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PRODUCT CATALOGUE

www.cabac.com.au | www.cabac.co.nz | Volume 18

SALES

AUSTRALIA

T: AUSTRALIA 133 122
T: INTERNATIONAL +612 9678 5055
F: AUSTRALIA 1300 303 310
E: sales@cabac.com.au
www.cabac.com.au

ACCOUNTS & ADMINISTRATION:

T (+61) 2 9678 5000
E: accounts@cabac.com.au

FIJI

AUTOCRAT LIMITED
PO BOX 3938
SAMABULA, SUVA, FIJI
T: 679 995 4482
E: vivekanand@connect.com.fj

PAPUA NEW GUINEA

BRIAN BELL TRADE ELECTRICAL
PORT MORESBY BRANCH
SECTION 61, LOT 4&5
MUNAHU STREET, GORDONS
P: +675 3255300

LAE AIRCORPS ROAD
T: +675 4721933

MT. HAGEN PARAKA PLACE
T: +675 5423073

KIMBE MOROKEA
T: +675 9834206

RABAUL KOKOPO TOKUA ROAD
TAKUBAR INDUSTRIAL ESTATE
T: +675 9829154

OUR MAJOR WAREHOUSES

NEW SOUTH WALES:

8 DISTRIBUTION PLACE
SEVEN HILLS NSW 2147

NEW ZEALAND

7B CARMONT PLACE
MOUNT WELLINGTON
AUCKLAND 1061
NEW ZEALAND
T: +64 800 776 969
E: sales@cabac.co.nz

VICTORIA:

BUILDING 9, 621 WHITEHORSE ROAD
MITCHAM VIC 3132

QUEENSLAND:

14 JOSEPHINE STREET
LOGANHOLME QLD 4129

SOUTH AUSTRALIA:

1 BUTLER DRIVE
HENDON SA 5014

WESTERN AUSTRALIA:

6B HUNT STREET
MALAGA WA 6090

NORTHERN NSW

NICK WEBB AGENCIES
UNIT 5/21 BABILLA CLOSE
BERESFIELD NSW 2322
T: 02 4966 8699
E: info@nickwebbagencies.com.au

TASMANIA:

CABLES PLUS TAS
46 WELLINGTON STREET
BURNIE TAS 7320
T: 03 643 18660
E: sales@cableplustas.com.au
www.cablesplustas.com.au

SYDNEY



ADELAIDE



MELBOURNE



AUCKLAND



BRISBANE



PERTH



OUR CUSTOMERS COME FIRST

Since 1982 CABAC has been a benchmark for service, range and quality.

'One Call, One Day, One Delivery' is our expression of our commitment to our customers that is based on a range of investments that we make in putting our customers first;

LOCAL SUPPLY TO YOU

From one of our Six Principal warehouses and two regional warehouses across Australia and New Zealand with stocking agents across Fiji and Papua New Guinea.

LOCAL REPRESENTATION

We have over 80 sales professionals who provide prompt local support to our customers; on-site, instore, online or by telephone.

TECHNICAL EXPERTISE

15 qualified engineers and product experts provide technical support and advice.

LOCAL ENGINEERING AND MANUFACTURE

We operate manufacture facilities in Sydney for Electrical connectors, Melbourne for hydraulic tools and Adelaide for electronics and lighting control.

Our industry is rapidly evolving. We have responded to new fibre optic data and telecommunications technologies demand by adding a make to order fibre cable facility in Melbourne.

DEEP STOCK HOLDING

We carry over \$30 million worth of stock to provide same day availability.

COMPREHENSIVE PRODUCT RANGE

Our current available range is over 40,000 product lines providing our customers a one stop shop.

PROVEN PRODUCTS CERTIFIED TO STANDARD

We operate four world class test labs to prove our products meet the relevant Australian and New Zealand standards.

RESEARCH AND DEVELOPMENT OF NEW PRODUCT RANGES

We are constantly working to research market needs and develop new quality products that will meet relevant standards.

ONLINE SYSTEMS

We have provided our customers state of the art webshops and smartphone apps to provide 24/7 access to our latest catalogue range with stocking levels, data sheets, technical features, test certificates, videos, your own personal price book and you can load RFQ's, orders and track your deliveries.





WORLD CLASS PRODUCT TEST LABS

We have four world class test laboratories; one NATA laboratory based at our head office in Adelaide, South Australia, one NATA Calibration laboratory in Sydney, New South Wales and a high voltage test facility in Sydney and a NATA instrument calibration and repair facility located in Melbourne, Victoria.

These in-house and NATA accredited test labs allow us to both develop and assure the ongoing quality of our entire product range, and provide a range of accredited calibration, maintenance and repair services.

Our group has adopted a proven ISO9001 product development methodology that includes input from our entire group's capabilities including semiconductor, electronic, electrical, gas, data and mechanical engineering.

Our level of quality in product development, production, and calibration has been recognised and endorsed by major customers throughout Australia, Europe, the USA and across the Asia Pacific region.

COMMITMENT TO THE HIGHEST STANDARDS

- Quality accreditation to ISO17025 and ISO9001 is our guarantee of performance in all operational and product areas.

CONFIDENTIAL TEST DOCUMENTATION

- On completion of any client tests, reports are compiled containing full details regarding the test procedure, test results and a compliance result for the standard being applied.

Test data is maintained in secure site servers and in the strictest confidence.

OUR NATA ACCREDITED LABORATORIES

- Are NATA accredited to ISO17025, and 3rd party certified to ISO9001, and apply to an extensive range of quality, life and assurance testing, and calibration of electronic, data, electrical and high power rated components and assemblies.

OUR POWER SAFETY LABORATORY

- operates under an ISO 9001 and ISO17025 system to type test and routine test high voltage electrical safety gloves and mats.

TESTING SERVICES AVAILABLE

LEGEND TEST LABORATORIES OFFER THE FOLLOWING SERVICES:

- Electrical testing
- Mechanical and tensile testing between 50kN and 500kN
- Water Penetration Testing
- Hardness Measurement
- Environmental testing
- Heat Cycle testing

- Temperature cycling / measurement
- High voltage (AC and DC) testing
- Insulation resistance
- Plating thickness measurement
- PCB Bed of nails fixturing with automated by DC parametric testing
- Life cycle tests for product, components and sub-assemblies
- QA batch sampling testing and static analysis
- Stress testing for electronics components and sub assemblies

CELEMETRIX TEST LABORATORIES OFFER THE FOLLOWING CALIBRATION SERVICES:

- Optical testers
- Cable and transmission testers
- Pressure and vacuum
- Force and torque
- Analytical devices
- Dimensional
- RF Measurement - up to 26.5GHz
- Electrical testers
- Fluke networks - copper and fibre cable testers
- Scales, balances and masses
- Temperature and humidity
- Light, video and sound



LOCAL ENGINEERING SOLUTIONS

Our Engineering team will design and manufacture to our clients unique requirements.

Compliant with ISO9001 and ISO/IEC 17025:2005 standards, our engineering capabilities include semiconductor, electronic, electrical and mechanical engineers who utilise the latest modelling software, CAD/CAM design and prototyping facilities.

CABAC has delivered a consistent series of patented and design registered solutions in electrical connectivity, power systems distribution platforms, power line components and lighting control solutions.

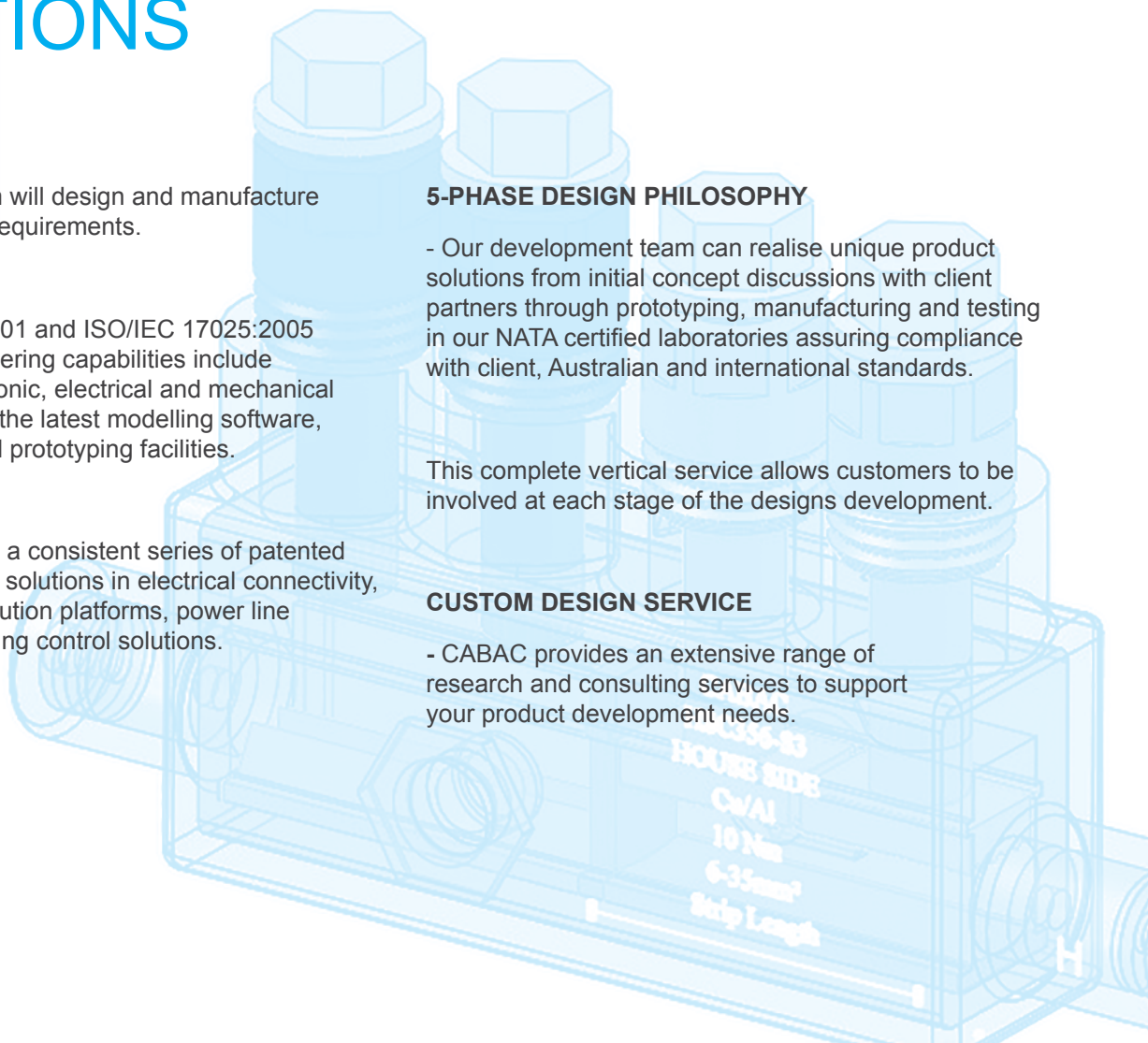
5-PHASE DESIGN PHILOSOPHY

- Our development team can realise unique product solutions from initial concept discussions with client partners through prototyping, manufacturing and testing in our NATA certified laboratories assuring compliance with client, Australian and international standards.

This complete vertical service allows customers to be involved at each stage of the designs development.

CUSTOM DESIGN SERVICE

- CABAC provides an extensive range of research and consulting services to support your product development needs.



CUSTOM MANUFACTURED FOR YOU

IF WE DON'T HAVE IT, WE'LL MAKE IT FOR YOU!

Working closely with our Group Design Department our highly experienced production staff will manufacture the initial design concept to meet your specific design and technical requirements. This may involve several prototype/design iterations that test practical aspects of the design and allow the client to conduct field testing of the product.

Once tested and approved in our Nata accredited laboratories, the design will be manufactured by the same production team that created the initial design prototypes. The supply management team will schedule ongoing manufacture of the product to meet your delivery demands.

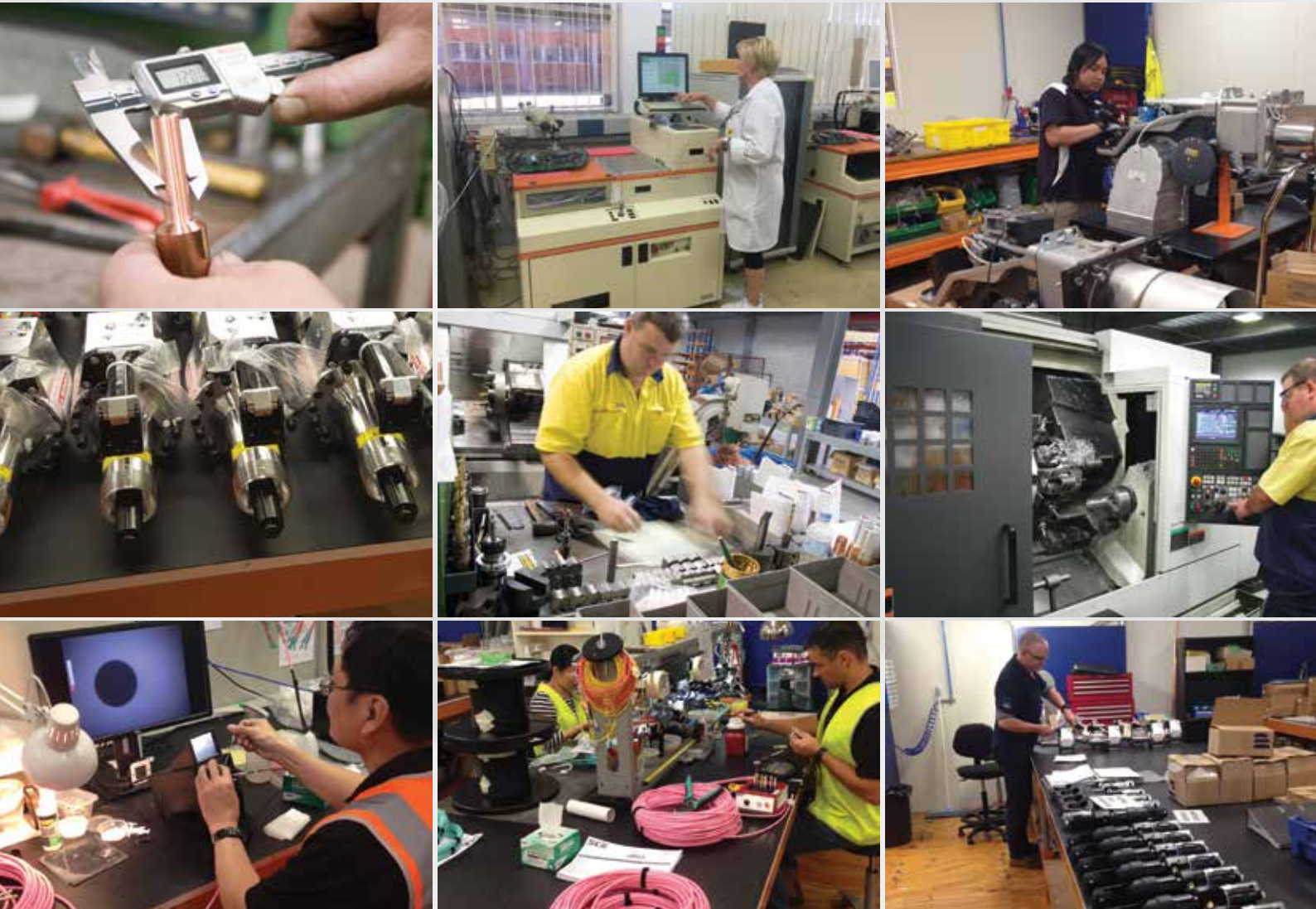
Our manufacturing facilities combine advanced CAD/CAM design and CNC machining for quick

and precise manufacture. We currently run a range of 5-axis numerically controlled NC lathes for producing copper, aluminium and bi-metal lugs, links and connectors to customer specifications.

Our manufacturing team have manufactured a wide range of products from as simple as, additional holes to existing lugs, through to more complex bi-metal lug barrel configurations.

SPECIAL MANUFACTURE ORDER FORM

- If you have a specific design requirement please use our special manufacture order forms located on pages A17 - A20 of this catalogue and fax them back to our customer care centre who will organise for our Sales representative to discuss your requirements.



WE MAKE THE TOOLS AND WE REPAIR THEM TOO

BRING YOUR TOOLS TO THE EXPERTS!



WE WILL SERVICE AND CALIBRATE YOUR
TEST AND MEASUREMENT EQUIPMENT



CONTACT CUSTOMER SERVICE OR YOUR
ACCOUNT MANAGER TO ARRANGE.

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Lugs, Links, Connectors and Terminals

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Crimping Methods “Compaction Ratios”

Crimping a lug onto a cable is the most common system used around the world to connect a cable to electrical equipment, even though it was developed many decades ago.

THERE ARE TWO BASIC CRIMP TYPES:



Copper Stranded Conductor Hex Crimp

HEXAGONAL - A hexagonal shaped die is compressed around the lug to form a uniform hex shaped crimp.



Aluminium Solid Sector Conductor Indent Crimp

INDENT – The dies are in two sections, a base and an indenter or shaft shape. The indenter is driven into the barrel and the conductor forming a dimple (indent) as the components are reformed by the dies.

In Australia and New Zealand, the most commonly used methods are indent for small lugs and hexagonal for large lugs. Indent methods are also used for solid sector aluminium conductor.

The cross sectional areas are critical for correct hexagonal crimping. A hexagonal die reduces the original cross sectional area by about 10%. This is called **the compaction ratio**. For example a 185mm² cable using a lug with a cross sectional area of 200mm² has a combined cross section 385mm².

Crimping (compressing) this combined cross section in a hexagonal die reduces the cross section by approximately 10%, that is around 346mm².

The wall thickness or the lug's barrel represents its cross section and the cross sections of the die and lug must match. Manufacturers around the world define their own wall thickness and dimensions therefore they are not universal. Some countries and regions have standard dimensions and tooling, which is interchangeable for those dimensions.

In Australia and New Zealand, competent suppliers comply to Australian/New Zealand standards and offer lugs with the same barrel size and wall thickness. Australian/New Zealand tooling can be interchangeable, but the A/F size must be correct to ensure proper compaction. Some imported brands may not be suitable as the dimensions are not standard. A connector that has a thinner wall, that is crimped with an Australian dimensioned die, will not be compacted to the standard specified, resulting in a lug with little compaction.

The result is failure due to heat caused by the high resistance in the connection. Most electricians have witnessed failures and are aware that they can be costly. For example expensive switchgear and enclosures may be irreparably damaged in addition to the danger, cost and inconvenience. Legal ramifications may result where the remedy could have been easy by simply checking dimensions of each termination prior to energizing.

THE RIGHT LUG, THE RIGHT TOOL FOR THE RIGHT CONNECTION.

EXAMPLES OF CRIMPING

UNDER CRIMPED



GOOD CRIMP



OVER CRIMPED



Most contractors and wholesalers with hexagonal crimping tools and dies will comply with the “Australian/New Zealand dimension”. The resultant crimp should have sharp corners, and can be checked with vernier callipers after crimping to ensure the across the flat hex dimension (A/F) is correct. The A/F can be cross referenced in the CABAC catalogue according to each individual crimp connector.

Minor winging may occur especially with fine strand conductors. This can be addressed by removing the burrs and any sharp edges with fine grit sandpaper. In medium and high voltage networks it is advisable to dress links and lugs in this way. Substantial winging indicates the die is too small for the conductor and the lug. CABAC Laboratories can assist and recommend a solution if advised of the conductor dimensions and stranding.

Another useful in-service maintenance procedure is to record a thermal image of terminations at regular periods to determine if they are operating at acceptable temperatures compared to the load.

Thermal imaging can give timely warning of impending failure, and the fault can be corrected before it becomes costly and dangerous. Regular thermal imaging checks are recommended as a predictive & preventive maintenance procedure.

Suppliers such as CABAC test their product to AS4325, which is an accelerated ageing test of crimped connections using heat cycling. The connections are subjected to cycles of high current, heating the conductors to approximately 140°C to 200°C, then holding and cooling it repetitively. This is repeated about a 1000 times and the test takes around 3 months working 24 hours a day.

If you would like further information on compaction ratios and calculations please feel free to contact National Sales team.

Guide to Crimping Fine Stranded Conductor

CABAC recommends that where possible the normal lug and die format is used, and there is NO necessity to use a different lug or die if the conductor strands will fit into the lug. CABAC laboratory has tested the resultant crimp and test certificates can be issued on request.

The most important point to remember is that with fine strands more force than normal is required to complete the crimp. Fine stranded cables have differing numbers of strands from different manufacturers, and the lay of those strands also differs from a “rope lay” to “flat lay” making it difficult to predict whether a conductor will fit in a lug. Generally use bell mouth lugs when crimping fine strand cable as this will assist when inserting the conductor into the barrel.

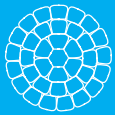
Common Types of Electrical Cable and Conductors

Each type of conductor may require connectors to suit from standard to custom manufactured lugs and links with a variety of application.



Stranded Conductor

The most common type of conductor used is standard stranded conductor with strands from seven to one hundred and twenty seven strands of varying diameter depending on the required cross section. Hard drawn copper conductors are stranded and commonly used for overhead lines and underground earthing.



Compact Conductor

Cable manufacturers compact the conductor strands to reduce the overall conductor diameter so that they can use less material for insulation, outer sheaths and fillers.



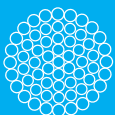
Solid Sector

Solid sector is common in aluminium cable for use in power distribution. Cable manufacturers reduce material and overall cable diameter by arranging the conductors to fit together.



Stranded Sector

Stranded sector cable is common in four and three core distribution cables. Cable manufacturers reduce material and overall cable diameter by arranging the conductors to fit together.



Fine stranded cable

Fine stranded cable is commonly used where flexibility is required. Strands can number from seven to many thousands of strands depending on the cross section required. The strands have small diameters, but the overall conductor diameter will be larger than standard strand conductors. The strands splay outward when the insulation is removed and it is difficult to insert them into a lug or link barrel.



ACSR

There are various types of overhead line conductors with ACSR (aluminium conductor steel reinforced) being one type. The steel strands in ACSR increase the conductor's tensile strength. Other overhead conductors are AAC (All Aluminium Conductor), AAAC (All Aluminium Alloy Conductor), SC/GZ (Steel conductor/ galvanised) and SC/AC (steel conductor/ aluminium clad)

The following sequence below may assist in selecting the correct lug.

CABLE RANGE: 1.5, 2.5, 4, 6, 10, 16

Small cables approximately 16mm² and less: in this case simply use a normal lug since the stranded conductor fits, and crimp normally.

CABLE RANGE: 25, 35, 50, 70, 95, 120, 150, (185, 240)

Mid range cables approximately 25mm² to the 185 to 240mm² range: in this case use a standard bell mouth lug for that cable size. At the cut end, the conductors splay out more and the conductors get relatively larger in diameter.

Defining the point at which a conductor will not fit into a lug can only be done by actual trial, but in general it is in the 185 to 240mm² area. Crimp the normal way using normal tooling, however using a 13 tonne HT131-C tool to 120mm² and an ECW-H3D (23 tonne) tool for 150mm² and above.

CABLE RANGE: 185, 240, 300, 400, 500, 630, 1000

Large fine stranded cables from approximately 185 to 240mm² and above: where the conductor will not fit into the lug, we recommend using a lug one size up. To crimp these there are two acceptable methods.

HALF AND HALF

First crimp the lug with its normal die, and then re-crimp the lug with half a lug size die and half a cable size die. Use an ECW-H3D tool and make sure that the dies close. A 12/13 tonne tool will not produce enough force to achieve a good crimp. To achieve the minimum resistance, the full length of the barrel should be crimped, and match and line up the dies on previous crimps for the best results.

To explain in easier terms, say I have a 240mm² conductor that will not fit into a 240mm² bell mouth lug, I then use a 300mm² lug (CAL300). I then crimp the entire lug with a 300mm² die, and then replace one half of dies with a 240mm² die and re-crimp the lug.

CUSTOM DIE TO SUIT

CABAC can calculate the required across the flat measurement (AF) and recommend an alternative die.

If you have any reservations or require assistance, please contact your CABAC sales representative or CABAC laboratory. CABAC can confirm or suggest an alternative lug or die to suit your specific conductor.

ARE YOUR LUGS CERTIFIED TO AUSTRALIAN AND NEW ZEALAND STANDARDS?

If the answer is no...

You are putting lives and property at risk by using a non-certified, inferior lug, link or connector. The Australian and New Zealand Standard and specifications for lugs, links and connectors are unique compared to the rest of the world.

Don't get caught out by false statements claiming products are compliant – demand a valid test certificate and look for a clear, distinctive brand name on the product.

For your protection, only use CABAC branded lugs, links or connectors and rest easy knowing CABAC lugs, links and connectors are designed, manufactured and certified to Australian and New Zealand Standards. Certification testing is conducted in an independently accredited NATA Test Laboratory.

Play it safe, insist on CABAC branded certified lugs, links and connectors.
Visit www.cabac.com.au/certifiedlugs for more information.



Certified?

Always look for the CABAC icon and testing certificate



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The Termination of Compacted, Semi-compacted and Non-compacted Conductor with Compression Connectors.

CABAC lugs/links are designed and manufactured to the requirements of the applicable Australian Standards AS/NZS 4325.1 or AS 1154.1, whether they are manufactured in Australia or Internationally and applies to products manufactured or modified in CABAC's Manufacturing division. This includes, but is not limited to, all Copper, Aluminium and Bi-metallic compression connectors.

CABAC compression connectors are suitable for the various types of conductor stranding used by the cable manufacturers. This includes non-compacted, semi-compacted and fully-compacted strands. The correct connector size is determined only by matching the connector's recommended cross-sectional area with that of the conductor.

The degree of compaction of the conductor strands has no influence on the connector size. Semi-compacted or fully-compacted variants of conductor will display a loose fit when inserted into the barrel of the correctly sized connector. We do not advise or recommend downsizing the connector as this may result in premature failure of the termination or joint. Downsizing the lug will downsize the conductor rating and this will void any warranties associated with the product used.

For any further information, contact CABAC Laboratories.



The Right Lug The Right Tool for The Right Connection

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LUG & CABLE GUIDE

This guide will assist you when selecting the right Cabac Product using the option menu.
To use this Lugs and Cable Guide, please click on the drop arrows and select your options, then click on the 'Show Button.'
You will be presented with an option table of reference part numbers which are available in the Cabac Product Range.
Further details can be obtained by simply clicking on the highlighted part numbers.

PLEASE SELECT FROM THE FOLLOWING:

1 **Cable Type**: All Cable Type | **Cable Dimension**: 120MM | **Nylon Gland**: All Nylon Gland | **Metal Gland**: All Metal Gland | **Cable Lug**: All Cable Lug

2 **SHOW** CLEAR

3 **Query Results:**

CABLE TYPE	CABLE DIMENSION	NYLON GLAND	METAL GLAND	CABLE LUG	DIE SIZE	CRIMP TOOL	EMC GLAND	CRIMP & DIE	SHROUD SIZE	EARTH TAGS	HEAT SHRINK	METAL LOCK NUTS	JOINING KITS	CABLE STRIPPER
3C +ECC PVC / PVC	120MM		A2-50	CAL120-1Q	K06				SH5	ET50	XLPS1BK	LNM50	GTA6	
3C +ECC XLPE	120MM	GN63	GU63	CAL120-1Q	K06				SH5	ET63	XLPS1BK	LNM63	GTA5	
3C +ECC XLPE	120MM	GN63	A2-50	CAL120-1Q	K06				SH5	ET63	XLPS1BK	LNM63	GTA6	
3C +ECC XLPE	120MM	GN63	GU63	CAL120-1Q	K06				SH6	ET50	XLPS1BK	LNM63	GTA6	
3C +ECC XLPE	120MM	GN63	A2-50	CAL120-1Q	K06				SH5	ET50	XLPS1BK	LNM63	GTA5	
3C +ECC XLPE	120MM	GN63	GU63	CAL120-1Q	K06				SH5	ET63	XLPS1BK	LNM50	GTA5	
3C +ECC XLPE	120MM	GN63	A2-50	CAL120-1Q	K06				SH5	ET63	XLPS1BK	LNM50	GTA6	
3C +ECC XLPE	120MM	GN63	GU63	CAL120-1Q	K06				SH5	ET50	XLPS1BK	LNM50	GTA6	
3C +ECC XLPE	120MM	GN63	A2-50	CAL120-1Q	K06				SH5	ET50	XLPS1BK	LNM50	GTA6	
3C +ECC XLPE CIRC	120MM	GN63	GU63	CAL120-1Q	K06				SH5	ET63	XLPS1BK	LNM63	GTA6	
3C +ECC XLPE CIRC	120MM	GN63	GU63	CAL120-1Q	K06				SH5	ET50	XLPS1BK	LNM63	GTA6	
3C +ECC	120MM	GN63	A2-50	CAL120-1Q	K06				SH5	ET50	XLPS1BK	LNM50	GTA6	



THREE EASY STEPS:

1. Select your desired options
2. Press show
3. Get the results!

Visit cabac.com.au to use our online lugs & cable guide today!

Link Details - Special Manufacture Order Form

Order Number: _____

Part Number: _____

Date: _____

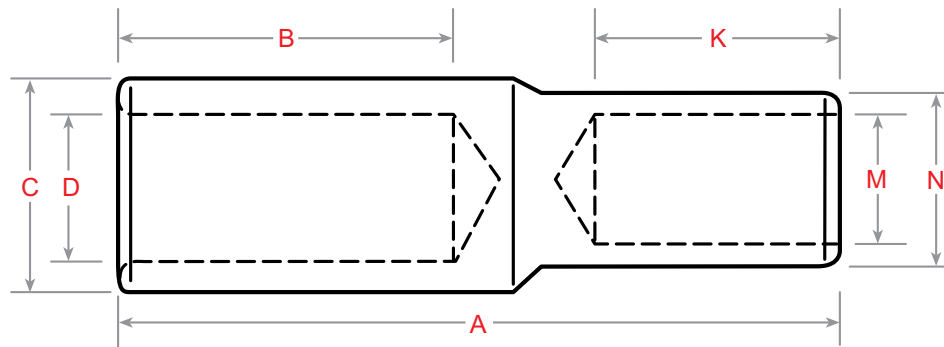
Customer Contact: _____

CABAC Contact: _____

Company:
Contact:
Phone:
Fax:

Name:
Phone:
Fax:
Mobile:

Date Delivery Required: _____ Qty Required: _____



CONDUCTORS

	Large End	Small End
Material	AL/CU	AL/CU
Area (mm ²)
Stranding
Section:		
Round	<input type="checkbox"/>	<input type="checkbox"/>
Sector 3	<input type="checkbox"/>	<input type="checkbox"/>
Sector 4	<input type="checkbox"/>	<input type="checkbox"/>
Quadrant	<input type="checkbox"/>	<input type="checkbox"/>
Type:		
Solid	<input type="checkbox"/>	<input type="checkbox"/>
Stranded	<input type="checkbox"/>	<input type="checkbox"/>
Flexible	<input type="checkbox"/>	<input type="checkbox"/>
Compacted	<input type="checkbox"/>	<input type="checkbox"/>

REQUIRED DIMENSIONS

A: _____ B: _____
 C: _____ D: _____
 K: _____ M: _____
 N: _____

Extra information or special requirements:

SPECIALLY MANUFACTURED GOODS ARE NOT RETURNABLE FOR CREDIT

Customer Approval: _____ Date: _____

**FAX THIS FORM BACK TO CABAC MANUFACTURING
 FAX: 1300 303 310**

Lug Details - Special Manufacture Order Form

Order Number: _____

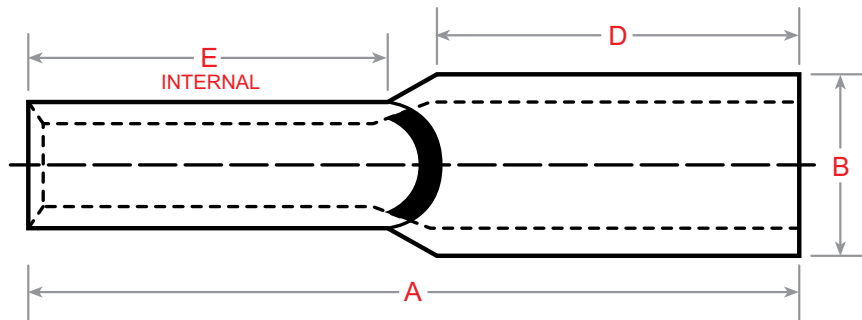
Part Number: _____ Date: _____

Customer Contact: _____ CABAC Contact: _____

Company:
Contact:
Phone:
Fax:

Name:
Phone:
Fax:
Mobile:

Date Delivery Required: _____ Qty Required: _____



CONDUCTORS

Material AL/CU
 Area (mm²)
 Stranding
 Type:
 Solid
 Stranded
 Flexible
 Compacted

REQUIRED DIMENSIONS

A: _____ B: _____
 D: _____ E: _____

Extra information or special requirements: _____

Number of Stud Holes: _____

Hole Diameter: _____ Stud Diameter: _____

1st Hole Centre From End: _____

2nd Hole Centre From End: _____

SPECIALLY MANUFACTURED GOODS ARE NOT RETURNABLE FOR CREDIT

Customer Approval: _____ Date: _____

**FAX THIS FORM BACK TO CABAC MANUFACTURING
 FAX: 1300 303 310**

Stalk Details - Special Manufacture Order Form

Order Number: _____

Part Number: _____

Date: _____

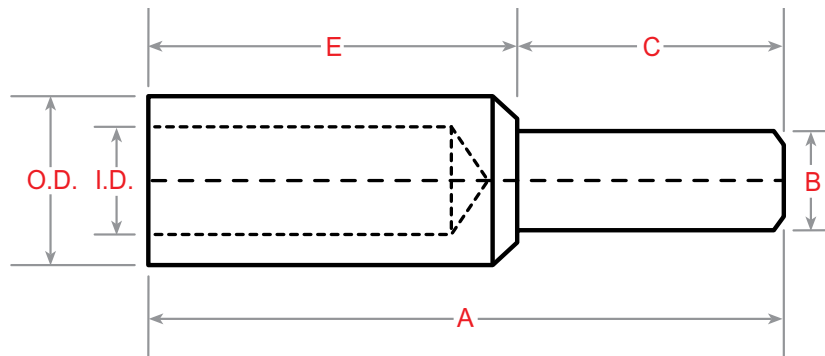
Customer Contact: _____

CABAC Contact: _____

Company:
Contact:
Phone:
Fax:

Name:
Phone:
Fax:
Mobile:

Date Delivery Required: _____	Qty Required: _____
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CONDUCTORS

Material	AL/CU
Area (mm ²)
Stranding
Section:	
Round	<input type="checkbox"/>
Sector 3	<input type="checkbox"/>
Sector 4	<input type="checkbox"/>
Quadrant	<input type="checkbox"/>
Type:	
Solid	<input type="checkbox"/>
Stranded	<input type="checkbox"/>
Flexible	<input type="checkbox"/>
Compacted	<input type="checkbox"/>

REQUIRED DIMENSIONS

A:	_____	B:	_____
C:	_____	E:	_____
I.D.:	_____	O.D.:	_____
Extra information or special requirements:			

SPECIALLY MANUFACTURED GOODS ARE NOT RETURNABLE FOR CREDIT

Customer Approval: _____ Date: _____

**FAX THIS FORM BACK TO CABAC MANUFACTURING
FAX: 1300 303 310**

Cable Cross Sections

METRIC AND IMPERIAL

Annealed Aluminium and Copper Stranded Conductors

Nominal Cross-Sectional Area (mm ²)	METRIC		Nominal Cross-Sectional Area (mm ²)	IMPERIAL		Nominal Cross-Sectional Area (in ²)	Nominal Diameter of Conductor (mm)
	Number and Nominal Diameter of Wires (mm)	Nominal Diameter of Conductor (mm)		Number and Nominal Diameter of Wires			
				(in)	(mm)		
1	1/1.13	1.13	.97	1/.044	1/1.12	.0015	1.12
-	-	-	1.25	3/.029	3/.737	.0019	1.59
1.5	1/1.38	1.38	-	-	-	-	-
-	-	-	1.93	3/.036	3/.914	.003	1.97
2.5	7/0.67	2.01	-	-	-	-	-
-	-	-	2.93	7/.029	7/.737	.0045	2.21
4	7/0.85	2.55	-	-	-	-	-
-	-	-	4.52	7/.036	7/.914	.007	2.74
6	7/1.04	3.12	-	-	-	-	-
-	-	-	6.75	7/.044	7/1.12	.010	3.35
-	-	-	9.43	7/.052	7/1.32	.0146	3.96
10	7/1.35	4.05	-	-	-	-	-
-	-	-	14.28	7/.064	7/1.63	.0225	4.88
16	7/1.70	5.10	-	-	-	-	-
-	-	-	18.29	19/.044	19/1.12	.03	5.59
25	7/2.14	6.75	25.5	19/.052	19/1.32	.04	6.60
35	19/1.53	7.65	-	-	-	-	-
-	-	-	38.7	19/.064	19/1.63	.06	8.13
50	19/1.78	8.90	-	-	-	-	-
-	-	-	65.1	19/.083	19/2.11	.10	10.5
70	19/2.14	10.70	-	-	-	-	-
-	-	-	75.3	37/.064	37/1.63	.12	11.4
95	19/2.52	12.60	95.3	37/.072	37/1.83	.15	12.8
120	37/2.03	14.21	126.7	37/.083	37/2.11	.20	14.8
150	37/2.25	15.75	-	-	-	-	-
-	-	-	159.1	37/.093	37/2.36	.25	16.5
185	37/2.52	17.64	-	-	-	-	-
-	-	-	195.1	37/.103	37/2.62	.30	18.3
240	61/2.25	20.25	-	-	-	-	-
-	-	-	262.2	61/.093	61/2.36	.40	21.3
300	61/2.52	22.68	-	-	-	-	-
-	-	-	321.6	61/.103	61/2.62	.50	23.5
-	-	-	391.1	91/.093	91/2.36	.60	26.0
400	61/2.85	25.65	-	-	-	-	-
-	-	-	479.7	91/.103	91/2.62	.75	28.8
500	61/3.20	28.80	-	-	-	-	-
630	127/2.52	32.76	-	-	-	-	-
-	-	-	669.4	127/.103	127/2.62	1.00	34.0
800	127/2.85	37.05	800.0	127/.112	127/2.84	1.24	36.92
1000	127/3.20	41.60	1000.0	127/.125	127/3.18	1.50	41.34

Cable Dimension Table

METRIC CABLES

Cable Stranding and Outside Diameter

Cross-Section Area (mm ²)	Stranding No./Wire (Dia.)	OD of Conductor	Stranding Nearest Imperial No./Wire (Dia.)	Stranding Nearest AWG	OD of PVC Single Core Cable	OD of PVC Ins. Single Core Sheathed	OD of Single Core XLPE/PVC	Two Single	Two Core + Earth 0.6/1kV	Three Core + Earth 0.6/1kV	Four Core + Earth 0.6/1kV
1	1/1.13 7/0.40	1.13 1.20	1/.044	18	2.8	4.0		10.0			
1.5	1/1.38 7/0.50	1.38 1.50	3/.029 1/.064	16	3.1	4.4		10.5	8.4	7.2	10.0
2.5	7/0.67	2.01	3/.036 7/.029	14	3.6	5.1		11.8	7.8	11.1	12.0
4	7/0.85	2.55	7/.036	12	4.5	6.0		13.4	11.4	15.1	18.8
6	7/1.04	3.12	7/.044	9	5.1	6.6		14.6	12.4	16.2	15.0
10	7/1.35	4.05	7/.052	7	6.0	7.8		16.5	16.1	17.5	19.2
16	7/1.70	5.10	7/.064 19/.044	5	6.9	6.4	9.3	18.7	18.0	19.6	21.5
25	19/1.35	6.75	19/.052	3	8.4	11.1	10.5	22.8	20.6	22.2	24.5
35	19/1.53	7.65	19/.064	2	9.4	12.1	11.5		22.5	24.8	27.2
50	19/1.78	8.90	19/.072	1/0	10.9	13.7	12.7		25.6	28.4	31.2
70	19/2.14	10.70 37/.064	19/.083	2/0	12.4	15.3	14.7			32.0	35.8
95	37/1.78	12.46	37/.072	3/0	16.2	18.2	17.2			31.6	42.0
120	37/2.03	14.21	37/.083	250 MCM	17.3	20.4	17.6			42.4	47.5
150	37/2.25	15.75	37/.093	300 MCM	18.5	24.5	21.3			46.3	51.8
185	37/2.52	17.64	37/.103	350 MCM	21.1	26.5	23.5			51.7	57.9
240	61/2.25	20.25	61/.093	500 MCM	24.0	27.8	26.6			59.4	66.4
300	61/2.52	22.68	61/.103	600 MCM	26.9	30.8	24.4			66.2	74.5
400	61/2.85	25.65	91/.093	800 MCM	30.6	34.7	33.3				
500	61/3.20	28.80	91/.103 127/.093	1000 MCM	34.1	38.4	37.0				
630	127/2.52	32.76	127/.103	1200 MCM	37.8	42.2	41.4				

Note: PVC Building Wire
PVC SD1
XLPE/PVC

Please note: The dimensions featured above are based on Australian Standards, but they may vary, check with your manufacturer.

Overhead Conductor

CROSS REFERENCE CHART

Overhead Conductors															
AAC				AAAC (1120)				AAAC (6201A)				ACSR			
Code	Strand AL	O.D. (mm)	Area (mm ²)	Code	Strand AL	O.D. (mm)	Area (mm ²)	Code	Strand AL	O.D. (mm)	Area (mm ²)	Code Note 1	Stranding Al/Steel	O.D. (mm)	Area (mm ²)
Gemini	7/1.75	5.25	16.8	Argon	7/1.75	5.25	16.8	Agate	7/1.75	5.25	16.8	Quince	3/4/1.75	5.25	16.8
Jupiter	7/2.25	6.75	27.8	Boron	7/2.25	6.75	27.8	Amethyst	7/2.25	6.75	27.8				
Leo	7/2.50	7.50	34.4	Chlorine	7/2.50	7.50	34.4	Diamond	7/2.50	7.50	34.4	Almond	6/1/2.50	7.50	34.4
												Raisin	3/4/2.50	7.50	34.4
Leonids	7/2.75	8.25	41.6	Chromium	7/2.75	8.25	41.6	Dolomite	7/2.75	8.25	41.6				
Libra	7/3.00	9.00	49.5	Fluorine	7/3.00	9.00	49.5	Emerald	7/3.00	9.00	49.5	Apple	6/1/3.00	9.00	49.5
												Sultana	4/3/3.00	9.00	49.5
Mars	7/3.75	11.25	77.3	Helium	7/3.75	11.25	77.3	Garnet	7/3.75	11.25	77.3	Banana	6/1/3.75	11.25	77.3
												Walnut	4/3/3.75	11.25	77.3
Mercury	7/4.50	13.50	111.3	Hydrogen	7/4.50	13.50	111.3	Jade	7/4.50	13.50	111.3				
Moon	7/4.75	14.25	124.0	Iodine	7/4.75	14.25	124.0	Jasper	7/4.75	14.25	124.0				
												Cherry	6/4.75 + 7/1.60	14.30	120.4
Neptune	19/3.25	16.25	157.6	Krypton	19/3.25	16.25	157.6	Opal	19/3.25	16.25	157.6				
Orion	19/3.50	17.50	182.8	Lutetium	19/3.50	17.50	182.8	Patronite	19/3.50	17.50	182.8	Grape	30/7/2.50	17.50	181.6
Pluto	19/3.75	18.75	209.8	Neon	19/3.75	18.75	209.8	Pearl	19/3.75	18.75	209.8				
Saturn	37/3.00	21.00	261.5	Nitrogen	37/3.00	21.00	261.5	Ruby	37/3.00	21.00	261.5	Lemon	30/7/3.00	21.00	261.5
Sirius	37/3.25	22.75	306.9	Nobelium	37/3.25	22.75	306.9	Ruthenium	37/3.25	22.75	306.9				
Taurus	19/4.75	23.75	336.7	Oxygen	19/4.75	23.75	336.7	Rutile	19/4.75	23.75	336.7				
												Lime	30/7/3.50	24.50	356.0
Triton	37/3.75	26.25	408.6	Phosphorus	37/3.75	26.25	408.6	Sapphire	37/3.75	26.25	408.6				
												Mango	54/7/3.00	27.00	431.2
Uranus	61/3.25	29.25	506.4	Selenium	61/3.25	29.25	506.4	Spinel	61/3.25	29.25	506.4	Orange	54/7/3.25	29.25	506.4
Ursula	61/3.50	31.50	586.9	Silicon	61/3.50	31.50	586.9	Tantalum	61/3.50	31.50	586.9	Olive	54/7/3.50	31.50	586.9
Venus	61/3.75	33.75	673.7	Sulphur	61/3.75	33.75	673.7	Topaz	61/3.75	33.75	673.7	Pawpaw	54/3.75+ 19/2.25	33.75	672.0
												Peach	54/4.75+ 19/2.85	42.75	1078.0
Virgo	91/4.50	49.50	1447.0	Xenon	91/4.50	49.50	1447.0	Zircon	91/4.50	49.50	1447.0				

Overhead Conductor

CROSS REFERENCE CHART

Use of Standard CABAC Product

Bi-Metal Lug	Aluminium Lug	Aluminium Link	Bi-Metal Link	Bi-Metal Stalk	Aluminium Reducing	A/F Hex Die (mm)	Part No.
BL16	AL16	ALK16	BLK16/??	BS16/??	ALKR16/??	9.0	HT-6/35AL
BL25	AL25	ALK25	BLK25/??	BS25/??	ALKR25/??	9.0	HT-6/35AL
BL35	AL35	ALK35	BLK35/??	BS35/??	ALKR35/??	9.0	HT-6/35AL
BL35	AL35	ALK35	BLK35/??	BS35/??	ALKR35/??	9.0	HT-6/35AL
BL42	AL42	ALK42	BLK42/??	BS42/??	ALKR42/??	9.0	HT-50/70AL
BL50	AL50	ALK50	BLK50/??	BS50/??	ALKR50/??	13.2	HT-50/70AL
BL50	AL50	ALK50	BLK50/??	BS50/??	ALKR50/??	13.2	HT-50/70AL
BL77	AL77	ALK77	BLK77/??	BS77/??	ALKR77/??	13.2	HT-50/70AL
BL77	AL77	ALK77	BLK77/??	BS70/??	ALKR77/??	13.2	HT-50/70AL
BL120	AL120	ALK120	BLK120/??	BS120/??	ALKR120/??	17.3	HT-95/120AL
BL120	AL120	ALK120	BLK120/??	BS120/??	ALKR120/??	17.3	HT-95/120AL
BL120	AL120	ALK120	BLK120/??	BS120/??	ALKR120/??	17.3	HT-95/120AL
BL150	AL150	ALK150	BLK150/???	BS150/??	ALKR150/???	22.0	HT-150/185AL
BL185	AL185	ALK185	BLK185/???	BS185/??	ALKR185/???	22.0	HT-150/185AL
BL210	AL210	ALK210	BLK210/???	BS210/??	ALKR210/???	22.0	HT-150/185AL
BL262	AL262	ALK262	BLK262/???	BS262/??	ALKR262/???	28.4	HT-240/300AL
BL300	AL300	ALK300	BLK300/???	BS300/??	ALKR300/???	28.4	HT-240/300AL
BL337	AL337	ALK337	BLK337/???	BS337/??	ALKR337/???	28.4	HT-240/300AL
BL431	AL431	ALK431	BLK431/???	BS431/??	ALKR431/???	39.0	ECW-3D4/500AL
BL400	AL400	ALK400	BLK400/???	BS400/??	ALKR400/???	39.0	ECW-3D4/500AL
BL431	AL431	ALK431	BLK431/???	BS431/??	ALKR431/???	39.0	ECW-3D4/500AL
BL500	AL500	ALK500	BLK500/???	BS500/??	ALKR500/???	39.0	ECW-3D4/500AL
BL587	AL587	ALK587	BLK587/???	BS587/??	ALKR587/???	43.2	RHU520-800
BL674	AL674	ALK674	BLK674/???	BS674/??	ALKR674/???	43.2	RHU520-800
BL1078	AL1078	ALK1078	BLK1078/???	BS1078/??	ALKR1078/???	52.5	RHU520-1000AL

Please note: Digits depend on appropriate sizes. E.g. BS25/10 = Bi-Metal Stalk with 10 mm diameter for the stalk and 25mm² conductor.

Refer to drawings on page C4 & C5.

The “??” in the table above is the copper cable area in mm².

Aluminium Conductors

CROSS REFERENCE CHARTS

AAC - All Aluminium Conductors

Aust Standard - AS1531 Part 1

Code	Strands/ Wire Dia. (mm)	Overall Dia (Approx) (mm)	Calculated Equiv Alu Area (mm ²)	Sectional Area (mm ²)	Calculated Min Breaking Load kN	Approx Mass Per Km (kg)
Gemini	7/1.75	5.25	16.6	16.84	3.01	46.1
Jupiter	7/2.25	6.75	27.5	27.83	4.76	75.9
Leo	7/2.50	7.5	33.9	34.36	5.75	94.3
Libra	7/3.00	9.0	48.8	49.48	7.91	135
Mars	7/3.75	11.3	76.3	77.31	11.9	212
Mercury	7/4.50	13.5	110	111.3	16.8	305
Moon	7/4.75	14.3	122	124.0	18.8	340
Neptune	19/3.25	16.3	155	157.6	24.7	433
Pluto	19/3.75	18.8	206	209.8	32.3	578
Saturn	37/3.00	21.0	256	261.5	41.8	721
Taurus	19/4.75	23.8	331	336.7	50.9	926
Triton	37/3.75	26.3	400	408.7	62.9	1130
Uranus	61/3.25	29.3	493	506.0	75.2	1400
Venus	61/3.75	33.8	659	673.7	98.3	1860
Virgo	91/4.50	49.5	1410	1447	207	4010

AAAC - All Aluminium Alloy Conductors

Aust Standard - AS1531 Part 2

Code	Strands/ Wire Dia. (mm)	Overall Dia (Approx) (mm)	Calculated Equiv Alu Area (mm ²)	Sectional Area (mm ²)	Calculated Min Breaking Load kN	Approx Mass Per Km (kg)
Agate	7/1.75	5.25	14.3	16.84	4.71	46.1
Amethyst	7/2.25	6.75	23.7	27.83	7.78	75.9
Diamond	7/2.50	7.5	29.3	34.36	9.64	94.3
Emerald	7/3.00	9.0	42.1	49.48	13.9	135
Garnet	7/3.75	11.3	65.8	77.31	21.7	211
Jade	7/4.50	13.5	94.8	111.3	31.2	304
Jasper	7/4.75	14.3	106	124.0	34.8	339
Opal	19/3.25	16.3	134	157.6	44.2	433
Pearl	19/3.75	18.8	178	209.8	58.8	576
Ruby	37/3.00	21.0	221	261.5	73.5	721
Rutile	19/4.75	23.8	285	336.7	94.4	924
Sapphire	37/3.75	26.3	345	408.7	115	1120
Spinel	61/3.25	29.3	426	506.0	135	1400
Topaz	61/3.75	33.8	568	673.7	179	1860
Zircon	91/4.50	49.5	1220	1447	384	4000

ACSR/GZ - Aluminium Conductor (Galvanised) Steel Reinforced

Aust Standard - AS1220 Part 1

Code	Strands/ Wire Dia. (mm)	Overall Dia (Approx) (mm)	Calculated Equiv Alu Area (mm ²)	Sectional Area (mm ²)	Calculated Min Breaking Load kN	Approx Mass Per Km (kg)
Almond	6/1/2.50	7.5	29.0	34.36	10.5	119
Apple	6/1/3.00	9.0	41.8	49.48	14.9	171
Banana	6/1/3.75	11.3	65.2	77.31	22.8	268
Cherry	6/4.75 + 7/1.60	14.3	105	120.4	33.2	404
Grape	30/7/2.50	17.5	144	181.6	63.7	675
Lemon	30/7/3.00	21.0	207	261.5	90.1	973
Lime	30/7/3.50	24.5	282	356	121	1320
Mango	54/7/3.00	27.0	373	431.2	118	1440
Orange	54/7/3.25	29.3	438	506	137	1690
Olive	54/7/3.50	31.5	508	586.9	159	1960
Paw Paw	54/3.75 + 19/2.25	33.8	583	671.7	179	2250
Peach	54/4.75 + 19/2.85	42.8	936	1078	284	3600

EXTRA HIGH STRENGTH

Quince	3/4/1.75	5.25	8.77	16.84	12.7	95.9
Raisin	3/4/2.50	7.5	17.9	34.36	24.4	193
Sultana	4/3/3.00	9.0	31.6	49.48	28.3	242
Walnut	4/3/3.75	11.3	49.4	77.31	43.9	379

Aluminium Conductors

CROSS REFERENCE CHARTS

ACSR/AZ - Aluminium Conductor (Aluminised) Steel Reinforced

Aust Standard - AS1220 Part 2

Code	Strands/ Wire Dia. (mm)	Overall Dia (Approx) (mm)	Calculated Equiv Alu Area (mm ²)	Sectional Area (mm ²)	Calculated Min Breaking Load kN	Approx Mass Per Km (kg)
Barley	6/1/2.50	7.5	29.0	34.36	10.3	119
Bean	6/1/3.00	9.0	41.8	49.48	14.5	171
Cabbage	6/1/3.75	11.3	65.2	77.31	21.5	268
Carrot	6/4.75 + 7/1.60	14.3	105	120.4	31.9	404
Corn	30/7/2.50	17.5	144	181.6	61.6	675
Garlic	30/7/3.00	21.0	207	261.5	87.2	973
Millet	30/7/3.50	24.5	282	356	116	1320
Oats	54/7/3.00	27.0	373	431.2	115	1140
Onion	54/7/3.25	29.3	438	506	132	1690
Parsnip	54/7/3.50	31.5	508	586.9	153	1960
Potato	54/3.75 + 19/2.25	33.8	583	671.7	177	2250
Rice	54/4.75 + 19/2.85	42.8	936	1078	277	3600

ACSR/AC Aluminium Conductor (Aluminium Clad) Steel Reinforced

Aust Standard - AS1220 Part 3

Code	Strands/ Wire Dia. (mm)	Overall Dia (Approx) (mm)	Calculated Equiv Alu Area (mm ²)	Sectional Area (mm ²)	Calculated Min Breaking Load kN	Approx Mass Per Km (kg)
Angling	6/1/2.50	7.5	30.7	34.36	10.5	113
Archery	6/1/3.00	9.0	44.1	49.48	15	163
Baseball	6/1/3.75	11.3	68.9	77.31	22.4	255
Bowls	6/4.75 + 7/1.60	14.3	109	120.4	32.6	385
Cricket	30/7/2.50	17.5	155	181.6	64.6	635
Darts	30/7/3.00	21.0	224	261.5	91.3	913
Diving	30/7/3.50	24.5	305	356.0	121	1240
Golf	54/7/3.00	27.0	390	431.2	119	1380
Gymnastics	54/7/3.25	29.3	457	506.0	138	1620
Hurdles	54/7/3.50	31.5	530	586.9	159	1880
Lacrosse	54/3.75 + 19/2.25	33.8	608	671.7	181	2150
Rugby	54/4.75 + 19/2.85	42.8	976	1078	287	3450
EXTRA HIGH STRENGTH						
Skating	3/4/1.75	5.25	10.4	16.84	12.3	83.5
Soccer	3/4/2.50	7.5	21.2	34.36	24.9	170
Swimming	4/3/3.00	9.0	35.2	49.48	28.3	217
Tennis	4/3/3.75	11.3	54.9	77.31	42.8	339

ACSR Conductor Sizes

Code	METRIC		Code	IMPERIAL	
	Stranding	Conductor O.D. mm/inches		Stranding	Conductor O.D. inches
Almond	6/2.50 + 1/2.50	7.5 .295	Gopher	6/1/093	0.279
Apple	6/3.00 + 1/3.00	9.0 .354	Ferret	6/1/118	0.354
Banana	6/3.75 + 1/3.75	11.3 .445	Mink	6/1/144	0.432
Cherry	6/4.75 + 7/1.60	14.3 .563	Dog	6/186 + 7/062	0.558
Grape	30/2.50 + 7/2.50	17.5 .689	Wolf	30/7/102	0.714
Lemon	30/3.00 + 7/3.00	21.0 .827	Panther	30/7/118	0.826
Lime	30/3.50 + 7/3.50	24.5 .965	Bear	30/7/132	0.924
Mango	54/3.00 + 7/3.00	27.0 1.063	Bison	54/7/118	1.062
Orange	54/3.25 + 7/3.25	29.3 1.154	Brolga	54/7/129	1.162
Olive	54/3.50 + 7/3.50	31.5 1.240	Moose	54/7/139	1.251
Paw Paw	54/3.75 + 19/2.25	33.8 1.331	Finch	54/143 + 19/086	1.293

LUGS AND LINKS

Australian Standard Metric Conductors

CROSS REFERENCE CHARTS

SC/GZ Steel Conductor/Galvanised

Aust Standard - AS1222 Part 1

Strands/ Wire Dia. (mm)	Overall Dia (Approx) (mm)	Calculated Equiv Aluminium Area (mm ²)	Sectional Area (mm ²)	Calculated Min Breaking Load kN	Approx Mass Per Km (kg)
3/2.00	4.3	1.56	9.425	11.7	75.5
3/2.75	5.9	2.95	17.82	22.2	139
7/2.00	6.0	3.62	21.99	27.4	177
7/2.75	8.3	6.85	41.58	51.8	326
7/3.25	9.8	9.56	58.07	72.3	460
7/3.75	11.3	12.7	77.31	96.2	609
19/2.00	10.0	9.79	59.69	74.4	483
19/2.75	13.8	18.5	112.9	141.0	888
19/3.25	16.3	25.8	157.6	196.0	1250

SC/AC Steel Conductor/Aluminium Clad

Aust Standard - AS1222 Part 2

Strands/ Wire Dia. (mm)	Overall Dia (Approx) (mm)	Calculated Equiv Aluminium Area (mm ²)	Sectional Area (mm ²)	Calculated Min Breaking Load kN	Approx Mass Per Km (kg)
3/2.75	5.9	5.9	17.8	22.7	118.0
3/3.00	6.5	7.0	21.2	27.0	141.0
3/3.25	7.0	8.3	24.9	31.6	165.0
3/3.75	8.1	11.0	33.1	40.0	220.0
7/2.75	8.3	13.7	41.6	50.1	277.0
7/3.00	9.0	16.3	49.5	59.7	330.0
7/3.25	9.8	19.2	58.1	69.8	387.0
7/3.75	11.3	25.5	77.3	88.3	515.0
7/4.25	12.8	32.8	99.3	106.0	662.0
19/2.75	13.8	37.1	112.9	136.0	755.0
19/3.00	15.0	44.1	134.3	162.0	899.0
19/3.25	16.3	51.8	157.6	189.0	1060.0
19/3.75	18.8	68.9	209.8	240.0	1410.0
19/4.25	21.3	88.6	269.5	289.0	1800.0

Hard Drawn Copper Conductors

CROSS REFERENCE CHARTS

HDC - Hard Drawn Copper Conductor

Aust Standard - AS1746 1975

Strands/ Wire Dia. (mm)	Overall Dia (Approx) (mm)	Calculated Equiv Aluminium Area (mm ²)	Sectional Area (mm ²)	Calculated Min Breaking Load kN	Approx Mass Per Km (kg)
7/1.00	3.0	8.7	5.5	2.3	49.3
7/1.25	3.8	13.6	8.6	3.6	76.9
7/1.75	5.3	26.6	16.8	6.9	151.0
7/2.00	6.0	34.7	22.0	9.0	197.0
7/2.75	8.3	65.3	41.6	16.7	375.0
7/3.50	10.5	106.0	67.4	26.6	607.0
19/1.75	8.8	71.7	45.7	18.3	413.0
19/2.00	10.0	93.7	59.7	23.9	538.0
19/2.75	13.8	177.0	112.9	44.5	1020.0
19/3.00	15.0	211.0	134.3	52.8	1210.0
37/1.75	12.3	139.0	89.0	35.6	806.0
37/2.50	17.5	284.0	181.6	72.9	1640.0
37/2.75	19.3	344.0	219.8	86.6	1990.0
37/3.00	21.0	409.0	261.5	103.0	2370.0
61/2.75	24.8	566.0	362.3	143.0	3280.0

HDC - Stranded Hard Drawn Copper Conductor

Aust Standard - AS1746 1975

Code	METRIC Conductor O.D.		Code	IMPERIAL Conductor O.D.	
	mm	inches		mm	inches
7/1.00	3.0	0.118	7/0.036	2.7	0.108
7/1.25	3.8	0.148	7/0.048	3.7	0.144
7/1.75	5.3	0.207	7/0.064	4.9	0.192
7/2.00	6.0	0.236	7/0.080	6.1	0.240
7/2.75	8.3	0.325	19/0.064	8.1	0.320
7/3.50	10.5	0.345	7/0.118	9.0	0.354
19/1.75	8.8	0.394	7/0.136	10.3	0.408
19/2.00	10.0	0.413	19/0.083	10.5	0.415
19/2.75	13.8	0.484	37/0.072	12.8	0.504
19/3.00	15.0	0.541			
37/1.75	12.3	0.591	19/0.116	14.7	0.580
37/2.50	17.5	0.689	37/0.093	16.5	0.651
37/2.75	19.3	0.758	37/0.103	18.3	0.721
37/3.00	21.0	0.827	37/0.118	21.0	0.826
61/2.75	24.8	0.974	91/0.093	26.0	1.023

Tool & Die Selection Charts

STANDARD COPPER / BI-METAL / ALUMINIUM LUGS & LINKS

Conductor Size (mm ²)	Die A/F (mm)	Hand Crimpers	HYDRAULIC TOOLS - HEXAGONAL DIES					
			5 tonne	12 & 13 tonne	23 tonne	53 tonne	60 tonne	
			B500T, BT51	B1350-CT, B1350L-CT, B1350-UCT, B1300-CT, B1300L-CT, HT131-C, HT131LN-C, HT131-UC, RHU131-C, RHC131, RHC131L-N, CYO-510B, MSS-U130-M, MSS-C130-42.M, MSS-C130-42RH, MSS-LPHC-750-C, MSS-C130-42-18V, MSS-U230-18V	ECW-H3D MSS-RH23	RHU520	RHU600 MSS-RH60	
1.5	-							
2.5	-							
4	-							
6	4.4		M44-50	HT130-C-6				
10	5.7		M57-50	HT130-C-10				
16	6.3		M63-50	HT130-C-16				
25	7.7		M77-50	HT130-C-25				
35	9.2		M92-50	HT130-C-35				
50	10.4		M104-50	HT130-C-50				
70	11.5		M115-50	HT130-C-70				
95	14.2		M142-50	HT130-C-95				
120	16.5		M165-50	HT130-C-120				
150	18.3		M183-50	HT130-C-150				
185	20.0		M200-50	HT130-C-185				
240	23.1			HT130-C-240				
300	26.0			HT130-C-300				
400	28.1			MSS-C130-281CU				
500	31.0				ECW-H3D-400	RHU 520-400	MSS-RH60-400	
630	37.0				ECW-H3D-500	RHU 520-500	MSS-RH60-500	
800	43.2				ECW-H3D-630	RHU 520-630	MSS-RH60-630	
1000	48.0					RHU 520-800	MSS-RH60-800	
1200	48.0					RHU 520-1000	MSS-RH60-1000	
1600	58.5							

STANDARD ALUMINIUM AND BI-METAL

Conductor Size (mm ²)	Die A/F (mm)	HYDRAULIC TOOLS - HEXAGONAL DIES			
		12 and 13 tonne	23 tonne	53 tonne	60 tonne
		B1350-CT, B1350L-CT, B1350-UCT, B1300-CT, B1300L-CT, HT131-C, HT131LN-C, HT131-UC, RHU131-C, RHC131, RHC131L-N, CYO-510B, MSS-U130-M, MSS-C130-42.M, MSS-C130-42RH, MSS-LPHC-750-C, MSS-C130-42-18V, MSS-U230-18V	ECW-H3D MSS-RH23	RHU520	RHU600 MSS-RH60
1.5					
2.5					
4					
6	9.0	HT6/35AL			
10	9.0	HT6/35AL			
16	9.0	HT6/35AL			
25	9.0	HT6/35AL			
35	9.0	HT6/35AL			
50	13.2	HT50/70AL			
70	13.2	HT50/70AL			
95	17.3	HT95/120AL			
120	17.3	HT95/120AL			
150	22.0	HT150/185AL			
185	22.0	HT150/185AL			
240	28.4	HT240/300AL			
300	28.4	HT240/300AL			
400	39.0	MSS-C130-281CU			
500	39.0		ECW-3D4/500AL	RHU520-500AL	MSS-RH60-500AL
630	43.2		ECW-3D4/500AL	RHU520-500AL	MSS-RH60-500AL
800	43.2			RHU520-800	MSS-RH60-800
1000	52.5			RHU520-800	MSS-RH60-800
				RHU520-1000	MSS-RH60-1000AL

Tool & Die Selection Charts

OVERHEAD LINE & SECTOR CABLE

ALUMINIUM COMPRESSION SLEEVES FOR OVERHEAD CONDUCTORS

HYDRAULIC TOOLS - HEXAGONAL DIES

Conductor Stranding (No/Dia.)	Die A/F (mm)	5 tonne	12 and 13 tonne	23 tonne	53 tonne
		B500T, HT51	B1350-CT, B1350L-CT, B1350-UCT, B1300-CT, B1300L-CT, HT131-C, HT131LN-C, HT131-UC, RHU131-C, RHC131, RHC131L-N, CYO-510B, MSS-U130-M, MSS-C130-42.M, MSS-C130-42RH, MSS-LPHC-750-C, MSS-C130-42-18V, MSS-U230-18V	ECW-H3D MSS-RH23	RHU520
7 / 2.25	14.0	M140-50	HT-7/225AL	Use Adaptor ECW-H3D - AD and Standard 12 Tonne Dies	Use Adaptor RHU520 - AD and Standard 12 Tonne Dies
7 / 2.50	14.5		HT-7/250AL		
7 / 3.00	18.0		HT-7/300-375AL		
7 / 3.75	18.0		HT-7/300-375AL		
7 / 4.50	19.0	M190-50	HT-7/450AL		
7 / 4.74	22.0	M220-50	HT-150/185AL		
19 / 3.25	22.0	M220-50	HT-150/185AL		
19 / 3.75	26.2		HT-19/375AL		

COPPER COMPRESSION SLEEVES FOR OVERHEAD CONDUCTORS

HYDRAULIC TOOLS - HEXAGONAL DIES

Conductor Stranding (No/Dia.)	Die A/F (mm)	5 tonne	12 and 13 tonne	23 tonne	53 tonne
		B500T HT51	B131-C, B-131L-C, B135-C, B135-UC, HT131-C, HT131L-C, HT131-UC, RHU131-C, RHC131, CYO-510B	ECW-H3D MSS-RH22	RHU520
7/1.63	8.2	M82-50	HT-16PT	Use Adaptor ECW-H3D - AD and Standard 12 Tonne Dies	Use Adaptor RHU520 - AD and Standard 12 Tonne Dies
7/1.70	8.2	M82-50	HT-16PT		
7/2.00	9.6	M96-50	HT-25PT		
7/2.03	9.6	M96-50	HT-25PT		
7/2.62	11.5	M115-50	HT-35PT		
19/1.70	13.2	M132-50	HT-50PT		
19/2.00	14.8	M148-50	HT-70PT		
19/2.11	14.8	M148-50	HT-70PT		
19/2.56	19.0	M190-50	HT-95PT		

SECTOR ALUMINIUM INDENT CRIMP

Conductor Size (mm ²)	3 Core		4 Core	
	HYDRAULIC TOOLS 12 AND 13 TONNE			
	Nest	Indentor	Nest	Indentor
70	HT130-A12NEST	HT130-A14INDENT	HT130-A14NEST	HT130-A14INDENT
95	HT130-A12NEST	HT130-A15INDENT	HT130-A14NEST	HT130-A15INDENT
120	HT130-A12NEST	HT130-A16INDENT	HT130-A14NEST	HT130-A16INDENT
150	HT130-A12NEST	N/A	HT130-A15NEST	N/A
185	HT130-A12NEST	HT130-A18INDENT	HT130-A15NEST	HT130-A18INDENT
240	HT130-A12NEST	HT130-A19INDENT	HT130-A15NEST	HT130-A19INDENT
300	HT130-A12NEST	HT130-A20INDENT	HT130-A15NEST	HT130-A21INDENT

Braid Details - Special Manufacture

Order Number: _____

Part Number: _____

Date: _____

Customer Contact: _____

CABAC Contact: _____

Company: _____

Name: _____

Contact: _____

Phone: _____

Phone: _____

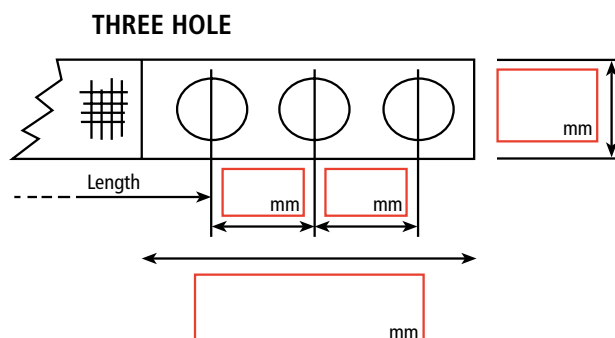
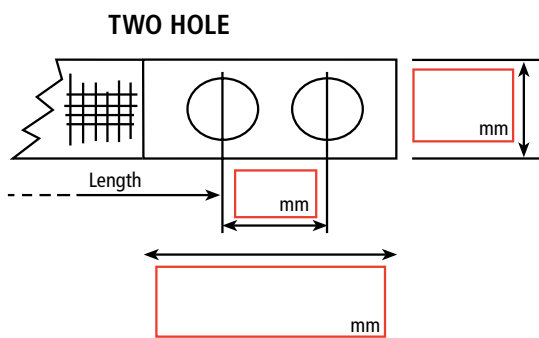
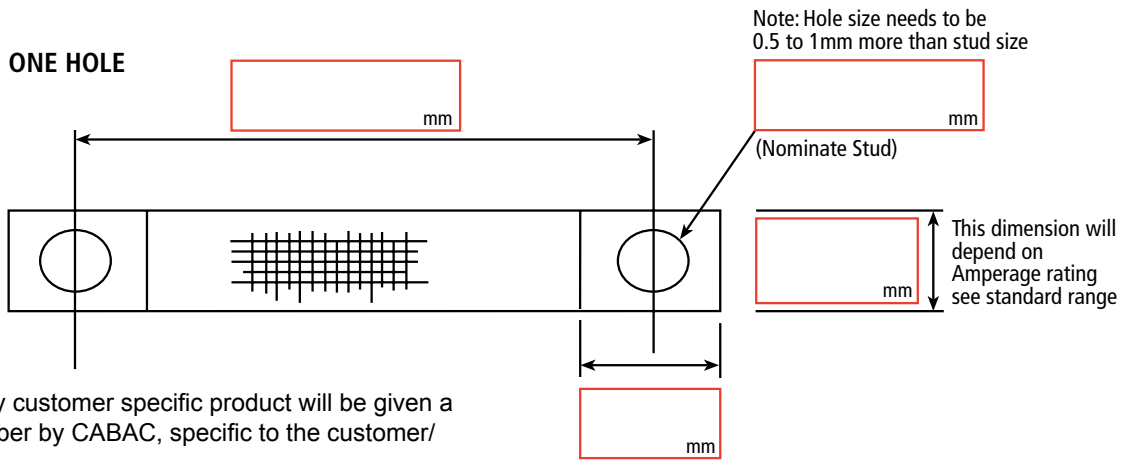
Fax: _____

Fax: _____

Mobile: _____

Date Delivery Required: _____

Qty Required: _____



SPECIALY MANUFACTURED GOODS ARE NOT RETURNABLE FOR CREDIT

Customer Approval: _____

Date: _____

**FAX THIS FORM BACK TO CABAC MANUFACTURING
FAX: 1300 303 310**

COPPER CRIMP LUGS

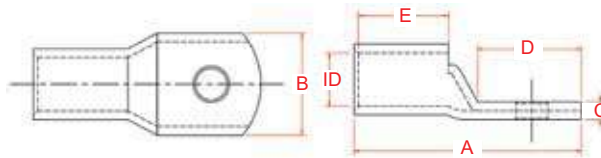
CU CRIMP 1.5-95MM2



CABAC's Lugs are made from 99.9%+ cu high conductivity annealed copper which gives the best electrical properties possible. They are capable of withstanding a continuous operating temperature of 110°C. The lugs comply with AS4325.1 and test reports are available on request.

The lugs have a viewing window to check conductor location from 1.5mm² to 185mm². From 240mm² up the lugs have no window, because they are generally used outdoors.

They should be crimped with standard Australian tooling.



Part No.	Nominal Conductor (mm ²)	Stranding No.	ID Size (mm)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
CAL1.5-5	1.5	7/0.50	1.8	5	18	8	1	9	7	-	1	K26, K27, K28	BOX	100
CAL1.5-6	1.5	7/0.50	1.8	6	20	10	0.8	11	7	-	1	K26, K27, K28	BOX	100
CAL2.5-4	2.5	7/0.67	2.4	4	18	8	1	9	7	-	1	K26, K27, K28	BOX	100
CAL2.5-5	2.5	7/0.67	2.4	5	20	10	0.8	11	7	-	1	K26, K27, K28	BOX	100
CAL2.5-6	2.5	7/0.67	2.4	6	20	10	0.8	11	7	-	1	K26, K27, K28	BOX	100
CAL2.5-8	2.5	7/0.67	2.4	8	24	11	0.7	15	7	-	1	K26, K27, K28	BOX	100
CAL4-5	4	7/0.85	3.1	5	22	10	1	11	9	-	1	K26, K27, K28	BOX	100
CAL4-6	4	7/0.85	3.1	6	22	10	1	11	9	-	1	K26, K27, K28	BOX	100
CAL4-8	4	7/0.85	3.1	8	26	12	0.8	15	9	-	1	K26, K27, K28	BOX	100
CAL6-5	6	7/1.04	3.8	5	23	10	1.2	11	9	4.4	1	K26, K27, K28	BOX	100
CAL6-6	6	7/1.04	3.8	6	27	12	1	15	9	4.4	1	K26, K27, K28	BOX	100
CAL6-8	6	7/1.04	3.8	8	27	12	1	15	9	4.4	1	K26, K27, K28	BOX	100
CAL6-10	6	7/1.04	3.8	10	32	16	0.8	20	9	4.4	1	K26, K27, K28	BOX	100
CAL10-5	10	7/1.35	4.7	5	27	12	1.8	14	10	5.7	1	HT130-C-10	BOX	100
CAL10-6	10	7/1.35	4.7	6	27	12	1.8	14	10	5.7	1	HT130-C-10	BOX	100
CAL10-8	10	7/1.35	4.7	8	29	14	1.5	16	10	5.7	1	HT130-C-10	BOX	100
CAL10-10	10	7/1.35	4.7	10	32	16	1.3	19	10	5.7	1	HT130-C-10	BOX	100
CAL10-12	10	7/1.35	4.7	12	37	18	1.2	23	10	5.7	1	HT130-C-10	BOX	100
CAL16-6	16	7/1.70	5.5	6	37	11	2.3	14	19	6.3	1	HT130-C-16	BOX	50
CAL16-8	16	7/1.70	5.5	8	39	14	1.7	16	19	6.3	1	HT130-C-16	BOX	50
CAL16-10	16	7/1.70	5.5	10	41	16	1.5	18	19	6.3	1	HT130-C-16	BOX	50
CAL16-12	16	7/1.70	5.5	12	46	18	2.4	23	19	6.3	1	HT130-C-16	BOX	50
CAL25-6	25	19/1.35	7.1	6	41	14	2.4	16	21	7.7	1	HT130-C-25	BOX	50
CAL25-8	25	19/1.35	7.1	8	41	14	2.4	16	21	7.7	1	HT130-C-25	BOX	50
CAL25-10	25	19/1.35	7.1	10	44	16	2	19	21	7.7	1	HT130-C-25	BOX	50
CAL25-12	25	19/1.35	7.1	12	48	18	1.6	23	21	7.7	1	HT130-C-25	BOX	50
CAL35-6	35	19/1.53	8.2	6	44	16	3	18	21	9.2	1	HT130-C-35	BOX	50
CAL35-8	35	19/1.53	8.2	8	44	16	3	18	21	9.2	1	HT130-C-35	BOX	50
CAL35-10	35	19/1.53	8.2	10	46	18	3	20	21	9.2	1	HT130-C-35	BOX	50
CAL35-12	35	19/1.53	8.2	12	50	20	2	24	21	9.2	1	HT130-C-35	BOX	50
CAL50-6	50	19/1.78	9.5	6	48	18	3.2	20	22	10.4	1	HT130-C-50	BOX	50
CAL50-8	50	19/1.78	9.5	8	48	18	3.2	20	22	10.4	1	HT130-C-50	BOX	50
CAL50-10	50	19/1.78	9.5	10	48	18	3.2	20	22	10.4	1	HT130-C-50	BOX	50
CAL50-12	50	19/1.78	9.5	12	52	21	2.7	24	22	10.4	1	HT130-C-50	BOX	50
CAL70-6	70	19/2.14	11.2	6	54	21	3.3	24	24	11.5	1	HT130-C-70	BOX	25
CAL70-8	70	19/2.14	11.2	8	54	21	3.3	24	24	11.5	1	HT130-C-70	BOX	25
CAL70-10	70	19/2.14	11.2	10	54	21	3.3	24	24	11.5	1	HT130-C-70	BOX	25
CAL70-12	70	19/2.14	11.2	12	54	21	3.3	24	24	11.5	1	HT130-C-70	BOX	25
CAL70-16	70	19/2.14	11.2	16	64	28	2.4	34	24	11.5	1	HT130-C-70	BOX	25
CAL95-8	95	19/2.45	13.4	8	60	25	3.9	26	27	14.2	1	HT130-C-95	EA	1
CAL95-10	95	19/2.45	13.4	10	60	25	3.9	26	27	14.2	1	HT130-C-95	EA	1
CAL95-12	95	19/2.45	13.4	12	60	25	3.9	26	27	14.2	1	HT130-C-95	EA	1
CAL95-16	95	19/2.45	13.4	16	64	28	3.4	30	27	14.2	1	HT130-C-95	EA	1

	Tooling	Part No.
INDENT	K9	CAL16-6 to CAL95-16
	HN1, HN2	CAL1.5-5 to CAL10-12
	K10/3	CAL1.5-5 to CAL6-10
	K25, K26, K27	CAL1.5-5 to CAL16-12
HEX	K28	CAL1.5-5 to CAL25-12
	K05	CAL6-5 to CAL50-12
	K06, K06C, B035	CAL6-5 to CAL50-12
	K06, B035	CAL70-6 to CAL95-16
	HT51, B51, CY0-510B	CAL16-6 to CAL50-12
	HT131-C, HT131LN-C, HT131-UC, RHC131, RHU131-C, B131-C, B131LN-C, B135-C	CAL16-6 to CAL50-12
	ECW-H3D, (TO 630MM2) RHU520	CAL16-6 to CAL95-16
	HT51, B51	CAL70-6 to CAL95-16
	HT131-C, HT131-UC, HT131LN-C, RHC131, RHU131-C, B131-C, B135-C, B131LN-C, CY0-510B	CAL70-6 to CAL95-16

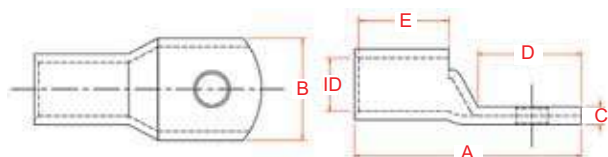
LUGS AND LINKS

CU CRIMP 120-1000MM2

CABAC's Lugs are made from 99.9%+ cu high conductivity annealed copper which gives the best electrical properties possible. They are capable of withstanding a continuous operating temperature of 110°C. The lugs comply with AS4325.1 and test reports are available on request.

The lugs have a viewing window to check conductor location from 1.5mm² to 185mm². From 240mm² up the lugs have no window, because they are generally used outdoors.

They should be crimped with standard Australian tooling.



Part No.	Nominal Conductor (mm ²)	Stranding No.	ID Size (mm)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
CAL120	120	37/2.03	15.6	-	64	29	5	26	30	16.5	1	HT130-C-120	EA	1
CAL120-8	120	37/2.03	15.6	8	64	29	5	26	30	16.5	1	HT130-C-120	EA	1
CAL120-10	120	37/2.03	15.6	10	64	29	5	26	30	16.5	1	HT130-C-120	EA	1
CAL120-12	120	37/2.03	15.6	12	64	29	5	26	30	16.5	1	HT130-C-120	EA	1
CAL120-16	120	37/2.03	15.6	16	68	29	5	30	30	16.5	1	HT130-C-120	EA	1
CAL120-20	120	37/2.03	15.6	20	81	34	4	42	30	16.5	1	HT130-C-120	EA	1
CAL150	150	37/2.25	16.7	-	71	32	5.5	32	30	18.3	2	HT130-C-150	EA	1
CAL150-8	150	37/2.25	16.7	8	71	32	5.5	32	30	18.3	2	HT130-C-150	EA	1
CAL150-10	150	37/2.25	16.7	10	71	32	5.5	32	30	18.3	2	HT130-C-150	EA	1
CAL150-12	150	37/2.25	16.7	12	80	32	5.5	41	30	18.3	2	HT130-C-150	EA	1
CAL150-16	150	37/2.25	16.7	16	80	32	5.5	41	30	18.3	2	HT130-C-150	EA	1
CAL185-10	185	37/2.52	18.4	10	74	35	5.7	32	32	20	1 round, 2 compacted	HT130-C-185	EA	1
CAL185-12	185	37/2.52	18.4	12	83	35	5.7	41	32	20	1 round, 2 compacted	HT130-C-185	EA	1
CAL185-16	185	37/2.52	18.4	16	83	35	5.7	41	32	20	1 round, 2 compacted	HT130-C-185	EA	1
CAL185-20	185	37/2.52	18.4	20	84	38	5	42	32	20	1 round, 2 compacted	HT130-C-185	EA	1
CAL240	240	61/2.25	21.2	-	92	40	7.1	42	38	23.1	3	HT130-C-240	EA	1
CAL240-10	240	61/2.25	21.2	10	92	40	7.1	42	38	23.1	3	HT130-C-240	EA	1
CAL240-12	240	61/2.25	21.2	12	92	40	7.1	42	38	23.1	3	HT130-C-240	EA	1
CAL240-16	240	61/2.25	21.2	16	92	40	7.1	42	38	23.1	3	HT130-C-240	EA	1
CAL300	300	61/2.52	23.5	-	101	45	7.8	46	42	26	3	HT130-C-300	EA	1
CAL300-10	300	61/2.52	23.5	10	101	45	7.8	46	42	26	3	HT130-C-300	EA	1
CAL300-12	300	61/2.52	23.5	12	101	45	7.8	46	42	26	3	HT130-C-300	EA	1
CAL300-16	300	61/2.52	23.5	16	101	45	7.8	46	42	26	3	HT130-C-300	EA	1
CAL400	400	61/2.85	26.8	-	114	50	7.7	52	44	28.1	3	ECW-H3D-400	EA	1
CAL400-10	400	61/2.85	26.8	10	114	50	7.7	52	44	28.1	3	ECW-H3D-400	EA	1
CAL400-12	400	61/2.85	26.8	12	114	50	7.7	52	44	28.1	3	ECW-H3D-400	EA	1
CAL400-16	400	61/2.85	26.8	16	114	50	7.7	52	44	28.1	3	ECW-H3D-400	EA	1
CAL500	500	61/3.20	30	-	124	56	8.5	56	48	31	3	ECW-H3D-500	EA	1
CAL500-10	500	61/3.20	30	10	124	56	8.5	56	48	31	3	ECW-H3D-500	EA	1
CAL500-12	500	61/3.20	30	12	124	56	8.5	56	48	31	3	ECW-H3D-500	EA	1
CAL500-16	500	61/3.20	30	16	124	56	8.5	56	48	31	3	ECW-H3D-500	EA	1
CAL630	630	59/3.80	34	-	134	65	11	56	56	37	4	ECW-H3D-630	EA	1
CAL630-10	630	59/3.80	34	10	134	65	11	56	56	37	4	ECW-H3D-630	EA	1
CAL630-12	630	59/3.80	34	12	134	65	11	56	56	37	4	ECW-H3D-630	EA	1
CAL630-16	630	59/3.80	34	16	134	65	11	56	56	37	4	ECW-H3D-630	EA	1
CAL800	800	127/2.85	39.3	-	275	76	14	125	105	43.2	4	RHU520-800	EA	1
CAL1000	1000	127/3.20	44	-	295	85	16	125	110	48	4	RHU520-1000	EA	1

Tooling

INDENT HEX

K9
K06, K06C, B035
HT51, B51
ECW-H3D, (TO 630MM2) RHU520
HT131-C, HT131-UC, HT131LN-C, RHC131, RHU131-C, B131-C, B135-C, B131LN-C, CY0-510B

Part No.

CAL120 to CAL120-20
CAL120 to CAL120-20
CAL120 to CAL185-12
CAL120 to CAL800
CAL120 to CAL300

CU CRIMP KITS



- Handy resealable zip lock bags with smaller quantities of lugs than box lots
- Made from high conductivity annealed Copper
- General purpose lug kits

Part No.	Description	Unit	Qty
CAL1.5-5/K	LUG KIT 15 OF CAL1.5-5	KIT	1
CAL2.5-5/K	LUG KIT 15 OF CAL2.5-5	KIT	1
CAL2.5-6/K	LUG KIT 15 OF CAL2.5-6	KIT	1
CAL4-5/K	LUG KIT 12 OF CAL4-5	KIT	1
CAL4-6/K	LUG KIT 12 OF CAL4-6	KIT	1
CAL6-5/K	LUG KIT 12 OF CAL6-5	KIT	1
CAL6-6/K	LUG KIT 12 OF CAL6-6	KIT	1
CAL6-8/K	LUG KIT 12 OF CAL6-8	KIT	1
CAL10-6/K	LUG KIT 7 OF CAL10-6	KIT	1
CAL10-8/K	LUG KIT 7 OF CAL10-8	KIT	1
CAL16-6/K	LUG KIT 6 OF CAL16-6	KIT	1
CAL16-8/K	LUG KIT 6 OF CAL16-8	KIT	1
CAL16-10/K	LUG KIT 6 OF CAL16-10	KIT	1
CAL25-8/K	LUG KIT 5 OF CAL25-8	KIT	1
CAL25-10/K	LUG KIT 5 OF CAL25-10	KIT	1
CAL35-8/K	LUG KIT 4 OF CAL35-8	KIT	1
CAL35-10/K	LUG KIT 4 OF CAL35-10	KIT	1
CAL35-12/K	LUG KIT 4 OF CAL35-12	KIT	1
CAL50-8/K	LUG KIT 3 OF CAL50-8	KIT	1
CAL50-10/K	LUG KIT 3 OF CAL50-10	KIT	1
CAL50-12/K	LUG KIT 3 OF CAL50-12	KIT	1
CAL70-10/K	LUG KIT 2 OF CAL70-10	KIT	1
CAL70-12/K	LUG KIT 2 OF CAL70-12	KIT	1

COPPER TERMINATION KITS

CU TERMINATOR KITS

CU LUG KIT 2.5-16MM AND K26

Unit: KIT Qty: 1



Part No. KPBK1

- Kit contains a large quantities totalling 576 pieces of Uninsulated Copper lugs and links
- Lugs and links range from 2.5-16mm²
- Copper lug hand crimper tool K26 included
- Supplied with KPB1 plastic compartment box

LUG KIT 2.5-16MM AND K26

Unit: KIT Qty: 1



Part No. KPBK2

- Kit contains handyman quantities totalling 211 pieces of uninsulated Copper lugs and links
- Lugs and links range from 2.5-16mm²
- Copper lug hand crimper tool K26 included
- Supplied with KPB1 plastic, compartment box

LUGS AND LINKS

COPPER BELLMOUTH LUGS

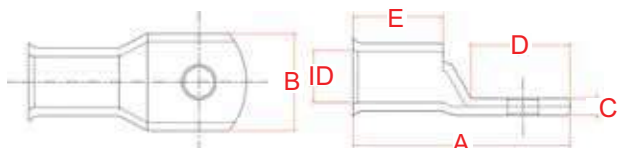
CU 6MM-120MM BELLMOUTH

CABAC's Bell Mouth Lug range is specifically designed to accommodate fine stranded flexible conductors. Because fine stranded cables have a larger diameter than normal cables, and they tend to splay out after stripping, CABAC has developed this range of lugs, which funnel the strands into the lug and make conductor insertion easy.

At the top end of the range, around 150 to 240mm² some manufacturers cables will not fit into the nominal lug. In this case CABAC recommends using one lug size up, and using a special crimping method, described on the next page.

CABAC has done tests on various manufacturers cables, and tables defining fitment of cables are available from our sales desk.

Please contact CABAC for assistance.



Part No.	Nominal Conductor (mm ²)	ID Size (mm)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
CAL6-6BM	6	3.8	6	27	12	1	15	9	4.4	1	-	EA	1
CAL6-8BM	6	3.8	8	27	12	1	15	9	4.4	1	-	EA	1
CAL6-10BM	6	3.8	10	32	16	0.8	20	9	4.4	1	-	EA	1
CAL10-6BM	10	4.7	6	27	12	1.8	14	10	5.7	1	-	EA	1
CAL10-8BM	10	4.7	8	29	14	1.5	16	10	5.7	1	-	EA	1
CAL10-10BM	10	4.7	10	32	16	1.3	19	10	5.7	1	-	EA	1
CAL10-12BM	10	4.7	12	37	18	1.2	23	10	5.7	1	-	EA	1
CAL16-6BM	16	5.5	6	37	11	2.3	14	19	6.3	1	HT130-C-16	EA	1
CAL16-8BM	16	5.5	8	39	14	1.7	16	19	6.3	1	HT130-C-16	EA	1
CAL16-10BM	16	5.5	10	41	16	1.5	18	19	6.3	1	HT130-C-16	EA	1
CAL16-12BM	16	5.5	12	46	18	2.4	23	19	6.3	1	HT130-C-16	EA	1
CAL25-6BM	25	7.1	6	41	14	2.4	16	21	7.7	1	HT130-C-25	EA	1
CAL25-8BM	25	7.1	8	41	14	2.4	16	21	7.7	1	HT130-C-25	EA	1
CAL25-10BM	25	7.1	10	44	16	2	19	21	7.7	1	HT130-C-25	EA	1
CAL25-12BM	25	7.1	12	46	18	1.6	23	21	7.7	1	HT130-C-25	EA	1
CAL35-6BM	35	8.2	6	44	16	3	18	21	9.2	1	HT130-C-35	EA	1
CAL35-8BM	35	8.2	8	44	16	3	18	21	9.2	1	HT130-C-35	EA	1
CAL35-10BM	35	8.2	10	46	18	2.6	20	21	9.2	1	HT130-C-35	EA	1
CAL35-12BM	35	8.2	12	50	20	2.3	24	21	9.2	1	HT130-C-35	EA	1
CAL50-6BM	50	9.5	6	48	18	3.2	20	22	10.4	1	HT130-C-50	EA	1
CAL50-8BM	50	9.5	8	48	18	3.2	20	22	10.4	1	HT130-C-50	EA	1
CAL50-10BM	50	9.5	10	48	18	3.2	20	22	10.4	1	HT130-C-50	EA	1
CAL50-12BM	50	9.5	12	52	21	2.7	24	22	10.4	1	HT130-C-50	EA	1
CAL70-6BM	70	11.2	6	54	21	3.3	24	24	11.5	1	HT130-C-70	EA	1
CAL70-8BM	70	11.2	8	54	21	3.3	24	24	11.5	1	HT130-C-70	EA	1
CAL70-10BM	70	11.2	10	54	21	3.3	24	24	11.5	1	HT130-C-70	EA	1
CAL70-12BM	70	11.2	12	54	21	3.3	24	24	11.5	1	HT130-C-70	EA	1
CAL95-8BM	95	13.4	8	60	25	3.9	26	27	14.2	1	HT130-C-95	EA	1
CAL95-10BM	95	13.4	10	60	25	3.9	26	27	14.2	1	HT130-C-95	EA	1
CAL95-12BM	95	13.4	12	60	25	3.9	26	27	14.2	1	HT130-C-95	EA	1
CAL95-16BM	95	13.4	16	64	28	3.4	30	27	14.2	1	HT130-C-95	EA	1
CAL120-8BM	120	15.6	8	64	29	5	26	30	16.5	1 round, 2 compacted	HT130-C-120	EA	1
CAL120-10BM	120	15.6	10	64	29	5	26	30	16.5	1 round, 2 compacted	HT130-C-120	EA	1
CAL120-12BM	120	15.6	12	64	29	5	26	30	16.5	1 round, 2 compacted	HT130-C-120	EA	1
CAL120-16BM	120	15.6	16	68	29	5	30	30	16.5	1 round, 2 compacted	HT130-C-120	EA	1

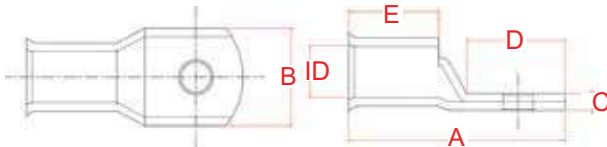
	Tooling	Part No.
INDENT	HN1, HN2	CAL6-6BM to CAL10-10BM
	K10/3	CAL6-6BM to CAL6-10BM
	K25, K26, K27	CAL6-6BM to CAL16-12BM
	K28	CAL6-6BM to CAL25-12BM
	K05	CAL6-6BM to CAL50-12BM
HEX	K06, K06C, B035	CAL6-6BM to CAL50-12BM
	HT51, B51	CAL16-6BM to CAL70-12BM
	HT131-C, HT131LN-C, HT131-UC, RHC131, RHU131-C, B131-C, B131LN-C, B135-C, CY0-510B	CAL16-6BM to CAL120-16BM
	ECW-H3D, (TO 630MM2) RHU520	CAL16-6BM to CAL120-16BM

CU 150-500MM BELLMOUTH

CABAC's Bell Mouth Lug range is specifically designed to accommodate fine stranded flexible conductors. Because fine stranded cables have a larger diameter than normal cables, and they tend to splay out after stripping, CABAC has developed this range of lugs, which funnel the strands into the lug and make conductor insertion easy.

At the top end of the range, around 150 to 240mm² some manufacturers cables will not fit into the nominal lug. In this case CABAC recommends using one lug size up, and using a special crimping method, described on the next page. CABAC has done tests on various manufacturers cables, and tables defining fitment of cables are available from our sales desk.

Please contact CABAC for assistance.



Part No.	Nominal Conductor (mm ²)	ID Size (mm)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
CAL150BM	150	16.7	-	71	32	5.5	32	30	18.3	2	HT130-C-150	EA	1
CAL150-8BM	150	16.7	8	71	32	5.5	32	30	18.3	2	HT130-C-150	EA	1
CAL150-10BM	150	16.7	10	71	32	5.5	32	30	18.3	2	HT130-C-150	EA	1
CAL150-12BM	150	16.7	12	80	32	5.5	41	30	18.3	2	HT130-C-150	EA	1
CAL150-16BM	150	16.7	16	80	32	5.5	41	30	18.3	2	HT130-C-150	EA	1
CAL185-10BM	185	18.4	10	74	35	5.7	32	32	20	2	HT130-C-185	EA	1
CAL185-12BM	185	18.4	12	83	35	5.7	41	32	20	2	HT130-C-185	EA	1
CAL185-16BM	185	18.4	16	83	35	5.7	41	32	20	2	HT130-C-185	EA	1
CAL240BM	240	21.2	-	92	40	7.1	42	38	23.1	3	HT130-C-240	EA	1
CAL240-10BM	240	21.2	10	92	40	7.1	42	38	23.1	3	HT130-C-240	EA	1
CAL240-12BM	240	21.2	12	92	40	7.1	42	38	23.1	3	HT130-C-240	EA	1
CAL240-16BM	240	21.2	16	92	40	7.1	42	38	23.1	3	HT130-C-240	EA	1
CAL300BM	300	23.5	-	101	45	7.8	46	42	26	3	HT130-C-300	EA	1
CAL300-10BM	300	23.5	10	101	45	7.8	46	42	26	3	HT130-C-300	EA	1
CAL300-12BM	300	23.5	12	101	45	7.8	46	42	26	3	HT130-C-300	EA	1
CAL300-16BM	300	23.5	16	101	45	7.8	46	42	26	3	HT130-C-300	EA	1
CAL400BM	400	26.8	-	114	50	7.7	52	44	28.1	3	HT130-C-400	EA	1
CAL400-12BM	400	26.8	12	114	50	7.7	52	44	28.1	3	HT130-C-400	EA	1
CAL500BM	500	31.5	-	128	56	7.5	56	50	31	2	ECW-H3D-500	EA	1
CAL500-12BM	500	31.5	12	128	56	7.5	56	50	31	2	ECW-H3D-500	EA	1
CAL500-16BM	500	31.5	16	128	56	7.5	56	50	31	2	ECW-H3D-500	EA	1

Tooling

HEX ECW-H3D, (TO 630MM2) RHU520

Part No.

CAL150BM to CAL500-16BM

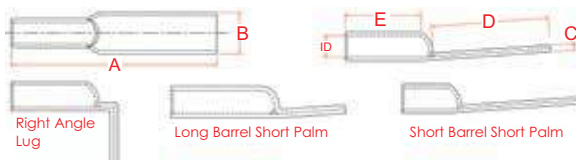
LUGS AND LINKS

COPPER LONG PALM LONG BARREL LUGS

CU LONG PALM LONG BARREL STANDARD



- Made from high conductivity annealed Copper
- Crimped with CABAC and MSS Power standard tooling and dies
- Complies with AS4325.1

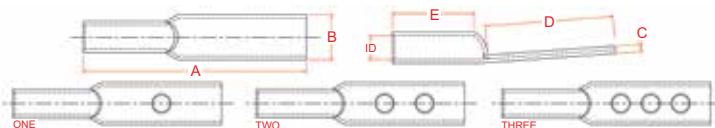


Part No.	ID Size (mm)	Nominal Conductor (mm ²)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Crimp Die	A/F Hex Die (mm)	Unit	Qty
CAL16LPB	5.5	16	86	16	1.5	61	21	HT130-C-16	6.3	EA	1
CAL25LPB	7.1	25	95	16	1.9	61	29	HT130-C-25	7.7	EA	1
CAL35LPB	8.2	35	112	18	2.6	72	35	HT130-C-35	9.2	EA	1
CAL50LPB	9.5	50	130	18	3.3	80	44	HT130-C-50	10.4	EA	1
CAL70LPB	11.2	70	154	21	3.5	100	48	HT130-C-70	11.5	EA	1
CAL95LPB	13.4	95	161	25	3.9	100	54	HT130-C-95	14.2	EA	1
CAL120LPB	15.6	120	168	28	5	100	60	HT130-C-120	16.5	EA	1
CAL150LPB	16.7	150	169	32	5.8	100	60	HT130-C-150	18.3	EA	1
CAL185LPB	18.4	185	174	35	5.8	100	64	HT130-C-185	20	EA	1
CAL240LPB	21.2	240	192	40	7.1	100	80	HT130-C-240	23.1	EA	1
CAL300LPB	23.5	300	208	45	7.8	105	90	HT130-C-300	26	EA	1
CAL400LPB	26.8	400	228	50	7.7	110	100	ECW-H3D-400	28.1	EA	1
CAL500LPB	30	500	235	56	8.5	110	105	ECW-H3D-500	31	EA	1
CAL630LPB	34	630	247	65	10.9	110	115	ECW-H3D-630	37	EA	1

CU LONG PALM LONG BARREL HD



- Made from high conductivity annealed Copper and tinned
- Crimped with CABAC and MSS Power recommended standard dies
- Suitable for most hazardous and severe fault current applications
- Heavy Duty lug with sealed palm and palm junction
- Complies with AS4325.1



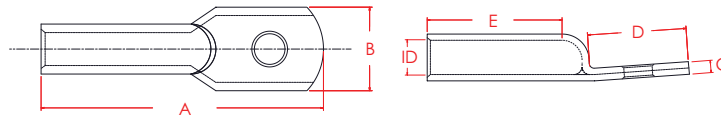
Part No.	ID Size (mm)	Nominal Conductor (mm ²)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Crimp Die	A/F Hex Die (mm)	Unit	Qty
CAL25LPBHD	7.1	25	95	16	4.1	61	29	HT130-C-35	9.2	EA	1
CAL35LPBHD	8.2	35	112	18	4.6	72	35	HT130-C-50	10.4	EA	1
CAL50LPBHD	9.5	50	130	18	5.2	80	44	HT130-C-70	11.5	EA	1
CAL70LPBHD	11.2	70	154	21	6.2	100	48	HT130-C-95	14.2	EA	1
CAL95LPBHD	13.4	95	161	28	6.8	100	54	HT130-C-120	16.5	EA	1
CAL120LPBHD	15.6	120	168	28	6.9	100	60	HT130-C-150	18.3	EA	1
CAL150LPBHD	16.7	150	169	32	7.5	100	60	HT130-C-185	20	EA	1
CAL185LPBHD	18.4	185	174	35	10.2	100	64	HT130-C-240	23.1	EA	1

COPPER LONG BARREL LUGS

CU LONG BARREL



- Made from high conductivity annealed Copper
- Crimped with CABAC and MSS Power standard tooling and dies
- Complies with AS4325.1



Part No.	Nominal Conductor (mm ²)	Stranding No.	ID Size (mm)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
CAL10LB-6	10	7/1.35	4.7	6	39	12	1.8	16	21	5.7	2	HT130-C-10	EA	1
CAL16LB-6	16	7/1.7	5.5	6	60	11	2.3	20	35	6.3	2 Over-lap	HT130-C-16	EA	1
CAL16LB-8	16	7/1.7	5.5	8	60	14	1.7	20	35	6.3	2 Over-lap	HT130-C-16	EA	1
CAL25LB-8	25	19/1.35	7.1	8	62	14	2.4	22	35	7.7	2 Over-lap	HT130-C-25	EA	1
CAL25LB-10	25	19/1.35	7.1	10	62	16	2	22	35	7.7	2 Over-lap	HT130-C-25	EA	1
CAL25LB-12	25	19/1.35	7.1	12	62	18	1.75	22	35	7.7	2 Over-lap	HT130-C-25	EA	1
CAL35LB-8	35	19/1.53	8.2	8	65	16	3	25	35	9.2	2 Over-lap	HT130-C-35	EA	1
CAL35LB-12	35	19/1.53	8.2	12	65	20	2.3	25	35	9.2	2 Over-lap	HT130-C-35	EA	1
CAL35LB-10	35	19/1.53	8.2	10	65	18	2.6	25	35	9.2	2 Over-lap	HT130-C-35	EA	1
CAL50LB-10	50	19/1.78	9.5	10	77	18	3.2	27	44	10.4	2	HT130-C-50	EA	1
CAL50LB-12	50	19/1.78	9.5	12	77	21	2.7	27	44	10.4	2	HT130-C-50	EA	1
CAL70LB-10	70	19/2.14	11.2	10	81	21	3.3	27	48	11.5	2	HT130-C-70	EA	1
CAL70LB-12	70	19/2.14	11.2	12	81	21	3.3	27	48	11.5	2	HT130-C-70	EA	1
CAL95LB-10	95	37/1.78	13.4	10	88	25	3.9	27	54	14.2	2	HT130-C-95	EA	1
CAL95LB-12	95	37/1.78	13.4	12	88	25	3.9	27	54	14.2	2	HT130-C-95	EA	1
CAL120LB-10	120	37/2.03	15.6	10	98	29	5	30	60	16.5	3	HT130-C-120	EA	1
CAL120LB-12	120	37/2.03	15.6	12	98	29	5	30	60	16.5	3	HT130-C-120	EA	1
CAL150LB-12	150	37/2.25	16.7	12	110	32	5.5	41	60	18.3	4 Over-lap	HT130-C-150	EA	1
CAL150LB-16	150	37/2.25	16.7	16	110	32	5.5	41	60	18.3	4 Over-lap	HT130-C-150	EA	1
CAL185LB-12	185	37/2.25	18.4	12	115	32	5.5	41	64	20	4 Over-lap	HT130-C-185	EA	1
CAL240LB-10	240	61/2.25	21.2	10	142	40	7.1	50	80	23.1	4	HT130-C-240	EA	1
CAL240LB-12	240	61/2.25	21.2	12	142	40	7.1	50	80	23.1	4	HT130-C-240	EA	1
CAL300LB	300	61/2.52	23.5	-	153	45	7.8	50	90	26	4	HT130-C-300	EA	1
CAL300LB-10	300	61/2.52	23.5	10	153	45	7.8	50	90	26	4	HT130-C-300	EA	1
CAL300LB-12	300	61/2.52	23.5	12	153	45	7.8	50	90	26	4	HT130-C-300	EA	1
CAL400LB	400	61/2.85	26.8	-	170	50	7.7	52	100	28.1	3	ECW-H3D-400	EA	1
CAL500LB	500	61/3.20	30	-	181	56	8.5	56	105	31	3	ECW-H3D-500	EA	1
CAL630LB	630	127/2.52	34	-	193	65	10.9	56	115	37	4	ECW-H3D-630	EA	1

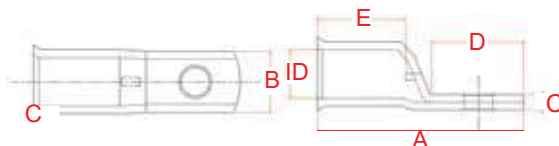
LUGS AND LINKS

COPPER CIRCUIT BREAKER LUGS

CU CIRCUIT BREAKER



- Specially made for terminating large cables to circuit breakers
- Narrow palm design fits into Circuit breaker connection tunnel
- Unique bell mouth for easy insertion of fine stranded conductors
- Made from 99.9%+ high conductivity Copper
- Complies to AS/NZS4325.1



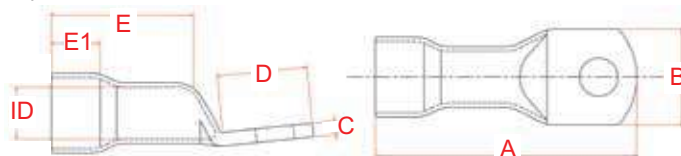
Part No.	Nominal Conductor (mm ²)	ID Size (mm)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
CALCB35-6	35	8.2	6	41	15	3	15	21	9.2	1	HT130-C-35	EA	1
CALCB50-6	50	9.5	6	43	15	3.2	15	22	10.4	1	HT130-C-50	EA	1
CALCB50-8	50	9.5	8	43	15	3.2	15	22	10.4	1	HT130-C-50	EA	1
CALCB50-10	50	9.5	10	49	19	3.2	21	22	10.4	1	HT130-C-50	EA	1
CALCB70-6	70	11.2	6	45	17	3.3	15	24	11.5	1	HT130-C-70	EA	1
CALCB70-8	70	11.2	8	45	17	3.3	15	24	11.5	1	HT130-C-70	EA	1
CALCB70-10	70	11.2	10	51	19	3.3	21	24	11.5	1	HT130-C-70	EA	1
CALCB95-8	95	13.4	8	51	19	3.9	17	27	14.2	1	HT130-C-95	EA	1
CALCB95-10	95	13.4	10	55	19	3.9	21	27	14.2	1	HT130-C-95	EA	1
CALCB120-8	120	15.6	8	61	19	5	23	30	16.5	1	HT130-C-120	EA	1
CALCB120-10	120	15.6	10	61	19	5	23	30	16.5	1	HT130-C-120	EA	1
CALCB120-12	120	15.6	12	61	19	5	23	30	16.5	1	HT130-C-120	EA	1
CALCB150-8	150	16.7	8	66	19	5.5	27	30	18.3	1	HT130-C-150	EA	1
CALCB150-10	150	16.7	10	66	19	5.5	27	30	18.3	1	HT130-C-150	EA	1
CALCB150-12	150	16.7	12	66	19	5.5	27	30	18.3	1	HT130-C-150	EA	1
CALCB185-10	185	18.4	10	74	24.5	5.8	32	32	20	1	HT130-C-185	EA	1
CALCB185-12	185	18.4	12	74	24.5	5.8	32	32	20	1	HT130-C-185	EA	1
CALCB240-10	240	21.2	10	82	31	7.1	32	38	23.1	3	HT130-C-240	EA	1
CALCB240-12	240	21.2	12	82	31	7.1	32	38	23.1	3	HT130-C-240	EA	1
CALCB300-10	300	23.5	10	87	31	7.8	32	42	26	3	HT130-C-300	EA	1
CALCB300-12	300	23.5	12	87	31	7.8	32	42	26	3	HT130-C-300	EA	1
CALCB400	400	26.8	0	122	34.9	12	60	55	28.1	2	ECW-H3D-400	EA	1
CALCB400-10	400	26.8	10	122	34.9	12	60	55	28.1	2	ECW-H3D-400	EA	1
CALCB400-12	400	26.8	12	122	34.9	12	60	55	28.1	2	ECW-H3D-400	EA	1

COPPER DOUBLE GRIP LUGS

CU DOUBLE GRIP



- Made from high conductivity 99.9% pure annealed Copper
- Crimped with CABAC and MSS Power standard recommended dies
- Suitable for high vibration applications
- Flared barrel crimped onto conductor insulation
- Complies with AS4325.1



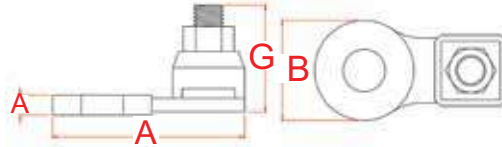
Part No.	Nominal Conductor (mm ²)	ID Barrel (mm)	ID Flare (mm)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	E1 (mm)	A/F Hex Die (mm)	No. Crimps	A/F Die on Flare	Unit	Qty
CAL35-12DG	35	8.2	13.9	12	60	20	2.2	22.5	29.2	10.5	9.2	1	11.5/70Cu	EA	1
CAL50-12DG	50	9.5	15.3	12	64	21	2.7	23	32	11.5	10.4	1	14.2/95Cu	EA	1
CAL70-12DG	70	11.2	16	12	67	21	3.2	26	34	13.5	11.5	1	16.5/120Cu	EA	1
CAL95-12DG	95	13.4	18.9	12	76	25	3.9	28	38	13.5	14.2	1	18.3/150Cu	EA	1
CAL120-12DG	120	15.6	23.3	12	83	29	5	26.5	44	14	16.5	1	20.0/185Cu	EA	1
CAL150-12DG	150	16.7	24.95	12	97	32	5.5	42.5	44	15.5	18.3	1	23.1/240Cu	EA	1
CAL185-12DG	185	18.4	28.9	12	105	35	5.7	39	49	22.5	20	1	26.0/300Cu	EA	1
CAL240-12DG	240	21.2	32.9	12	116	40	7.1	41.7	57	22.5	23.1	2	28.1/400Cu	EA	1
CAL300-12DG	300	23.5	34.7	12	126	45	7.8	46.5	62	24	26	2	31.0/500Cu	EA	1

COPPER BOLTED LUGS

CU SINGLE BOLTED LUG



- Used for temporary connections and for normal stranded and flexible conductors
- Bolts ensures a superior connection. Made from copper alloy
- Machined palms for bolting on either surface
- Can be re-used many times
- Corrugated barrel to improve connection



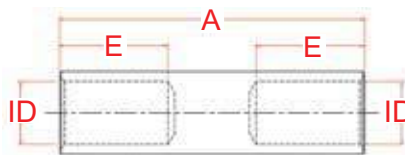
Part No.	Conductor Box (mm ²)	Stranding No.	A (mm)	B (mm)	C (mm)	G (mm)	Unit	Qty
CABL2	16	7/1.70	44	19	5	24	EA	1
CABL3	25-35	7/2.14, 19/1.53	53	25	5	29	EA	1
CABL4	50-70	19/1.78 19/2.14	60	31	6	34	EA	1
CABL6	150-185	37/2.25 37/2.52	76	38	8	45	EA	1

COPPER BARRIER AND REDUCING LINKS

CU BARRIER LINKS



- Designed for paper cables or in any situation where an impermeable barrier to oil or moisture is required
- Reducing links are Barrier type as well
- Crimped with CABAC and MSS Power standard tooling and Copper dies



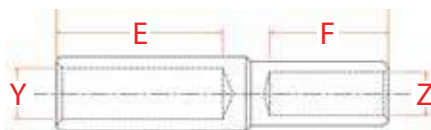
Part No.	Nominal Conductor (mm ²)	Stranding No.	ID Size (mm)	A (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
CASB10	10	7/1.35	4.5	35	10	5.7	1	HT130-C-10	EA	1
CASB16	16	7/1.70	5.5	55	19	6.3	1	HT130-C-16	EA	1
CASB25	25	19/1.35	7.3	60	21	7.7	1	HT130-C-25	EA	1
CASB35	35	19/1.53	8.2	60	21	9.2	1	HT130-C-35	EA	1
CASB50	50	19/1.78	9.5	65	22	10.4	1	HT130-C-50	EA	1
CASB95	95	37/1.78	13.5	80	27	14.2	1	HT130-C-95	EA	1
CASB120	120	37/2.03	15.5	85	30	16.5	2	HT130-C-120	EA	1
CASB150	150	37/2.25	16.5	85	30	18.3	2	HT130-C-150	EA	1
CASB240	240	61/2.25	21.5	105	38	23.1	3	HT130-C-240	EA	1
CASB300	300	61/2.52	23.5	115	42	26	3	HT130-C-300	EA	1
CASB400	400	61/2.85	26.5	145	55	28.1	3	ECW-H3D-400	EA	1
CASB500	500	61/3.20	30	150	55	31	3	ECW-H3D-500	EA	1
CASB630	630	127/2.52	34	150	56	37	4	ECW-H3D-630	EA	1
CASB800	800	127/2.85	39.5	190	75	43.2	3	ECW-H3D-800	EA	1
CASB1000	1000	127/3.20	44	220	95	48	1	RHU520-1000	EA	1

LUGS AND LINKS

CU REDUCING LINKS 6-150MM²



- Suitable for circular and sector stranded copper conductors
- Application: reducing joints, fly leads, tails, etc.
- Impermeable barrier for oils and water
- Crimped with CABAC and MSS Power standard tooling and Copper dies
- Crimp with standard Australian/NZ dies

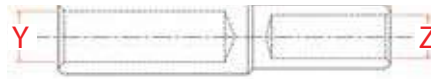


Part No.	Nominal Conductor (mm ²)	A (mm)	E (mm)	F (mm)	Y (mm)	Z (mm)	Large Barrel Crimp Die	Large A/F Hex Die (mm)	Large Barrel No Crimps	Small Barrel Crimp Die	Small A/F Hex Die (mm)	Small Barrel No Crimps	Unit	Qty
CASR6/4	6	30	10	10	4	3	K26 TOOL	4.4	1	K26 TOOL	-	1	EA	1
CASR10/6	10	30	10	10	4.5	4	K26 TOOL	5.7	1	K26 TOOL	4.4	1	EA	1
CASR16/6	16	40	19	10	5.5	4	HT130-C-16	6.3	1	K26 TOOL	4.4	1	EA	1
CASR16/10	16	40	19	10	5.5	4.5	HT130-C-16	6.3	1	K26 TOOL	5.7	1	EA	1
CASR25/6	25	40	21	10	7.1	4	HT130-C-25	7.7	1	K26 TOOL	4.4	1	EA	1
CASR25/10	25	40	21	10	7.1	4.5	HT130-C-25	7.7	1	K26 TOOL	5.7	1	EA	1
CASR25/16	25	50	21	19	7.1	5.5	HT130-C-25	7.7	1	HT130-C-16	6.3	1	EA	1
CASR35/10	35	40	21	10	8.5	4.5	HT130-C-35	9.2	1	K26 TOOL	5.7	1	EA	1
CASR35/16	35	55	21	19	8.5	5.5	HT130-C-35	9.2	1	HT130-C-16	6.3	1	EA	1
CASR35/25	35	60	21	21	8.5	7.5	HT130-C-35	9.2	1	HT130-C-25	7.7	1	EA	1
CASR50/10	50	45	22	10	9.5	4.5	HT130-C-50	10.4	1	K26 TOOL	5.7	1	EA	1
CASR50/16	50	55	22	19	9.5	5.5	HT130-C-50	10.4	1	HT130-C-16	6.3	1	EA	1
CASR50/25	50	55	22	21	9.5	7.5	HT130-C-50	10.4	1	HT130-C-25	7.7	1	EA	1
CASR50/35	50	60	22	21	9.5	8.5	HT130-C-50	10.4	1	HT130-C-35	9.2	1	EA	1
CASR70/16	70	60	24	19	11.5	5.5	HT130-C-70	11.5	1	HT130-C-16	6.3	1	EA	1
CASR70/25	70	60	24	21	11.5	7.5	HT130-C-70	11.5	1	HT130-C-25	7.7	1	EA	1
CASR70/35	70	65	24	21	11.5	8.5	HT130-C-70	11.5	1	HT130-C-35	9.2	1	EA	1
CASR70/50	70	65	24	22	11.5	9.5	HT130-C-70	11.5	1	HT130-C-50	10.4	1	EA	1
CASR95/25	95	65	27	21	13.5	7.5	HT130-C-95	14.2	1	HT130-C-25	7.7	1	EA	1
CASR95/35	95	65	27	21	13.5	8.5	HT130-C-95	14.2	1	HT130-C-35	9.2	1	EA	1
CASR95/50	95	70	27	22	13.5	9.5	HT130-C-95	14.2	1	HT130-C-50	10.4	1	EA	1
CASR95/70	95	70	27	24	13.5	11.5	HT130-C-95	14.2	1	HT130-C-70	11.5	1	EA	1
CASR120/25	120	70	30	21	15.5	7.5	HT130-C-120	16.5	1	HT130-C-25	7.7	1	EA	1
CASR120/35	120	70	30	21	15.5	8.5	HT130-C-120	16.5	1	HT130-C-35	9.2	1	EA	1
CASR120/50	120	70	30	22	15.5	9.5	HT130-C-120	16.5	1	HT130-C-50	10.4	1	EA	1
CASR120/70	120	75	30	24	15.5	11.5	HT130-C-120	16.5	1	HT130-C-70	11.5	1	EA	1
CASR120/95	120	75	30	27	15.5	13.5	HT130-C-120	16.5	1	HT130-C-95	14.2	1	EA	1
CASR150/50	150	70	30	22	16.5	9.5	HT130-C-150	18.3	1	HT130-C-50	10.4	1	EA	1
CASR150/70	150	75	30	24	16.5	11.5	HT130-C-150	18.3	1	HT130-C-70	11.5	1	EA	1
CASR150/95	150	80	30	27	16.5	13.5	HT130-C-150	18.3	1	HT130-C-95	14.2	1	EA	1
CASR150/120	150	80	30	30	16.5	15.5	HT130-C-150	18.3	1	HT130-C-120	16.5	1	EA	1

CU REDUCING LINKS 185-1000MM2



- Suitable for circular and sector stranded copper conductors
- Application: reducing joints, fly leads, tails, etc.
- Impermeable barrier for oils and water
- Crimped with CABAC and MSS Power standard tooling and Copper dies
- Crimp with standard Australian/NZ dies



Part No.	Nominal Conductor (mm ²)	A (mm)	E (mm)	F (mm)	Y (mm)	Z (mm)	Large Barrel Crimp Die	Large A/F Hex Die (mm)	Large Barrel No Crimps	Small Barrel Crimp Die	Small A/F Hex Die (mm)	Small Barrel No Crimps	Unit	Qty
CASR185/70	185	75	32	24	18.5	11.5	HT130-C-185	20	1	HT130-C-70	11.5	1	EA	1
CASR185/95	185	80	32	27	18.5	13.5	HT130-C-185	20	1	HT130-C-95	14.2	1	EA	1
CASR185/120	185	85	32	30	18.5	15.5	HT130-C-185	20	1	HT130-C-120	16.5	1	EA	1
CASR185/150	185	85	32	30	18.5	16.5	HT130-C-185	20	1	HT130-C-150	18.3	1	EA	1
CASR240/95	240	85	38	27	21.5	13.5	HT130-C-240	23.1	3	HT130-C-95	14.2	1	EA	1
CASR240/120	240	90	38	30	21.5	15.5	HT130-C-240	23.1	3	HT130-C-120	16.5	1	EA	1
CASR240/150	240	90	38	30	21.5	16.5	HT130-C-240	23.1	3	HT130-C-150	18.3	1	EA	1
CASR240/185	240	95	38	32	21.5	18.5	HT130-C-240	23.1	3	HT130-C-185	20	1	EA	1
CASR300/120	300	95	42	30	23.5	15.5	HT130-C-300	26	3	HT130-C-120	16.5	1	EA	1
CASR300/150	300	95	42	30	23.5	16.5	HT130-C-300	26	3	HT130-C-150	18.3	1	EA	1
CASR300/185	300	100	42	32	23.5	18.5	HT130-C-300	26	3	HT130-C-185	20	1	EA	1
CASR300/240	300	105	42	38	23.5	21.5	HT130-C-300	26	3	HT130-C-240	23.1	3	EA	1
CASR400/150	400	110	55	30	26.5	16.5	ECW-H3D-400	28.1	3	HT130-C-150	18.3	1	EA	1
CASR400/185	400	110	55	32	26.5	18.5	ECW-H3D-400	28.1	3	HT130-C-185	20	1	EA	1
CASR400/240	400	125	55	38	26.5	21.5	ECW-H3D-400	28.1	3	HT130-C-240	23.1	3	EA	1
CASR400/300	400	125	55	42	26.5	23.5	ECW-H3D-400	28.1	3	HT130-C-300	26	3	EA	1
CASR500/185	500	115	55	32	30	18.5	ECW-H3D-500	31	3	HT130-C-185	20	1	EA	1
CASR500/240	500	120	55	38	30	21.5	ECW-H3D-500	31	3	HT130-C-240	23.1	3	EA	1
CASR500/300	500	125	55	42	30	23.5	ECW-H3D-500	31	3	HT130-C-300	26	3	EA	1
CASR500/400	500	140	55	55	30	26.5	ECW-H3D-500	31	3	ECW-H3D-400	28.1	3	EA	1
CASR630/240	630	120	56	38	34	21.5	ECW-H3D-630	37	4	HT130-C-240	23.1	3	EA	1
CASR630/300	630	125	56	42	34	23.5	ECW-H3D-630	37	4	HT130-C-300	26	3	EA	1
CASR630/400	630	140	56	55	34	26.5	ECW-H3D-630	37	4	ECW-H3D-400	28.1	3	EA	1
CASR630/500	630	140	56	55	34	30	ECW-H3D-630	37	4	ECW-H3D-500	31	3	EA	1

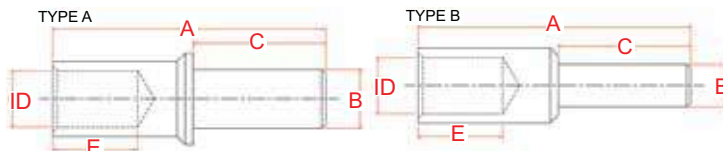
LUGS AND LINKS

COPPER STALK LUGS

CU STALK LUGS



- Stalk lugs are generally used to attach cable terminations to a Copper overhead conductor
- Suitable for electrical equipment clamp terminals
- Crimped with CABAC and MSS Power standard tooling and Copper dies
- The first digits after CS indicate conductor size
- The last digits after / indicates diameter of the stalk



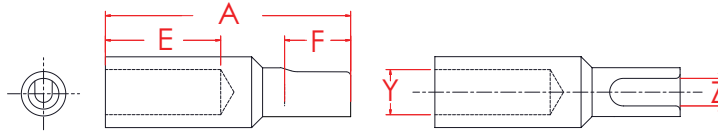
Part No.	Nominal Conductor (mm ²)	ID Size (mm)	A (mm)	B (mm)	C (mm)	E (mm)	Type	Crimp Die	A/F Hex Die (mm)	No. Crimps	Unit	Qty
CS10/6	10	4.5	44	6	22	10	A	-	5.7	1	EA	1
CS10/8	10	4.5	44	8	22	10	A	-	5.7	1	EA	1
CS10/10	10	4.5	44	10	22	10	A	-	5.7	1	EA	1
CS10/12	10	4.5	44	12	22	10	A	-	5.7	1	EA	1
CS16/6	16	5.5	53	6	22	19	A	HT130-C-16	6.3	1	EA	1
CS16/8	16	5.5	53	8	22	19	A	HT130-C-16	6.3	1	EA	1
CS16/10	16	5.5	53	10	22	19	A	HT130-C-16	6.3	1	EA	1
CS16/12	16	5.5	53	12	22	19	A	HT130-C-16	6.3	1	EA	1
CS25/6	25	7.5	62	6	30	21	A	HT130-C-25	7.7	1	EA	1
CS25/8	25	7.5	67	8	35	21	A	HT130-C-25	7.7	1	EA	1
CS25/10	25	7.5	67	10	35	21	A	HT130-C-25	7.7	1	EA	1
CS25/12	25	7.5	67	12	35	21	A	HT130-C-25	7.7	1	EA	1
CS35/6	35	8.5	62	6	30	21	B	HT130-C-35	9.2	1	EA	1
CS35/8	35	8.5	67	8	35	21	A	HT130-C-35	9.2	1	EA	1
CS35/10	35	8.5	67	10	35	21	A	HT130-C-35	9.2	1	EA	1
CS35/12	35	8.5	67	12	35	21	A	HT130-C-35	9.2	1	EA	1
CS50/8	50	9.5	69	8	35	22	B	HT130-C-50	10.4	1	EA	1
CS50/10	50	9.5	69	10	35	22	A	HT130-C-50	10.4	1	EA	1
CS50/12	50	9.5	69	12	35	22	A	HT130-C-50	10.4	1	EA	1
CS50/16	50	9.5	69	16	35	22	A	HT130-C-50	10.4	1	EA	1
CS70/10	70	11.5	77	10	40	24	B	HT130-C-70	11.5	1	EA	1
CS70/12	70	11.5	77	12	40	24	A	HT130-C-70	11.5	1	EA	1
CS70/16	70	11.5	77	16	40	24	A	HT130-C-70	11.5	1	EA	1
CS95/10	95	13.5	80	10	40	27	B	HT130-C-95	14.2	1	EA	1
CS95/12	95	13.5	80	12	40	27	B	HT130-C-95	14.2	1	EA	1
CS95/16	95	13.5	80	16	40	27	A	HT130-C-95	14.2	1	EA	1
CS120/10	120	15.5	82	10	40	30	B	HT130-C-120	16.5	1 for round, 2 for compacted	EA	1
CS120/12	120	15.5	82	12	40	30	B	HT130-C-120	16.5	1 for round, 2 for compacted	EA	1
CS120/16	120	15.5	82	16	40	30	B	HT130-C-120	16.5	1 for round, 2 for compacted	EA	1
CS150/10	150	16.5	89	10	45	30	B	HT130-C-150	18.3	1 for round, 2 for compacted	EA	1
CS150/12	150	16.5	89	12	45	30	B	HT130-C-150	18.3	1 for round, 2 for compacted	EA	1
CS150/16	150	16.5	89	16	45	30	B	HT130-C-150	18.3	1 for round, 2 for compacted	EA	1
CS185/10	185	18.5	92	10	45	32	B	HT130-C-185	20	1 for round, 2 for compacted	EA	1
CS185/12	185	18.5	92	12	45	32	B	HT130-C-185	20	1 for round, 2 for compacted	EA	1
CS185/16	185	18.5	92	16	45	32	B	HT130-C-185	20	1 for round, 2 for compacted	EA	1
CS240/16	240	21.5	103	16	50	38	B	HT130-C-240	23.1	3	EA	1
CS240/18	240	21.5	103	18	50	38	B	HT130-C-240	23.1	3	EA	1
CS240/20	240	21.5	103	20	50	38	B	HT130-C-240	23.1	3	EA	1
CS300/16	300	23.5	107	16	50	42	B	HT130-C-300	26	3	EA	1
CS300/18	300	23.5	107	18	50	42	B	HT130-C-300	26	3	EA	1
CS300/20	300	23.5	107	20	50	42	B	HT130-C-300	26	3	EA	1

COPPER SWITCHGEAR CONNECTORS

CU SWITCHGEAR CONNECTORS



- Designed for terminating Copper conductors onto a 12mm Copper switchgear stem
- Consists of a Copper lug and a steel clamping collar
- Clamping collar incorporating Allen head grub screw
- Clamping collar made from zinc plated steel



Part No.	Nominal Conductor (mm ²)	Stranding No.	Switchgear Stem Dia. (mm)	A (mm)	E (mm)	F (mm)	Y (mm)	Z (mm)	A/F Hex Die (mm)	Crimp Die	No. Crimps	Unit	Qty
CSC16/12K	16	7/1.70	12	70	19	30	5.5	12.5	6.3	HT130-C-16	1	EA	1
CSC25/12K	25	19/1.35	12	72	21	30	7.5	12.5	7.7	HT130-C-25	1	EA	1
CSC35/12K	35	19/1.53	12	72	21	30	8.5	12.5	9.2	HT130-C-35	1	EA	1
CSC50/12K	50	19/1.78	12	74	22	30	9.5	12.5	10.4	HT130-C-50	1	EA	1
CSC70/12K	70	19/2.14	12	77	24	30	11.5	12.5	11.5	HT130-C-70	1	EA	1
CSC95/12K	95	37/1.78	12	80	27	30	13.5	12.5	14.2	HT130-C-95	1	EA	1
CSC120/12K	120	37/2.03	12	82	30	30	15.5	12.5	16.5	HT130-C-120	1	EA	1
CSC150/12K	150	37/2.25	12	87	30	30	16.5	12.5	18.3	HT130-C-150	1	EA	1
CSC185/12K	185	37/2.52	12	87	32	30	18.5	12.5	20	HT130-C-185	1	EA	1
CSC240/12K	240	61/2.25	12	90	38	30	21.5	12.5	23.1	HT130-C-240	3	EA	1
CSC300/12K	300	61/2.52	12	95	42	30	23.5	12.5	26	HT130-C-300	3	EA	1

COPPER SLEEVES

CU SLEEVES



- Made from high conductivity annealed Copper
- Crimped with CABAC and MSS Power standard tooling and dies
- Complies with AS4325.1



Part No.	Nominal Conductor (mm ²)	Stranding No.	ID Size (mm)	A (mm)	D (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
CAS1.5	1.5	7/0.50	1.8	22	11	-	1	K26	BOX	100
CAS2.5	2.5	7/0.67	2.4	22	11	-	1	K26	BOX	100
CAS4	4	7/0.85	3.1	22	11	-	1	K26	BOX	100
CAS6	6	7/1.04	3.8	22	11	4.4	1	K06	BOX	100
CAS10	10	7/1.35	4.7	22	11	5.7	1	K06	BOX	100
CAS16	16	7/1.70	5.5	44	22	6.3	1	HT130-C-16	BOX	100
CAS25	25	19/1.35	7.1	48	24	7.7	1	HT130-C-25	BOX	50
CAS35	35	19/1.53	8.2	48	24	9.2	1	HT130-C-35	BOX	50
CAS50	50	19/1.78	9.5	48	24	10.4	1	HT130-C-50	BOX	50
CAS70	70	19/2.14	11.2	52	26	11.5	1	HT130-C-70	BOX	25
CAS95	95	37/1.78	13.4	54	27	14.2	1	HT130-C-95	EA	1
CAS120	120	37/2.03	15.6	66	33	16.5	1 for round, 2 for compact	HT130-C-120	EA	1
CAS150	150	37/2.25	16.7	66	33	18.3	1 for round, 2 for compact	HT130-C-150	EA	1
CAS185	185	37/2.52	18.4	66	33	20	1 for round, 2 for compact	HT130-C-185	EA	1
CAS240	240	61/2.25	21.2	91	45	23.1	3	HT130-C-240	EA	1
CAS300	300	61/2.52	23.5	91	45	26	3	HT130-C-300	EA	1
CAS400	400	61/2.85	26.8	91	45	28.1	3	ECW-H3D-400	EA	1
CAS500	500	61/3.20	30	112	56	31	3	ECW-H3D-500	EA	1
CAS630	630	127/2.52	34	112	56	37	4	ECW-H3D-630	EA	1

LUGS AND LINKS

CU SLEEVE KITS



- Made from high conductivity annealed Copper
- Crimped with CABAC and MSS Power standard tooling and dies
- Complies with AS4325.1



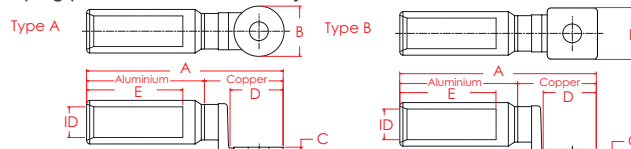
Part No.	Description	Unit	Qty
CAS2.5/K	COPPER SLEEVE CAS2.5 KIT OF 10	KIT	1
CAS4/K	COPPER SLEEVE CAS4 KIT OF 10	KIT	1
CAS6/K	COPPER SLEEVE CAS6 KIT OF 10	KIT	1
CAS10/K	COPPER SLEEVE CAS10 KIT OF 7	KIT	1
CAS16/K	COPPER SLEEVE CAS16 KIT OF 5	KIT	1
CAS25/K	COPPER SLEEVE CAS25 KIT OF 3	KIT	1
CAS35/K	COPPER SLEEVE CAS35 KIT OF 3	KIT	1
CAS50/K	COPPER SLEEVE CAS50 KIT OF 2	KIT	1
CAS70/K	COPPER SLEEVE CAS70 KIT OF 2	KIT	1

BI-METAL CRIMP LUGS AND LINKS

BI-METAL CRIMPS



- Manufactured using friction welding process producing a very strong electrically sound joint
- Suitable for aluminium conductor and copper terminals or busbar
- Crimp from palm end to force compound into conductor strands
- Crimping compound in barrel and sealed with cap
- Crimping positions, AF, etc. clearly marked on barrel



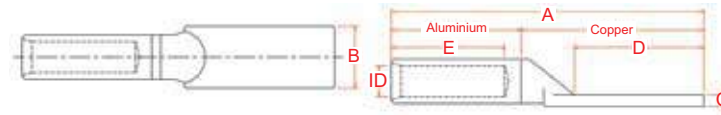
Part No.	Nominal Conductor (mm ²)	Stranding No.	ID Size	Stud Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Type	Palm Style	Unit	Qty
BL16	16	7/1.04	5.5	-	75	20	4	22	20	9	1	HT-6/35AL	A	ROUND	EA	1
BL25-10	25	19/1.35	7.5	10	75	20	4	22	20	9	1	HT-6/35AL	A	ROUND	EA	1
BL25-12	25	19/1.35	7.5	12	75	20	4	22	20	9	1	HT-6/35AL	A	ROUND	EA	1
BL35-10	35	19/1.53	8.5	10	75	20	4	22	20	9	1	HT-6/35AL	A	ROUND	EA	1
BL35-12	35	19/1.53	8.5	12	75	20	4	22	20	9	1	HT-6/35AL	A	ROUND	EA	1
BL50-10	50	19/1.78	9.5	10	75	24	5	26.5	24	13.2	1	HT-50/70AL	A	ROUND	EA	1
BL50-12	50	19/1.78	9.5	12	75	24	5	26.5	24	13.2	1	HT-50/70AL	A	ROUND	EA	1
BL70-10	70	19/2.14	11.5	10	75	24	5	26.5	24	13.2	1	HT-50/70AL	A	ROUND	EA	1
BL70-12	70	19/2.14	11.5	12	75	24	5	26.5	24	13.2	1	HT-50/70AL	A	ROUND	EA	1
BL95-10	95	37/1.78	13.5	10	115	24	5	26.5	24	17.3	2	HT-95/120AL	A	ROUND	EA	1
BL95-12	95	37/1.78	13.5	12	115	24	5	26.5	24	17.3	2	HT-95/120AL	A	ROUND	EA	1
BL120-10	120	37/2.03	15.5	10	115	30	6	32.5	30	17.3	2	HT-95/120AL	A	ROUND	EA	1
BL120-12	120	37/2.03	15.5	12	115	30	6	32.5	30	17.3	2	HT-95/120AL	A	ROUND	EA	1
BL150-10	150	37/2.25	16.5	10	120	30	6	32.5	30	22	2	HT-150/185AL	A	ROUND	EA	1
BL150-12	150	37/2.25	16.5	12	120	30	6	32.5	30	22	2	HT-150/185AL	A	ROUND	EA	1
BL185-10	185	37/2.52	18.5	10	120	35	7	37	35	22	2	HT-150/185AL	A	ROUND	EA	1
BL185-12	185	37/2.52	18.5	12	120	35	7	37	35	22	2	HT-150/185AL	A	ROUND	EA	1
BL240-10	240	61/2.25	22	10	135	35	7	37	35	28.4	2	HT-240/300AL	A	ROUND	EA	1
BL240-12	240	61/2.25	22	12	135	35	7	37	35	28.4	2	HT-240/300AL	A	ROUND	EA	1
BL300	300	61/2.52	23.5	-	135	36	7.5	38	36	28.4	2	HT-240/300AL	A	ROUND	EA	1
BL300-10	300	61/2.52	23.5	10	135	36	7.5	38	36	28.4	2	HT-240/300AL	A	ROUND	EA	1
BL300-12	300	61/2.52	23.5	12	135	36	7.5	38	36	28.4	2	HT-240/300AL	A	ROUND	EA	1
BL400	400	61/2.85	26.5	-	160	50	10.5	53	50	39	2	ECW-H3D-4/500AL	B	SQUARE	EA	1
BL400-10	400	61/2.85	26.5	10	160	50	10.5	53	50	39	2	ECW-H3D-4/500AL	B	SQUARE	EA	1
BL400-12	400	61/2.85	26.5	12	160	50	10.5	53	50	39	2	ECW-H3D-4/500AL	B	SQUARE	EA	1
BL500	500	61/3.20	30	-	160	50	10.5	53	50	39	2	ECW-H3D-4/500AL	B	SQUARE	EA	1
BL500-10	500	61/3.20	30	10	160	50	10.5	53	50	39	2	ECW-H3D-4/500AL	B	SQUARE	EA	1
BL500-12	500	61/3.20	30	12	160	50	10.5	53	50	39	2	ECW-H3D-4/500AL	B	SQUARE	EA	1
BL500-16	500	61/3.20	30	16	160	50	10.5	53	50	39	2	ECW-H3D-4/500AL	B	SQUARE	EA	1
BL630	630	127/2.52	34	-	175	60	10.5	65	60	43.2	2	RHU520-800	B	SQUARE	EA	1
BL630-12	630	127/2.52	34	12	175	60	10.5	65	60	43.2	2	RHU520-800	B	SQUARE	EA	1
BL800	800	127/2.85	39	-	230	50	10.5	65	50	43.2	4 side by side	RHU520-800	A or B	SQUARE or ROUND	EA	1

BI-METAL LONG PALM LONG BARREL LUGS

BI-METAL LONG PALM LONG BARREL LUG



- Manufactured using friction welding process producing a very strong electrically sound joint
- Compound reduces contact resistance and inhibits corrosion
- Crimp from palm end to force compound into conductor strands
- Suitable for CCT cable installations



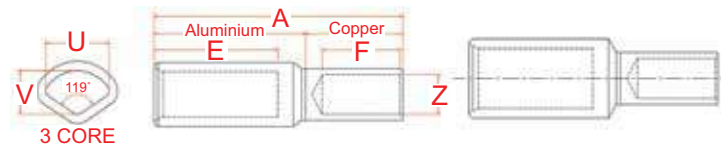
Part No.	Nominal Conductor (mm ²)	Stranding No.	ID Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
BL40LPB	40	7/2.25	9.5	191	22	4.5	140	32	132	1	HT-50/70AL	EA	1
BL80LPB	80	7/3.75	13.5	246	27	6	140	85	17.3	3	HT-95/120AL	EA	1
BL120LPB	120	7/4.75	15.5	246	29	6	140	85	17.3	3	HT-95/120AL	EA	1
BL180LPB	180	19/3.5	18.5	248	35	7	140	85	22	3	HT-150/185AL	EA	1
BL240LPB	240	19/4.01	22	256	35	7	140	85	28.4	3	HT-240/300AL	EA	1

BI-METAL SOLID SECTOR LUGS AND LINKS

BI-METAL 3 CORE SOLID SECTOR TO STRANDED COPPER



- Manufactured using friction welding process producing a very strong electrically sound joint, which will not be subject to electrolysis
- Link solid/standard sector Al cable to circular Cu cable
- Crimp with V shaped nest die & 13 tonne or larger indenter tool
- Conforms to Australian and many international standards



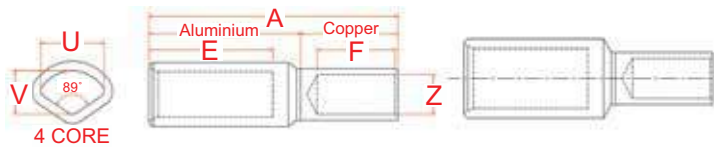
Part No.	Al/Cu Nominal Conduc (mm ²)	A (mm)	E (mm)	F (mm)	U (mm)	V (mm)	Z (mm)	Crimp Die Nest	Crimp Die Al Indent	Al No. Crimps	Copper Crimp Die	Copper A/F Hex Die	Copper No. Crimps	Unit	Qty
BLKS70/3/16	70/16	92	47	24	13.8	8.1	5.5	A12	A14	3	HT130-C-16	6.3	1	EA	1
BLKS70/3/25	70/25	92	47	24	13.8	8.1	7.5	A12	A14	3	HT130-C-25	7.7	1	EA	1
BLKS70-3-50	70/50	92	47	24	13.8	8.1	9.5	A12	A14	3	HT130-C-50	10.4	1	EA	1
BLKS70/3/70	70/70	92	47	24	13.8	8.1	11.5	A12	A14	3	HT130-C-70	11.5	1	EA	1
BLKS95/3/70	95/70	106	50	32	16.2	9.5	11.5	A12	A15	3	HT130-C-70	11.5	1	EA	1
BLKS120/3/70	120/70	106	52	32	18.1	10.6	11.5	A12	A16	3	HT130-C-70	11.5	1	EA	1
BLKS120/3/95	120/95	106	52	32	18.1	10.6	13.5	A12	A16	3	HT130-C-95	14.2	1	EA	1
BLKS150/3/150	150/150	121	56	40	20.1	11.8	16.5	A12	A17	3	HT130-C-150	18.3	1	EA	1
BLKS185/3/185	185/185	127	60	40	22.5	13.2	18.5	A12	A18	3	HT130-C-185	20	1	EA	1
BLKS240/3/150	240/150	132	63	40	25.8	15.2	16.5	A12	A19	3	HT130-C-150	18.3	1	EA	1
BLKS240/3/185	240/185	132	63	40	25.8	15.2	18.5	A12	A19	3	HT130-C-185	20	1	EA	1
BLKS240/3/240	240/240	132	63	40	25.8	15.2	21.5	A12	A19	3	HT130-C-240	23.1	2	EA	1

LUGS AND LINKS

BI-METAL 4 CORE SOLID SECTOR TO STRANDED COPPER



- Manufactured using friction welding process producing a very strong electrically sound joint, which will not be subject to electrolysis
- Link solid/standard sector Al cable to circular Cu cable
- Crimp with V shaped nest die and 13 tonne or larger indenter tool
- Conforms to Australian and many international standards

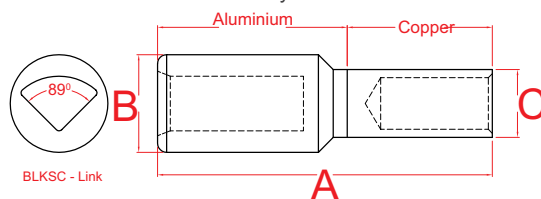


Part No.	Al/Cu Nominal Conduc (mm ²)	A (mm)	E (mm)	F (mm)	U (mm)	V (mm)	Z (mm)	Crimp Die Al Nest	Crimp Die Al Indent	Al No. Crimps	Copper Crimp Die	Copper A/F Hex Die	Copper No. Crimps	Unit	Qty
BLKS120/4/16	120/16	106	52	32	17.1	12.2	5.5	A14	A16	3	HT130-C-16	6.3	1	EA	1
BLKS120/4/25	120/25	106	52	32	17.1	12.2	7.5	A14	A16	3	HT130-C-25	7.7	1	EA	1
BLKS120/4/35	120/35	106	52	32	17.1	12.2	8.5	A14	A16	3	HT130-C-35	9.2	1	EA	1
BLKS120/4/50	120/50	106	52	32	17.1	12.2	9.5	A14	A16	3	HT130-C-50	10.4	1	EA	1
BLKS120/4/70	120/70	106	52	32	17.1	12.2	11.5	A14	A16	3	HT130-C-70	11.5	1	EA	1
BLKS120/4/120	120/120	106	52	32	17.1	12.2	15.5	A14	A16	3	HT130-C-120	16.5	1	EA	1
BLKS185/4/50	185/50	127	60	40	21.1	15.1	9.5	A15	A18	3	HT130-C-50	10.4	1	EA	1
BLKS185/4/70	185/70	127	60	40	21.1	15.1	11.5	A15	A18	3	HT130-C-70	11.5	1	EA	1
BLKS185/4/95	185/95	127	60	40	21.1	15.1	13.5	A15	A18	3	HT130-C-95	14.2	1	EA	1
BLKS185/4/120	185/120	127	60	40	21.1	15.1	15.5	A15	A18	3	HT130-C-120	16.5	1	EA	1
BLKS185/4/150	185/150	127	60	40	21.1	15.1	16.5	A15	A18	3	HT130-C-150	18.3	1	EA	1
BLKS185/4/185	185/185	127	60	40	21.1	15.1	18.5	A15	A18	3	HT130-C-185	20	1	EA	1
BLKS240/4/25	240/25	132	63	40	24	17.6	7.5	A15	A19	3	HT130-C-25	7.7	1	EA	1
BLKS240/4/35	240/35	132	63	40	24	17.6	8.5	A15	A19	3	HT130-C-35	9.2	1	EA	1
BLKS240/4/50	240/50	132	63	40	24	17.6	9.5	A15	A19	3	HT130-C-50	10.4	1	EA	1
BLKS240/4/70	240/70	132	63	40	24	17.6	11.5	A15	A19	3	HT130-C-70	11.5	1	EA	1
BLKS240/4/95	240/95	132	63	40	24	17.6	13.5	A15	A19	3	HT130-C-95	14.2	1	EA	1
BLKS240/4/120	240/120	132	63	40	24	17.6	15.5	A15	A19	3	HT130-C-120	16.5	1	EA	1
BLKS240/4/150	240/150	132	63	40	24	17.6	16.5	A15	A19	3	HT130-C-150	18.3	1	EA	1
BLKS240/4/240	240/240	132	63	40	24	17.6	21.5	A15	A19	3	HT130-C-240	23.1	2	EA	1

BI-METAL 4 CORE ROUND BARREL LINKS



- Manufactured using friction welding process producing a very strong electrically sound joint.
- Designed to joint four core solid sector Aluminium conductors
- Crimp with hex dies
- Conforms to Australian and many international standards

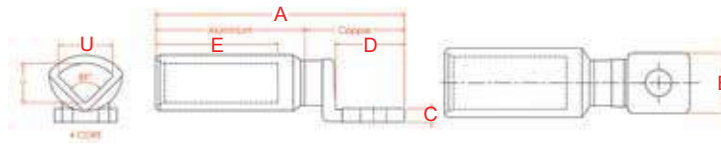


Part No.	AL End Solid Sector (mm ²)	A (mm)	E (mm)	F (mm)	U (mm)	V (mm)	AL Crimp	Lrg Barrel A/F Hex (mm)	Cu End Stranded Cond (mm ²)	Copper Crimp Die	Sml Barrel A/F Hex (mm)	Unit	Qty
BLKSC185/4/120	185 SECTOR 4 CORE	120	60	40	22.5	16.5	HT-150/185AL	22	120	HT130-C-120	16.5	EA	1
BLKSC185/4/150	185 SECTOR 4 CORE	120	60	40	22.5	16.5	HT-150/185AL	22	150	HT130-C-150	18.3	EA	1
BLKSC240/4/120	240 SECTOR 4 CORE	120	60	40	26.5	19.5	HT-240/300AL	28.4	120	HT130-C-120	16.5	EA	1
BLKSC240/4/150	240 SECTOR 4 CORE	120	60	40	26.5	19.5	HT-240/300AL	28.4	150	HT130-C-150	18.3	EA	1

BI-METAL 4 CORE SECTOR LUGS



- Manufactured using friction welding process producing a very strong electrically sound joint
- Designed to terminate a solid aluminium, 4 core conductor
- Crimp with V shaped nest die and 13 tonne or larger indenter tool

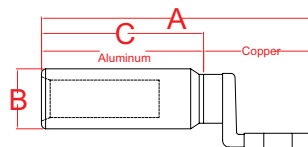


Part No.	Nominal Conductor (mm ²)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	U (mm)	V (mm)	Crimp Die Nest	Crimp Die Indent	No. Crimps	Unit	Qty
BLS120/4-12	120	12	112	32	6	34	52	17.1	12.2	A14	A16	3	EA	1
BLS185/4-12	185	12	127	36	7	38	60	21.1	15.1	A15	A18	3	EA	1
BLS240/4-12	240	12	140	32	8	38	63	24	17.6	A15	A19	3	EA	1

BI-METAL 4 CORE ROUND BARREL LUGS



- Manufactured using friction welding process producing a very strong electrically sound joint
- Designed to terminate a solid sector aluminium conductor.
- Crimp standard with hex dies



Part No.	AL End Solid Sector (mm ²)	A (mm)	D (mm)	E (mm)	U (mm)	V (mm)	Aluminium Crimp	Unit	Qty
BLSC185/4-12	185 SECTOR 4 CORE	125	37	60	22.5	16.5	HT-150/185AL	EA	1
BLSC240/4-12	240 SECTOR 4 CORE	130	37	60	25.6	19.5	HT-240/300AL	EA	1

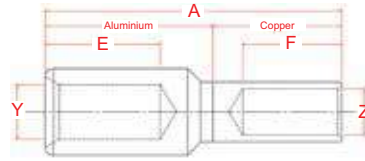
LUGS AND LINKS

BI-METAL REDUCING LINKS

6MM-120MM BI-METAL REDUCING LINKS



- Manufactured using friction welding process producing a very strong electrically sound joint
- Link circular or sector stranded Al cable to circular Cu cable
- Designed to be crimped with CABAC and MSS Power tools and dies
- Crimp with standard hex dies

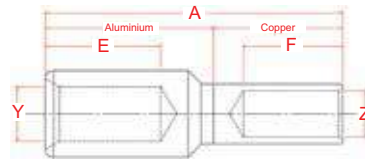


Part No.	Al/Cu Nominal Conductor (mm ²)	Stranding No.	Al Stranding (mm ²)	A (mm)	E (mm)	F (mm)	Y (mm)	Z (mm)	Alum Crimp Die	Alum A/F Hex Die (mm ²)	AlNo. Crimps	Copper Crimp Die	Copper A/F Hex Die (mm ²)	No. Crimps	Unit	Qty
BLK6/4	6/4	7/0.85	7/1.04	70	32	21	3.5	3	HT-6/35AL	9	1	K25	-	1	EA	1
BLK6/6	6/6	7/1.04	7/1.04	70	32	21	3.5	3.5	HT-6/35AL	9	1	K06	4.4	1	EA	1
BLK10/6	10/6	7/1.04	7/1.04	70	32	21	4.5	3.5	HT-6/35AL	9	1	K06	4.4	1	EA	1
BLK10/10	10/10	7/1.35	7/1.04	70	32	21	4.5	4.5	HT-6/35AL	9	1	K06	5.7	1	EA	1
BLK16/10	16/10	7/1.35	7/1.04	70	32	21	5.5	4.5	HT-6/35AL	9	1	K06	5.7	1	EA	1
BLK16/16	16/16	7/1.70	7/1.04	70	32	21	5.5	5.5	HT-6/35AL	9	1	HT130-C-16	6.3	1	EA	1
BLK25/6	25/6	7/1.04	19/1.35	70	32	21	7.5	3.5	HT-6/35AL	9	1	K06	4.4	1	EA	1
BLK25/10	25/10	7/1.35	19/1.35	70	32	21	7.5	4.5	HT-6/35AL	9	1	K06	5.7	1	EA	1
BLK25/16	25/16	7/1.70	19/1.35	70	32	21	7.5	5.5	HT-6/35AL	9	1	HT130-C-16	6.3	1	EA	1
BLK25/25	25/25	19/1.35	19/1.35	70	32	21	7.5	7.5	HT-6/35AL	9	1	HT130-C-25	7.7	1	EA	1
BLK35/10	35/10	7/1.35	19/1.53	70	32	21	8.5	4.5	HT-6/35AL	9	1	K06	5.7	1	EA	1
BLK35/16	35/16	7/1.70	19/1.53	70	32	21	8.5	5.5	HT-6/35AL	9	1	HT130-C-16	6.3	1	EA	1
BLK35/25	35/25	19/1.35	19/1.53	70	32	21	8.5	7.5	HT-6/35AL	9	1	HT130-C-25	7.7	1	EA	1
BLK35/35	35/35	19/1.53	19/1.53	70	32	21	8.5	8.5	HT-6/35AL	9	1	HT130-C-35	9.2	1	EA	1
BLK50/6	50/6	7/1.04	19/1.78	70	32	24	9.5	3.5	HT-50/70AL	13.2	1	K06	4.4	1	EA	1
BLK50/10	50/10	7/1.35	19/1.78	70	32	24	9.5	4.7	HT-50/70AL	13.2	1	K06	5.7	1	EA	1
BLK50/16	50/16	7/1.70	19/1.78	70	32	24	9.5	5.5	HT-50/70AL	13.2	1	HT130-C-16	6.3	1	EA	1
BLK50/25	50/25	19/1.35	19/1.78	70	32	24	9.5	7.1	HT-50/70AL	13.2	1	HT130-C-25	7.7	1	EA	1
BLK50/35	50/35	19/1.53	19/1.78	70	32	24	9.5	8.2	HT-50/70AL	13.2	1	HT130-C-35	9.2	1	EA	1
BLK50/50	50/50	19/1.78	19/1.78	70	32	24	9.5	9.5	HT-50/70AL	13.2	1	HT130-C-50	10.4	1	EA	1
BLK70/16	70/16	7/1.70	19/2.14	70	32	24	11.5	5.5	HT-50/70AL	13.2	1	HT130-C-16	6.3	1	EA	1
BLK70/25	70/25	19/1.35	19/2.14	70	32	24	11.5	7.1	HT-50/70AL	13.2	1	HT130-C-25	7.7	1	EA	1
BLK70/35	70/35	19/1.53	19/2.14	70	32	24	11.5	8.2	HT-50/70AL	13.2	1	HT130-C-35	9.2	1	EA	1
BLK70/50	70/50	19/1.78	19/2.14	70	32	24	11.5	9.5	HT-50/70AL	13.2	1	HT130-C-50	10.4	1	EA	1
BLK70/70	70/70	19/2.14	19/2.14	70	32	24	11.5	11.2	HT-50/70AL	13.2	1	HT130-C-70	11.5	1	EA	1
BLK95/10	95/10	7/1.35	37/1.78	110	60	24	13.5	4.7	HT-95/120AL	17.3	2	HT130-C-10, K26, K06	5.7	1	EA	1
BLK95/16	95/16	7/1.70	37/1.78	110	60	32	13.5	5.5	HT-95/120AL	17.3	2	HT130-C-16	6.3	1	EA	1
BLK95/25	95/25	19/1.35	37/1.78	110	60	32	13.5	7.1	HT-95/120AL	17.3	2	HT130-C-25	7.7	1	EA	1
BLK95/35	95/35	19/1.53	37/1.78	110	60	32	13.5	8.2	HT-95/120AL	17.3	2	HT130-C-35	9.2	1	EA	1
BLK95/50	95/50	19/1.78	37/1.78	110	60	32	13.5	9.5	HT-95/120AL	17.3	2	HT130-C-50	10.4	1	EA	1
BLK95/70	95/70	19/2.14	37/1.78	110	60	32	13.5	11.5	HT-95/120AL	17.3	2	HT130-C-70	11.5	1	EA	1
BLK95/95	95/95	37/1.78	37/1.78	110	60	32	13.5	13.5	HT-95/120AL	17.3	2	HT130-C-95	14.2	1	EA	1
BLK120/16	120/16	7/1.70	37/2.03	110	60	24	15.5	5.5	HT-95/120AL	17.3	2	HT130-C-16	6.3	1	EA	1
BLK120/25	120/25	19/1.35	37/2.03	110	60	24	15.5	7.1	HT-95/120AL	17.3	2	HT130-C-25	7.7	1	EA	1
BLK120/35	120/35	37/1.53	37/2.03	110	60	32	15.5	8.2	HT-95/120AL	17.3	2	HT130-C-35	9.2	1	EA	1
BLK120/50	120/50	19/1.78	37/2.03	110	60	32	15.5	9.5	HT-95/120AL	17.3	2	HT130-C-50	10.4	1	EA	1
BLK120/70	120/70	19/2.14	37/2.03	110	60	32	15.5	11.2	HT-95/120AL	17.3	2	HT130-C-70	11.5	1	EA	1
BLK120/95	120/95	37/1.78	37/2.03	110	60	32	15.5	13.4	HT-95/120AL	17.3	2	HT130-C-95	14.2	1	EA	1
BLK120/120	120/120	37/2.03	37/2.03	110	60	32	15.5	15.5	HT-95/120AL	17.3	2	HT130-C-120	16.5	1	EA	1

150MM-630MM BI-METAL REDUCING LINKS



- Manufactured using friction welding process producing a very strong electrically sound joint, which will not be subject to electrolysis
- Link circular or sector stranded Al cable to circular Cu cable
- Designed to be crimped with CABAC and MSS Power tools and dies
- Crimp with standard hex dies



Part No.	Al/Cu Nominal Conductor (mm ²)	Strand No.	Al Strand	A (mm)	E (mm)	F (mm)	Y (mm)	Z (mm)	Alum Crimp Die	Alum A/F Hex Die (mm ²)	Al No. Crimp	Copper Crimp Die	Copper A/F Hex Die (mm ²)	No. Crimp	Unit	Qty
BLK150/16	150/16	7/1.70	37/2.25	120	60	32	16.5	5.5	HT-150/185AL	22	2	HT130-C-16	6.3	1	EA	1
BLK150/25	150/25	19/1.35	37/2.25	120	60	32	16.5	7.1	HT-150/185AL	22	2	HT130-C-25	7.7	1	EA	1
BLK150/35	150/35	37/1.53	37/2.25	120	60	32	16.5	8.2	HT-150/185AL	22	2	HT130-C-35	9.2	1	EA	1
BLK150/50	150/50	19/1.78	37/2.25	120	60	40	16.5	9.5	HT-150/185AL	22	2	HT130-C-50	10.4	1	EA	1
BLK150/70	150/70	19/2.14	37/2.25	120	60	40	16.5	11.2	HT-150/185AL	22	2	HT130-C-70	11.5	1	EA	1
BLK150/95	150/95	37/1.78	37/2.25	120	60	40	16.5	13.4	HT-150/185AL	22	2	HT130-C-95	14.2	1	EA	1
BLK150/120	150/120	37/2.03	37/2.25	120	60	40	16.5	15.5	HT-150/185AL	22	2	HT130-C-120	16.5	2	EA	1
BLK150/150	150/150	37/2.25	37/2.25	120	60	40	16.5	16.5	HT-150/185AL	22	2	HT130-C-150	18.3	2	EA	1
BLK185/16	185/16	7/1.70	37/2.25	120	60	40	18.5	5.5	HT-150/185AL	22	2	HT130-C-16	6.3	1	EA	1
BLK185/25	185/25	19/1.35	37/2.25	120	60	40	18.5	7.1	HT-150/185AL	22	2	HT130-C-25	7.7	1	EA	1
BLK185/35	185/35	19/1.53	37/2.25	120	60	40	18.5	8.2	HT-150/185AL	22	2	HT130-C-35	9.2	1	EA	1
BLK185/50	185/50	19/1.78	37/2.25	120	60	40	18.5	9.5	HT-150/185AL	22	2	HT130-C-50	10.4	1	EA	1
BLK185/70	185/70	19/2.14	37/2.25	120	60	40	18.5	11.2	HT-150/185AL	22	2	HT130-C-70	11.5	1	EA	1
BLK185/95	185/95	37/1.78	37/2.25	120	60	40	18.5	13.4	HT-150/185AL	22	2	HT130-C-95	14.2	1	EA	1
BLK185/120	185/120	37/2.03	37/2.25	120	60	40	18.5	15.5	HT-150/185AL	22	2	HT130-C-120	16.5	2	EA	1
BLK185/150	185/150	37/2.25	37/2.25	120	60	40	18.5	16.7	HT-150/185AL	22	2	HT130-C-150	18.3	2	EA	1
BLK185/185	185/185	37/2.52	37/2.25	120	60	40	18.5	18.5	HT-150/185AL	22	2	HT130-C-185	20	2	EA	1
BLK240/16	240/16	7/1.70	61/2.25	120	60	40	22	5.5	HT-240/300AL	28.4	2	HT130-C-16	6.3	1	EA	1
BLK240/25	240/25	7/2.14	61/2.25	120	60	40	22	7.1	HT-240/300AL	28.4	2	HT130-C-25	7.7	1	EA	1
BLK240/50	240/50	19/1.78	61/2.25	120	60	40	22	9.5	HT-240/300AL	28.4	2	HT130-C-50	10.4	1	EA	1
BLK240/70	240/70	19/2.14	61/2.25	120	60	40	22	11.2	HT-240/300AL	28.4	2	HT130-C-70	11.5	1	EA	1
BLK240/95	240/95	19/2.52	61/2.25	120	60	40	22	13.4	HT-240/300AL	28.4	2	HT130-C-95	14.2	1	EA	1
BLK240/120	240/120	37/2.03	61/2.25	120	60	40	22	15.6	HT-240/300AL	28.4	2	HT130-C-120	16.5	2	EA	1
BLK240/150	240/150	37/2.25	61/2.25	120	60	40	22	16.5	HT-240/300AL	28.4	2	HT130-C-150	18.3	2	EA	1
BLK240/185	240/185	37/2.52	61/2.25	120	60	40	22	18.5	HT-240/300AL	28.4	2	HT130-C-185	20	2	EA	1
BLK240/240	240/240	61/2.25	61/2.25	120	60	40	22	21.5	HT-240/300AL	28.4	2	HT130-C-240	23.1	3	EA	1
BLK300/25	300/25	7/2.14	61/2.52	120	60	40	23.5	7.1	HT-240/300AL	28.4	2	HT130-C-25	7.7	1	EA	1
BLK300/70	300/70	19/2.14	61/2.52	120	60	40	23.5	11.2	HT-240/300AL	28.4	2	HT130-C-70	11.5	1	EA	1
BLK300/95	300/95	19/2.52	61/2.52	120	60	40	23.5	13.4	HT-240/300AL	28.4	2	HT130-C-95	14.2	1	EA	1
BLK300/120	300/120	37/2.03	61/2.52	120	60	40	23.5	15.5	HT-240/300AL	28.4	2	HT130-C-120	16.5	2	EA	1
BLK300/150	300/150	37/2.25	61/2.52	120	60	40	23.5	16.5	HT-240/300AL	28.4	2	HT130-C-150	18.3	2	EA	1
BLK300/185	300/185	37/2.52	61/2.52	120	60	40	23.5	18.5	HT-240/300AL	28.4	2	HT130-C-185	20	2	EA	1
BLK300/240	300/240	61/2.25	61/2.52	120	60	40	23.5	21.5	HT-240/300AL	28.4	2	HT130-C-240	23.1	3	EA	1
BLK300/300	300/300	61/2.52	61/2.52	120	60	40	23.5	23.5	HT-240/300AL	28.4	2	HT130-C-300	26	3	EA	1
BLK400/300	400/300	61/2.52	61/2.85	155	70	55	26.5	23.5	ECW-H3D4/500AL	39	2	ECW-H3D-300	26	3	EA	1
BLK400/400	400/400	61/2.85	61/2.85	155	70	55	26.5	26.5	ECW-H3D4/500AL	39	2	ECW-H3D-400	28.1	3 overlap	EA	1
BLK500/400	500/400	61/2.85	61/3.20	155	70	55	30	26.5	ECW-H3D4/500AL	39	2	ECW-H3D-400	28.1	3 overlap	EA	1
BLK500/500	500/500	61/3.20	61/3.20	155	70	55	30	30	ECW-H3D4/500AL	39	2	ECW-H3D-500	31	3 overlap	EA	1
BLK630/400	630/400	61/2.85	127/2.52	160	70	56	34	26.5	RHU520-800	43.2	2	ECW-H3D-400	28.1	3	EA	1
BLK630/500	630/500	61/3.20	127/2.52	160	70	56	34	30	RHU520-800	43.2	2	ECW-H3D-500	31	3	EA	1
BLK630/630	630/630	127/2.52	127/2.52	160	70	56	34	34	RHU520-800	43.2	2	ECW-H3D-630	37	4 overlap	EA	1

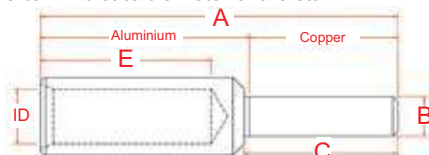
LUGS AND LINKS

BI-METAL STALK LUGS

BI-METAL STALK LUGS



- Stalk lugs are generally used to attach Aluminium cable to a Copper overhead conductor
- Suitable for electrical equipment with clamp terminals
- Crimped with CABAC/MSS Power standard tooling and Aluminium dies
- The first digits after BS indicate conductor size
- The last digits after / indicate diameter of the stalk



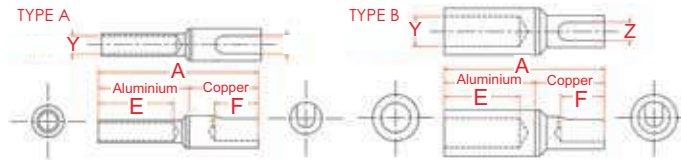
Part No.	Nominal Conductor (mm ²)	Stranding No.	ID Size	A (mm)	B (mm)	C (mm)	E (mm)	Aluminium Crimp Die	A/F Hex Die (mm)	No. Crimps	Unit	Qty
BS6/12	6	7/1.04	3.5	70	12	28	32	HT-6/35AL	9	1	EA	1
BS10/12	10	7/1.35	4.5	70	12	28	32	HT-6/35AL	9	1	EA	1
BS16/12	16	7/1.70	5.5	70	12	28	32	HT-6/35AL	9	1	EA	1
BS25/6	25	19/1.35	7.5	70	6	28	32	HT-6/35AL	9	1	EA	1
BS25/12	25	19/1.35	7.5	70	12	28	32	HT-6/35AL	9	1	EA	1
BS35/12	35	19/1.53	8.5	70	12	28	32	HT-6/35AL	9	1	EA	1
BS50/12	50	19/1.78	9.5	70	12	28	32	HT-50/70AL	13.2	1	EA	1
BS70/12	70	19/2.14	11.5	70	12	28	32	HT-50/70AL	13.2	1	EA	1
BS95/12	95	37/1.78	13.5	110	12	37	60	HT-95/120AL	17.3	2	EA	1
BS120/12	120	37/2.03	15.5	110	12	37	60	HT-95/120AL	17.3	2	EA	1
BS120/14	120	37/2.03	15.5	110	14	37	60	HT-95/120AL	17.3	2	EA	1
BS150/12	150	37/2.25	16.5	120	12	45	60	HT-150/185AL	22	2	EA	1
BS150/14	150	37/2.25	16.5	120	14	45	60	HT-150/185AL	22	2	EA	1
BS185/16	185	37/2.52	18.5	120	16	45	60	HT-150/185AL	22	2	EA	1
BS185/18	185	37/2.52	18.5	120	18	45	60	HT-150/185AL	22	2	EA	1
BS240/16	240	61/2.25	22	120	16	45	60	HT-240/300AL	28.4	2	EA	1
BS240/18	240	61/2.25	22	120	18	45	60	HT-240/300AL	28.4	2	EA	1
BS300/16	300	61/2.52	23.5	120	16	45	60	HT-240/300AL	28.4	2	EA	1
BS300/18	300	61/2.52	23.5	120	18	45	60	HT-240/300AL	28.4	2	EA	1
BS400/18	400	61/2.85	26.5	155	18	65	70	ECW-H3D4/500AL	39	2	EA	1
BS400/20	400	61/2.85	26.5	155	20	65	70	ECW-H3D4/500AL	39	2	EA	1
BS500/18	500	61/3.20	30	155	18	65	70	ECW-H3D4/500AL	39	2	EA	1
BS500/20	500	61/3.20	30	155	20	65	70	ECW-H3D4/500AL	39	2	EA	1
BS630/20	630	127/2.52	34	160	20	65	70	RHU520-800	43.2	2	EA	1

BI-METAL SWITCHGEAR CONNECTORS

BI-METAL SWITCHGEAR CONNECTORS



- Designed for terminating Aluminium conductors onto a 12mm Copper switch stem
- Lug is friction welded from the highest quality Aluminium
- Clamping collar made from zinc-plated steel
- Conforms to Australian and many international standards



Part No.	Nominal Conductor (mm ²)	Stranding No.	Switchgear Stem Dia.	Type	A (mm)	E (mm)	F (mm)	Y (mm)	Z (mm)	A/F Hex Die (mm)	Crimp Die	No. Crimps	Unit	Qty
BSC16/12K	16	7/1.70	12	A	85	32	32	5.5	12.5	9	HT-6/35AL	1	EA	1
BSC25/12K	25	19/1.35	12	A	85	32	32	7.5	12.5	9	HT-6/35AL	1	EA	1
BSC35/12K	35	19/1.53	12	A	85	32	32	8.5	12.5	9	HT-6/35AL	1	EA	1
BSC50/12K	50	19/1.78	12	A	85	32	32	9.5	12.5	13.2	HT-50/70AL	1	EA	1
BSC70/12K	70	19/2.14	12	A	85	32	32	11.5	12.5	13.2	HT-50/70AL	1	EA	1
BSC95/12K	95	37/1.78	12	A	110	60	32	13.5	12.5	17.3	HT-95/120AL	1	EA	1
BSC120/12K	120	37/2.03	12	A	110	60	32	15.5	12.5	17.3	HT-95/120AL	1	EA	1
BSC150/12K	150	37/2.25	12	B	120	60	32	16.5	12.5	22	HT-150/185AL	1	EA	1
BSC185/12K	185	37/2.52	12	B	120	60	32	18.5	12.5	22	HT-150/185AL	1	EA	1
BSC240/12K	240	61/2.25	12	B	120	60	32	22	12.5	28.4	HT-240/300AL	1	EA	1
BSC300/12K	300	61/2.52	12	B	120	60	32	23.5	12.5	28.4	HT-240/300AL	1	EA	1

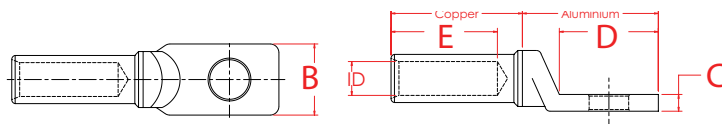
LUGS AND LINKS

REVERSE BI-METAL LUGS

REVERSE BI-METAL LUGS



- Designed for Bi-Metal applications where it is necessary for the lug palm to be Aluminium and the barrel to be Copper
- Reduction of contact resistance and inhibits corrosion
- Designed to be crimped with CABAC and MSS Power tools and dies
- Conforms to Australian and many international standards



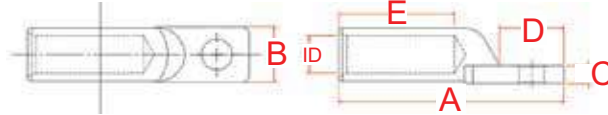
Part No.	Nominal Conductor (mm ²)	ID Size (mm)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
RBL25-10	25	7.4	10	65	22	5	22	21	7.7	1	HT130-C-25	EA	1
RBL25-12	65	7.4	12	65	22	5	22	21	7.7	1	HT130-C-25	EA	1
RBL35-10	35	8.5	10	65	22	5	22	21	9.2	1	HT130-C-35	EA	1
RBL35-12	35	8.5	12	65	22	5	22	21	9.1	1	HT130-C-35	EA	1
RBL50-10	50	9.5	10	75	26	7	28	22	10.4	1	HT130-C-50	EA	1
RBL50-12	50	9.5	12	75	26	7	28	22	10.4	1	HT130-C-50	EA	1
RBL70-10	70	11.5	10	76	26	8	28	24	11.5	1	HT130-C-70	EA	1
RBL70-12	70	11.5	12	76	26	8	28	24	11.5	1	HT130-C-70	EA	1
RBL95-10	95	13.4	10	77	30	10	30	27	14.2	1	HT130-C-95	EA	1
RBL95-12	95	13.4	12	77	30	10	30	27	14.2	1	HT130-C-95	EA	1
RBL120-10	120	15.6	10	84	30	10	30	30	16.5	2 overlap	HT130-C-120	EA	1
RBL120-12	120	15.6	12	84	30	10	30	30	16.5	2 overlap	HT130-C-120	EA	1
RBL150-10	150	16.7	10	84	36	11	36	30	18.3	2 overlap	HT130-C-150	EA	1
RBL150-12	150	16.7	12	84	36	11	36	30	18.3	2 overlap	HT130-C-150	EA	1
RBL185-10	185	18.5	10	88	36	11	36	32	20	2 overlap	HT130-C-185	EA	1
RBL185-12	185	18.5	12	88	36	11	36	32	20	2 overlap	HT130-C-185	EA	1
RBL240-10	240	21.2	10	110	37	12	40	42	23.1	3	HT130-C-240	EA	1
RBL240-12	240	21.2	12	110	37	12	40	42	23.1	3	HT130-C-240	EA	1
RBL300-10	300	23.5	10	110	37	12	50	42	26	3	HT130-C-300	EA	1
RBL300-12	300	23.5	12	110	37	12	50	42	26	3	HT130-C-300	EA	1

ALUMINIUM CRIMP LUGS AND LINKS

AL CRIMP LUGS



- Forged Aluminium lug with funnel entry design - stranded sector cables insert easily into barrel which can then be orientated in any direction
- Chemically treated to reduce contact resistance
- Crimp with standard hexagonal dies - from palm outwards
- We can punch any stud in palm of lug on request



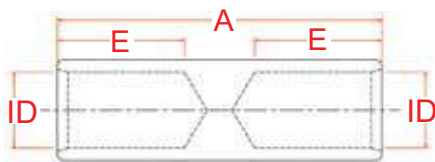
Part No.	Nominal Conductor (mm ²)	Stranding No.	ID Size (mm)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
AL16	16	7/1.70	5.5	-	70	18	5	22	32	9	1	HT-6/35AL	EA	1
AL25	25	19/1.35	7.5	-	70	22	5	22	32	9	1	HT-6/35AL	EA	1
AL35-10	35	19/1.53	8.5	10	70	22	5	22	32	9	1	HT-6/35AL	EA	1
AL35-12	35	19/1.53	8.5	12	70	22	5	22	32	9	1	HT-6/35AL	EA	1
AL50-10	50	19/1.78	9.5	10	75	26	8	28	32	13.2	1	HT-50/70AL	EA	1
AL50-12	50	19/1.78	9.5	12	75	26	8	28	32	13.2	1	HT-50/70AL	EA	1
AL70-10	70	19/2.14	11.5	10	75	26	8	28	32	13.2	1	HT-50/70AL	EA	1
AL70-12	70	19/2.14	11.5	12	75	26	8	28	32	13.2	1	HT-50/70AL	EA	1
AL95-10	95	37/1.78	13.5	10	105	30	10	30	55	17.3	2	HT-95/120AL	EA	1
AL95-12	95	37/1.78	13.5	12	105	30	10	30	55	17.3	2	HT-95/120AL	EA	1
AL120-10	120	37/2.03	15.5	10	105	30	10	30	55	17.3	2	HT-95/120AL	EA	1
AL120-12	120	37/2.03	15.5	12	105	30	10	30	55	17.3	2	HT-95/120AL	EA	1
AL150-10	150	37/2.25	16.5	10	105	36	11	36	46.5	22	2	HT-150/185AL	EA	1
AL150-12	150	37/2.25	16.5	12	105	36	11	36	46.5	22	2	HT-150/185AL	EA	1
AL150-16	150	37/2.25	16.5	16	105	36	11	36	46.5	22	2	HT-150/185AL	EA	1
AL185-12	185	37/2.52	18.5	12	105	36	11	36	46.5	22	2	HT-150/185AL	EA	1
AL240-12	240	61/2.25	22	12	120	37	12	40	46.5	28.4	2	HT-240/300AL	EA	1
AL300-12	300	61/2.52	23.5	12	120	37	12	50	46.5	28.4	2	HT-240/300AL	EA	1
AL400	400	61/2.85	26.5	-	160	54	15	54	70	39	2	ECW-3D4/500AL	EA	1
AL500	500	61/3.20	30	-	160	54	15	54	70	39	2	ECW-3D4/500AL	EA	1
AL630	630	127/2.52	34	-	160	60	15	60	70	43.2	2	RHU520-800	EA	1
AL630-10	630	127/2.52	34	10	160	60	15	60	70	43.2	2	RHU520-800	EA	1
AL630-12	630	127/2.52	34	12	160	60	15	60	70	43.2	2	RHU520-800	EA	1
AL800	800	127/2.85	39	-	230	70	20	80	115	43.2	4	RHU520-800	EA	1
AL1000	1000	127/3.20	44	-	260	90	20	100	115	52.5	4	RHU520-1000AL	EA	1

LUGS AND LINKS

AL LINKS



- Manufactured from solid drawn Aluminium rod - minimising casting imperfections in the metal
- Barrier design facilitates ingress of jointing compound in joint
- Crimp from centre mark outwards - clearly marked crimping lines
- Crimp with standard Australian/NZ hex dies



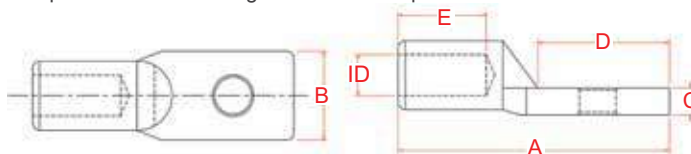
Part No.	Nominal Conductor (mm ²)	ID Size (mm)	A (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
ALK6	6	3.5	70	32	9	1	HT-6/35AL	EA	1
ALK10	10	4.5	70	32	9	1	HT-6/35AL	EA	1
ALK16	16	5.5	70	32	9	1	HT-6/35AL	EA	1
ALK25	25	7.5	70	32	9	1	HT-6/35AL	EA	1
ALK35	35	8.5	70	32	9	1	HT-6/35AL	EA	1
ALK50	50	9.5	70	32	13.2	1	HT-50/70AL	EA	1
ALK70	70	11.3	70	32	13.2	1	HT-50/70AL	EA	1
ALK95	95	13.5	125	60	17.3	2	HT-95/120AL	EA	1
ALK120	120	15.5	125	60	17.3	2	HT-95/120AL	EA	1
ALK150	150	16.5	125	60	22	2	HT-150/185AL	EA	1
ALK185	185	18.5	125	60	22	2	HT-150/185AL	EA	1
ALK240	240	22	125	60	28.4	2	HT-240/300AL	EA	1
ALK300	300	23.5	125	60	28.4	2	HT-240/300AL	EA	1
ALK400	400	26.5	145	70	39	2	ECW-3D4/500AL	EA	1
ALK500	500	30	145	70	39	2	ECW-3D4/500AL	EA	1
ALK630	630	34	145	70	43.2	2	RHU520-800	EA	1
ALK800	800	39	235	115	43.2	4	RHU520-800	EA	1

ALUMINIUM CCT LUGS

AL CCT LUGS



- Specially designed for CCT overhead conductors. Heavy duty with differing cross sections to normal lugs so that they match CCT cross sections
- Minimise conductor flashover - reduction in conductor spacing
- Capped and filled with jointing compound
- Crimp with standard hexagonal dies - from palm outwards



Part No.	Nominal Conductor (mm ²)	Stranding No.	ID Size (mm)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	A/F Hex Die (mm)	No. Crimps	Crimp Die	Unit	Qty
AL40-12-CCT	40	7/2.75	9	12	73	26	7	28	32	13.2	1	HT-50/70AL	EA	1
AL80-12-CCT	80	7/3.75	12.5	12	90	30	10	30	42	17.3	3	HT-95/120AL	EA	1
AL120-12-CCT	120	7/4.75	15.5	12	95	30	10	30	42	17.3	3	HT-95/120AL	EA	1
AL180-12-CCT	180	19/3.50	18.5	12	116	36	11	36	60	22	4	HT-150/185AL	EA	1

M20 HIGH VOLTAGE CABLE SCREW LONG

Unit: EA Qty: 1



Part No. BSM20SH/L

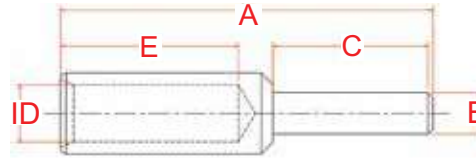
- Shearbolts 17mm hex for URD, links and lug range taking 120 to 185 sq mm
- For use with URD3 Terminals to adjust range taking

ALUMINIUM STALK LUGS

AL STALK LUGS



- Stalk lugs are generally used to attach Aluminium cable to Aluminium overhead conductor
- Suitable for electrical equipment with Al clamp terminals
- Crimped with CABAC standard tooling & dies for aluminium lugs
- The first digits after AS indicate conductor size
- The last digits after / indicate diameter of the stalk



Part No.	Nominal Conductor (mm ²)	ID Strand Metric (mm)	ID Size (mm)	A (mm)	B (mm)	C (mm)	E (mm)	Aluminium Crimp Die	A/F Hex Die (mm)	Aluminium No. Crimps	Unit	Qty
AS6/8	6	7/1.04	3.5	70	8	28	32	HT-6/35AL	9	1	EA	1
AS6/10	6	7/1.04	3.5	70	10	28	32	HT-6/35AL	9	1	EA	1
AS10/8	10	7/1.35	4.5	70	8	28	32	HT-6/35AL	9	1	EA	1
AS10/10	10	7/1.35	4.5	70	10	28	32	HT-6/35AL	9	1	EA	1
AS16/8	16	7/1.70	5.5	70	8	28	32	HT-6/35AL	9	1	EA	1
AS16/10	16	7/1.70	5.5	70	10	28	32	HT-6/35AL	9	1	EA	1
AS16/12	16	7/1.70	5.5	70	12	28	32	HT-6/35AL	9	1	EA	1
AS25/8	25	19/1.35	7.5	70	8	28	32	HT-6/35AL	9	1	EA	1
AS25/10	25	19/1.35	7.5	70	10	28	32	HT-6/35AL	9	1	EA	1
AS25/12	25	19/1.35	7.5	70	12	28	32	HT-6/35AL	9	1	EA	1
AS35/8	35	19/1.53	8.5	70	8	28	32	HT-6/35AL	9	1	EA	1
AS35/10	35	19/1.53	8.5	70	10	28	32	HT-6/35AL	9	1	EA	1
AS35/12	35	19/1.53	8.5	70	12	28	32	HT-6/35AL	9	1	EA	1
AS50/8	50	19/1.78	9.5	70	8	28	32	HT-50/70AL	13.2	1	EA	1
AS50/10	50	19/1.78	9.5	70	10	28	32	HT-50/70AL	13.2	1	EA	1
AS50/12	50	19/1.78	9.5	70	12	28	32	HT-50/70AL	13.2	1	EA	1
AS70/8	70	19/2.14	11.5	70	8	28	32	HT-50/70AL	13.2	1	EA	1
AS70/10	70	19/2.14	11.5	70	10	28	32	HT-50/70AL	13.2	1	EA	1
AS70/12	70	19/2.14	11.5	70	12	28	32	HT-50/70AL	13.2	1	EA	1
AS95/10	95	37/1.78	13.5	110	10	37	60	HT-95/120AL	17.3	2	EA	1
AS95/12	95	37/1.78	13.5	110	12	37	60	HT-95/120AL	17.3	2	EA	1
AS95/14	95	37/1.78	13.5	110	14	37	60	HT-95/120AL	17.3	2	EA	1
AS120/10	120	37/2.03	15.5	110	10	37	60	HT-95/120AL	17.3	2	EA	1
AS120/12	120	37/2.03	15.5	110	12	37	60	HT-95/120AL	17.3	2	EA	1
AS120/14	120	37/2.03	15.5	110	14	37	60	HT-95/120AL	17.3	2	EA	1
AS150/12	150	37/2.25	16.5	120	12	45	60	HT-150/185AL	22	2	EA	1
AS150/14	150	37/2.25	16.5	120	14	45	60	HT-150/185AL	22	2	EA	1
AS150/16	150	37/2.25	16.5	120	16	45	60	HT-150/185AL	22	2	EA	1
AS150/20	150	37/2.25	16.5	120	20	45	60	HT-150/185AL	22	2	EA	1
AS185/12	185	37/2.52	18.5	120	12	45	60	HT-150/185AL	22	2	EA	1
AS185/14	185	37/2.52	18.5	120	14	45	60	HT-150/185AL	22	2	EA	1
AS185/16	185	37/2.52	18.5	120	16	45	60	HT-150/185AL	22	2	EA	1
AS240/14	240	61/2.25	22	120	14	45	60	HT-240/300AL	28.4	2	EA	1
AS240/16	240	61/2.25	22	120	16	45	60	HT-240/300AL	28.4	2	EA	1
AS300/16	300	61/2.52	23.5	120	16	45	60	HT-240/300AL	28.4	2	EA	1
AS300/18	300	61/2.52	23.5	120	18	45	60	HT-240/300AL	28.4	2	EA	1
AS300/20	300	61/2.52	23.5	120	20	45	60	HT-240/300AL	28.4	2	EA	1
AS400/18	400	61/2.85	26.5	155	18	65	70	ECW-H3D4/500AL	39	2	EA	1
AS400/20	400	61/2.85	26.5	155	20	65	70	ECW-H3D4/500AL	39	2	EA	1
AS400/22	400	61/2.85	26.5	155	22	65	70	ECW-H3D4/500AL	39	2	EA	1
AS500/18	500	61/3.20	30	155	18	65	70	ECW-H3D4/500AL	39	2	EA	1
AS500/20	500	61/3.20	30	155	20	65	70	ECW-H3D4/500AL	39	2	EA	1
AS500/22	500	61/3.20	30	155	22	65	70	ECW-H3D4/500AL	39	2	EA	1
AS630/20	630	127/2.52	34	160	20	65	70	RHU520-800	43.2	2	EA	1
AS630/22	630	127/2.52	34	160	22	65	70	RHU520-800	43.2	2	EA	1

LUGS AND LINKS

ALUMINIUM SOLID SECTOR LUGS AND LINKS

AL 3 CORE SOLID SECTOR



- Lugs are designed to fit 3 core solid sector Aluminium cables dimensioned according to BS3988-1970
- Compound reduces contact resistance and inhibits corrosion
- Designed to be crimped with CABAC and MSS Power tools and dies
- Crimp with nest and indent dies

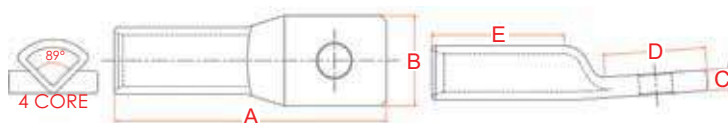


Part No.	Nominal Conductor (mm ²)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	U (mm)	V (mm)	Crimp Die Nest	Crimp Die Indent	No. Crimps	Unit	Qty
ALS120/3-10	120	10	103	31	6	38	52	18.1	10.6	HT130-A12 NEST	HT130-A16 INDENT	3	EA	1
ALS120/3-12	120	12	103	31	6	38	52	18.1	10.6	HT130-A12 NEST	HT130-A16 INDENT	3	EA	1
ALS185/3-12	185	12	116	35	7	40	60	22.5	13.2	HT130-A12 NEST	HT130-A18 INDENT	3	EA	1
ALS240/3-12	240	12	123	37	8	40	63	25.8	15.2	HT130-A12 NEST	HT130-A19 INDENT	3	EA	1

AL 4 CORE SOLID SECTOR



- Lugs are designed to fit 4 core solid sector Aluminium cables dimensioned according to BS3988-1970
- Compound reduces contact resistance and inhibits corrosion
- Designed to be crimped with CABAC and MSS Power tools and dies
- Crimp with indent and nest dies

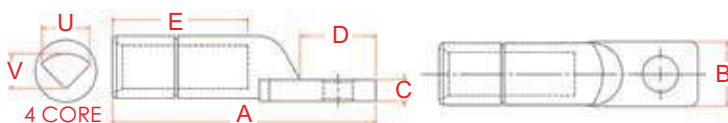


Part No.	Nominal Conductor (mm ²)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Crimp Die Nest	Crimp Die Indent	No. Crimps	Unit	Qty
ALS120/4-12	120	12	103	31	7	38	52	HT130-A14 NEST	HT130-A16 INDENT	3	EA	1
ALS185/4-12	185	12	116	35	8	40	60	HT130-A15 NEST	HT130-A18 INDENT	3	EA	1
ALS240/4-12	240	12	123	35	8	40	63	HT130-A15 NEST	HT130-A19 INDENT	3	EA	1

AL 4 CORE ROTATING BARREL



- Patented design developed for use on 240mm² Aluminium 4 core sector cable - palm positions easily - no need to twist the cable
- Suitable for 4 core, solid sector cable
- Used with standard A/F 28.4 hex crimp die (Part No. HT-240/300AL)
- Position palm to suit installation before crimping.
- Only 3 crimps required to complete the connection



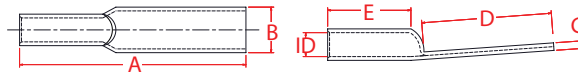
Part No.	Nominal Conductor (mm ²)	Stud Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	U (mm)	V (mm)	No. Crimps	Unit	Qty
ARL240-12	240	12	130	35	12	37.5	73.5	25.5	19.5	3	EA	1

ALUMINIUM LONG PALM LONG BARREL LUGS

AL LONG PALM LONG BARREL LUGS



- Stamped palm from forged aluminium tube, machined conductor entry.
- Compound reduces contact resistance & prevents oxidation.
- Crimp from palm side outwards to spread compound evenly
- Stud holes punched to requirement or drilled on site
- Crimp with CABAC and MSS Power Australian/NZ dies



Part No.	ID Size (mm)	Nominal Conductor (mm ²)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Crimp Die	A/F Hex Die (mm)	Unit	Qty
AL240LPB	22	240	200	48	10	100	46	HT-240/300AL	28.4	EA	1
AL400LPB	26.5	400	200	56	12	105	70	ECW-3D4/500AL	39	EA	1
AL500LPB	30	500	210	56	12	100	70	ECW-3D4/500AL	39	EA	1

JOINTING COMPOUNDS

JOINTING COMPOUNDS

JOINTING COMPOUND WHITE 220G

Unit: EA Qty: 1



Part No. EJC/300

- Aluminium joints (bolted and crimped) should have jointing compound applied to joint where it is not pre-loaded in the barrels of lugs or links
- For Copper and Aluminium bolted connections
- Fills voids left after bolting
- Handy plastic squeeze tubes - easy application
- Scratch brush aluminium before applying compound

JOINTING COMPOUND COPPER 220G

Unit: EA Qty: 1



Part No. EJCC/220

- Copper crimped and bolted connections do not need jointing compound however jointing compound will assist the joint integrity.
- Fills voids left after bolting or crimping.
- Handy 220g plastic squeeze tubes - easy application.
- Urethane derivative of castor oil with 10% suspended copper.
- Assists current transfer and limits corrosion.

JOINTING COMPOUND COPPER 4ML SACHET

Unit: EA Qty: 1



Part No. EJCCG/4

- Copper crimped and bolted connections do not need jointing compound however jointing compound will assist the joint integrity
- Used in high mechanical tension and hostile environments.
- Suitable for crimped earthing applications to resist slipping.
- 10% suspended copper and 35% 100-mesh silicon carbide.
- Handy 4ml sachets - for easy application

JOINTING COMPOUND GREY ALUMINIUM CRIMPS

Unit: EA Qty: 1



Part No. EJCG125

- Aluminium joints (bolted and crimped) should have jointing compound applied to joint where it is not pre-loaded in the barrels of lugs or links
- Grease acts as a corrosion inhibitor. Use after scratch brushing.
- Handy 125g plastic squeeze tubes - for easy application
- 30% suspended zinc particles and 10% fumed silica.
- Fill voids. Zinc and silica assists with current bridges in joint.

TERMINALS

PRE-INSULATED TERMINALS

NOMINAL CURRENT RATINGS

Terminal colour	Yellow	Red	Blue	Yellow
Conductor Range (mm ²)	0.2-0.5	0.5-1.6	1.0-2.6	2.5-6.0
Ring Terminal	8A	24A	32A	48A
Forked Spade	6A	18A	24A	36A
Pin Connector	5A	12A	16A	24A
Lip/Flat Blade	–	24A	32A	48A
Bullet	–	12A	16A	
In Line Splice	–	24A	32A	48A
Quick Connector	–	24A	32A	48A
End Connector	–	24A	32A	48A

NOTE: These ratings are a notional suggestions and cover most situations. It assumes defect-free workmanship, natural ambient conditions, and accepted practices within AS 3000.

NOTE: DG - DOUBLE GRIP; HF - HALOGEN FREE

STRIPPING LENGTHS

Terminal Colour	Yellow	Red	Blue	Yellow
Conductor Range (mm ²)	0.2-0.5	0.5-1.6	1.0-2.6	2.5-6.0
Strip Length for Terminals	4-5mm	4-5mm	5-6mm	6-7mm
Strip Length for in Line Splice	-	7-8mm	7-8mm	7-8mm

In general, the wire should protrude 1mm out of the front of the terminal.

TECHNICAL DATA

Conductive Material (except Quick Connect Range)

Copper	99.9% pure
Tensile Strength	200 MPa
Ductile Rating	35%
Final Metal State	Fully annealed
Oxygen Content	50ppm max

Conductive Material (Quick Connect Range)

Brass	30% Zinc
	70% Copper
Tensile Strength	580 MPa
Ductile Rating	6% min
Final Metal State	Annealed

Electroplating

Material	Tin
Tin Content	99.9%
Other Metals	Lead + Antimony
Plating Thickness	2.5 microns

General Electrical Properties

Total Conductivity	99.5% IACS
Total Resistivity	1.738 micro-ohm cm

Insulation

Material	PVC for all except nylon 6 or nylon 66 - for FIQC
Breakdown voltage	1.5kV (min)
Insulation resistance	Above 100 meg ohms
Working voltage	Up to 300V AC/DC

Working Temperature

Pre-Insulate	-40°C to +105°C
Brass	145°C
Tin plated	160°C

Conformant Standards

AS4437, AS3169	Australia
CSA	Canada
IEC	Europe
UL Nema	USA
Demko	Denmark
DIN VDE	Germany
Kema	Holland
JIS	Japan; Nemko
Norway	
ASE	Switzerland
BS	United Kingdom

Torque Recommendations

For hardware being metric 8.8 tensile grade.

Thread dia (mm)	Torque (Nm)
3	2
4	3
5	5
6	9
8	22
10	44
12	77

Nominal Pull Out Force

Wire size (mm ²)	Pull out force (kg (N))
0.25	4.6 (45)
0.50	6.0 (59)
0.75	8.6 (84)
1.00	10.1 (100)
1.50	13.2 (130)
2.50	19.6 (192)
4.00	26.5 (260)
6.00	35.2 (345)

Pull out should be checked for each tool/terminal combination.

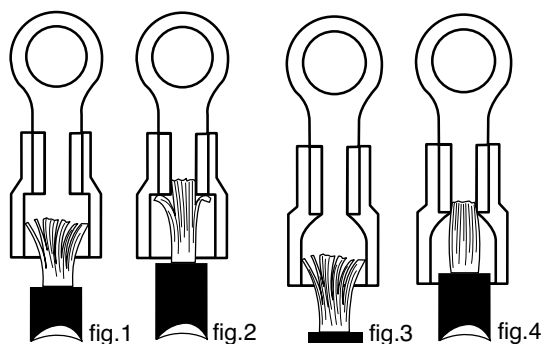
PRE-INSULATED TERMINALS

CABAC's range of pre-insulated terminals is comprehensive, and is being developed continually as switchgear, contactors, terminal blocks, etc. evolve. In more recent years terminals have been getting smaller, and we have developed our range of 0.5mm tab thickness quick connectors, increased our range of bootlace pins and introduced the 0.3mm² range of terminals to name a few developments. Our terminals are high quality 300V terminals having many advanced features for ease of use.

- High quality product meeting International Standards
- Long-term electrical integrity
- A unique funnel entry that speeds wire terminating and increases reliability
- Translucent nylon in fully insulated quick connectors reduces installation errors
- Full technical backup including QA
- Approved by government authorities
- Conforms to AS 3169 and AS 4437

All terminals should be crimped onto the conductor using a CABAC crimper or any quality crimper that is designed to crimp the specific terminal type. If unsure of the terminal/conductor/crimper combination refer to the technical information following and test the nominal pull out force of the crimped connection.

If the conductor does not pull out when the nominal pull out force is applied and held for one minute, this will give a good indication of the integrity of the joint.



FUNNEL ENTRY

The funnel entry has been specifically developed to speed up wire terminating, while ensuring maximum reliability of the crimped connection. Only single grip terminals are funnel entry.

- Speeds insertion of the wire
- Avoids strands folding back and minimises short-circuit risks
- Reduces stripping tolerances
- Speeds and simplifies the operation, reducing errors and rejects
- Reduces installation time

Standard Entry

Fig. 1
Having stripped the insulation, the wire strands tend to 'spring', resulting in a difficult insertion.

Fig. 2
Not all strands are inserted into the terminal barrel, therefore the wire section is only partially crimped.

Funnel Entry

Fig. 3
All of the wire strands are properly funnelled into the terminal barrel.

Fig. 4
The wire section can be fully crimped and is both electrically and mechanically more reliable.

TERMINALS

PRE-INSULATED TERMINALS

YELLOW RING 0.2-0.5MM



- Double grip - separate crimp barrels for conductor and insulation
- High quality product - meets international standards
- Conforms to AS 3169 and AS 4437
- PVC insulated

Part No.	Description	Unit	Qty
RT0.3-3DG	YELLOW RING TERMINAL 3MM STUD DG	PAK	100
RT0.3-4DG	YELLOW RING TERMINAL 4MM STUD DG	PAK	100
RT0.3-5DG	YELLOW RING TERMINAL 5MM STUD DG	PAK	100

RED RING 0.5-1.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
RT1.25-3	RED RING TERMINAL 3MM STUD	PAK	100
RT1.25-3/K	KIT PACK OF 25 RT1.25-3	KIT	1
RT1.25-3DG	RED RING TERMINAL 3MM STUD DG	PAK	100
RT1.25-3HF	RED RING TERMINAL 3MM STUD HF	PAK	100
RT1.25-4	RED RING TERMINAL 4MM STUD	PAK	100
RT1.25-4/K	KIT PACK OF 25 RT1.25-4	KIT	1
RT1.25-4DG	RED RING TERMINAL 4MM STUD DG	PAK	100
RT1.25-4HF	RED RING TERMINAL 4MM STUD HF	PAK	100
RT1.25-5	RED RING TERMINAL 5MM STUD	PAK	100
RT1.25-5/K	KIT PACK OF 25 RT1.25-5	KIT	1
RT1.25-5DG	RED RING TERMINAL 5MM STUD DG	PAK	100
RT1.25-5HF	RED RING TERMINAL 5MM STUD HF	PAK	100
RT1.25-6	RED RING TERMINAL 6MM STUD	PAK	50
RT1.25-6/K	KIT PACK OF 25 RT1.25-6	KIT	1
RT1.25-6DG	RED RING TERMINAL 6MM STUD DG	PAK	50
RT1.25-6HF	RED RING TERMINAL 6MM STUD HF	PAK	50
RT1.25-8	RED RING TERMINAL 8MM STUD	PAK	50
RT1.25-8/K	KIT PACK OF 20 RT1.25-8	KIT	1
RT1.25-8DG	RED RING TERMINAL 8MM STUD DG	PAK	50
RT1.25-8HF	RED RING TERMINAL 8MM STUD HF	PAK	50
RT1.25-10	RED RING TERMINAL 10MM STUD	PAK	25
RT1.25-10/K	KIT PACK OF 20 RT1.25-10	KIT	1
RT1.25-10DG	RED RING TERMINAL 10MM STUD DG	PAK	25
RT1.25-10HF	RED RING TERMINAL 10MM STUD HF	PAK	25
RT1.25-12DG	RED RING TERMINAL 12MM STUD DG	PAK	25
RT1.25-12DGHF	RED RING TERMINAL 12MM STUD DG HF	PAK	25

BLUE RING 1-2.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
RT2-3	BLUE RING TERMINAL 3MM STUD	PAK	100
RT2-3/K	KIT PACK OF 20 RT2-3	KIT	1
RT2-3DG	BLUE RING TERMINAL 3MM STUD DG	PAK	100
RT2-3HF	BLUE RING TERMINAL 3MM STUD HF	PAK	100
RT2-4	BLUE RING TERMINAL 4MM STUD	PAK	100
RT2-4/K	KIT PACK OF 20 RT2-4	KIT	1
RT2-4DG	BLUE RING TERMINAL 4MM STUD DG	PAK	100
RT2-4HF	BLUE RING TERMINAL 4MM STUD HF	PAK	100
RT2-5	BLUE RING TERMINAL 5MM STUD	PAK	100
RT2-5/K	KIT PACK OF 20 RT2-5	KIT	1
RT2-5DG	BLUE RING TERMINAL 5MM STUD DG	PAK	100
RT2-5HF	BLUE RING TERMINAL 5MM STUD HF	PAK	100
RT2-6	BLUE RING TERMINAL 6MM STUD	PAK	50
RT2-6/K	KIT PACK OF 20 RT2-6	KIT	1
RT2-6DG	BLUE RING TERMINAL 6MM STUD DG	PAK	50
RT2-6HF	BLUE RING TERMINAL 6MM STUD HF	PAK	50
RT2-8	BLUE RING TERMINAL 8MM STUD	PAK	50
RT2-8/K	KIT PACK OF 15 RT2-8	KIT	1
RT2-8DG	BLUE RING TERMINAL 8MM STUD DG	PAK	50
RT2-8HF	BLUE RING TERMINAL 8MM STUD HF	PAK	50
RT2-10	BLUE RING TERMINAL 10MM STUD	PAK	25
RT2-10DG	BLUE RING TERMINAL 10MM STD DG	PAK	25
RT2-10HF	BLUE RING TERMINAL 10MM STUD HF	PAK	25
RT2-12	BLUE RING TERMINAL 12MM STUD	PAK	25
RT2-12DG	BLUE RING TERMINAL 12MM STD DG	PAK	25
RT2-12HF	BLUE RING TERMINAL 12MM STUD HF	PAK	25

TERMINALS

YELLOW RING 2.5-6.0MM



- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
RT5.5-3	YELLOW RING TERMINAL 3MM STUD	PAK	50
RT5.5-3DG	YELLOW RING TERMINAL 3MM STUD DG	PAK	50
RT5.5-3HF	YELLOW RING TERMINAL 3MM STUD HF	PAK	50
RT5.5-4	YELLOW RING TERMINAL 4MM STUD	PAK	50
RT5.5-4DG	YELLOW RING TERMINAL 4MM STUD DG	PAK	50
RT5.5-4HF	YELLOW RING TERMINAL 4MM STUD HF	PAK	50
RT5.5-5	YELLOW RING TERMINAL 5MM STUD	PAK	50
RT5.5-5/K	KIT PACK OF 20 RT5.5-5	KIT	1
RT5.5-5DG	YELLOW RING TERMINAL 5MM STUD DG	PAK	50
RT5.5-5HF	YELLOW RING TERMINAL 5MM STUD HF	PAK	50
RT5.5-6	YELLOW RING TERMINAL 6MM STUD	PAK	25
RT5.5-6/K	KIT PACK OF 20 RT5.5-6	KIT	1
RT5.5-6DG	YELLOW RING TERMINAL 6MM STUD DG	PAK	25
RT5.5-6HF	YELLOW RING TERMINAL 6MM STUD HF	PAK	25
RT5.5-8	YELLOW RING TERMINAL 8MM STUD	PAK	25
RT5.5-8/K	KIT PACK OF 15 RT5.5-8	KIT	1
RT5.5-8DG	YELLOW RING TERMINAL 8MM STUD DG	PAK	25
RT5.5-8HF	YELLOW RING TERMINAL 8MM STUD HF	PAK	25
RT5.5-10	YELLOW RING TERMINAL 10MM STUD	PAK	25
RT5.5-10DG	YELLOW RING TERMINAL 10MM STUD DG	PAK	25
RT5.5-10HF	YELLOW RING TERMINAL 10MM STUD HF	PAK	25
RT5.5-12	YELLOW RING TERMINAL 12MM STUD	PAK	25
RT5.5-12DG	YELLOW RING TERMINAL 12MM STUD DG	PAK	25
RT5.5-12HF	YELLOW RING TERMINAL 12MM STUD HF	PAK	25

YELLOW FORK SPADE 0.2-0.5MM



- Double grip - high quality product meeting many international standards
- Reduces installation errors – PVC Insulated
- Conforms to AS 3169 and AS 4437
- Superior long term electrical integrity

Part No.	Description	Unit	Qty
FS0.3-3DG	FORKED SPADE 3MM YELLOW DG	PAK	100
FS0.3-4DG	FORKED SPADE 4MM YELLOW DG	PAK	100
FS0.3-5DG	FORKED SPADE 5MM YELLOW DG	PAK	100



RED FORK SPADE 0.5-1.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
FS1.25-3	FORKED SPADE 3MM RED	PAK	100
FS1.25-3/K	KIT OF 15 FS1.25-3	KIT	1
FS1.25-3DG	FORKED SPADE 3MM RED DG	PAK	100
FS1.25-3HF	FORKED SPADE 3MM RED HF	PAK	100
FS1.25-4	FORKED SPADE 4MM RED	PAK	100
FS1.25-4/K	KIT OF 15 FS1.25-4	KIT	1
FS1.25-4DG	FORKED SPADE 4MM RED DG	PAK	100
FS1.25-4HF	FORKED SPADE 4MM RED HF	PAK	100
FS1.25-5	FORKED SPADE 5MM RED	PAK	50
FS1.25-5/K	KIT OF 15 FS1.25-5	KIT	1
FS1.25-5DG	FORKED SPADE 5MM RED DG	PAK	50
FS1.25-5HF	FORKED SPADE 5MM RED HF	PAK	50
FS1.25-6	FORKED SPADE 6MM RED	PAK	50
FS1.25-6DG	FORKED SPADE 6MM RED DG	PAK	50
FS1.25-6HF	FORKED SPADE 6MM RED HF	PAK	50

BLUE FORK SPADE 1-2.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
FS2-3	FORKED SPADE 3MM BLUE	PAK	100
FS2-3/K	KIT OF 15 FS2-3	KIT	1
FS2-3DG	FORKED SPADE 3MM BLUE DG	PAK	100
FS2-3HF	FORKED SPADE 3MM BLUE HF	PAK	100
FS2-4	FORKED SPADE 4MM BLUE	PAK	100
FS2-4/K	KIT OF 15 FS2-4	KIT	1
FS2-4DG	FORKED SPADE 4MM BLUE DG	PAK	100
FS2-4HF	FORKED SPADE 4MM BLUE HF	PAK	100
FS2-5	FORKED SPADE 5MM BLUE	PAK	50
FS2-5/K	KIT OF 15 FS2-5	KIT	1
FS2-5DG	FORKED SPADE 5MM BLUE DG	PAK	50
FS2-5HF	FORKED SPADE 5MM BLUE HF	PAK	50
FS2-6	FORKED SPADE 6MM BLUE	PAK	50
FS2-6DG	FORKED SPADE 6MM BLUE DG	PAK	50
FS2-6HF	FORKED SPADE 6MM BLUE HF	PAK	50

TERMINALS

YELLOW FORK SPADE 2.5-6.0MM



- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
FS5.5-3	FORKED SPADE 3MM YELLOW	PAK	50
FS5.5-3DG	FORKED SPADE 3MM YELLOW DG	PAK	50
FS5.5-3HF	FORKED SPADE 3MM YELLOW HF	PAK	50
FS5.5-4	FORKED SPADE 4MM YELLOW	PAK	50
FS5.5-4/K	KIT OF 10 FS5.5-4	KIT	1
FS5.5-4DG	FORKED SPADE 4MM YELLOW DG	PAK	50
FS5.5-4HF	FORKED SPADE 4MM YELLOW HF	PAK	50
FS5.5-5	FORKED SPADE 5MM YELLOW	PAK	50
FS5.5-5/K	KIT OF 10 FS5.5-5	KIT	1
FS5.5-5DG	FORKED SPADE 5MM YELLOW DG	PAK	50
FS5.5-5HF	FORKED SPADE 5MM YELLOW HF	PAK	50
FS5.5-6	FORKED SPADE 6MM YELLOW	PAK	25
FS5.5-6DG	FORKED SPADE 6MM YELLOW DG	PAK	25
FS5.5-6HF	FORKED SPADE 6MM YELLOW HF	PAK	25

YELLOW PIN CONNECTOR 0.2-0.5MM

PIN CONNECTOR YELLOW DG

Unit: PAK Qty: 100



Part No. PC0.3DG

- Double grip - separate crimp barrels for conductor and insulation
- Conforms to AS 3169 and AS 4437
- High quality product - meets international standards
- PVC insulated

RED PIN CONNECTOR 0.5-1.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
PC1.25	PIN CONNECTOR RED WIRE RANGE 0.5-1MM2	PAK	100
PC1.25/K	KIT OF 20 PC1.25	KIT	1
PC1.25DG	PIN CONNECTOR RED DG WIRE RANGE 0.5-1.5MM2	PAK	100
PC1.25HF	PIN CONNECTOR RED HF	PAK	100
PC1.25-8HF	PIN CONNECTOR RED L8 HF	PAK	100
PC1.25-10HF	PIN CONNECTOR RED L10 HF	PAK	100

BLUE PIN CONNECTOR 1-2.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free



Part No.	Description	Unit	Qty
PC2	PIN CONNECTOR BLUE WIRE RANGE 1-2.5MM2	PAK	100
PC2/K	KIT OF 20 PC2	KIT	1
PC2DG	PIN CONNECTOR BLUE DG WIRE RANGE 1-2.5MM	PAK	100
PC2HF	PIN CONNECTOR BLUE HF	PAK	100
PC2-9HF	PIN CONNECTOR BLUE L9 HF	PAK	100
PC2-10HF	PIN CONNECTOR BLUE L10 HF	PAK	100

YELLOW PIN CONNECTOR 2.5-6.0MM



- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free



Part No.	Description	Unit	Qty
PC5.5	PIN CONNECTOR YELLOW WIRE RANGE 2.5-6MM2	PAK	50
PC5.5/K	KIT OF 15 PC5.5	KIT	1
PC5.5DG	PIN CONNECTOR YELLOW DG WIRE RANGE 2.5-6	PAK	50
PC5.5HF	PIN CONNECTOR YELLOW HF	PAK	50

RED LIP BLADE 0.5-1.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip



Part No.	Description	Unit	Qty
LB1.25-3	LIP BLADE WIDTH 3MM RED	PAK	50
LB1.25-3DG	LIP BLADE WIDTH 3MM RED DG	PAK	50
LB1.25-5DG	LIP BLADE WIDTH 5MM RED DG	PAK	50

BLUE LIP BLADE 1-2.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip



Part No.	Description	Unit	Qty
LB2-3	LIP BLADE WIDTH 3MM BLUE	PAK	50
LB2-3DG	LIP BLADE WIDTH 3MM BLUE DG	PAK	50
LB2-5DG	LIP BLADE WIDTH 5MM BLUE DG	PAK	50

TERMINALS

YELLOW LIP BLADE 2.5-6.0MM

LIP BLADE WIDTH 5MM YELLOW DG

Unit: PAK Qty: 50



Part No. LB5.5-5DG

- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

RED FLAT BLADE 0.5-1.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
FB1.25-2	FLAT BLADE WIDTH 2.0MM RED	PAK	100
FB1.25-2DG	FLAT BLADE WIDTH 2.0MM RED DG	PAK	100
FB1.25-2.3/17	FLAT BLADE WIDTH 2.0MM RED 17MM LONG	PAK	100
FB1.25-3	FLAT BLADE WIDTH 3.0MM RED	PAK	100
FB1.25-3DG	FLAT BLADE WIDTH 3.0MM RED DG	PAK	100
FB1.25-3HF	FLAT BLADE WIDTH 3.0MM RED HF	PAK	100
FB1.25-13HF	FLAT BLADE LENGTH 13MM RED HF	PAK	100
FB1.25-14HF	FLAT BLADE LENGTH 14MM RED HF	PAK	100

BLUE FLAT BLADE 1-2.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- High quality, conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
FB2-2.5	FLAT BLADE WIDTH 2.5MM BLUE	PAK	100
FB2-2.5DG	FLAT BLADE WIDTH 2.5MM BLUE DG	PAK	100
FB2-2.5/17	FLAT BLADE WIDTH 2.5MM BLUE 17MM LONG	PAK	100
FB2-3.5	FLAT BLADE WIDTH 3.5MM BLUE	PAK	100
FB2-3.5DG	FLAT BLADE WIDTH 3.5MM BLUE DG	PAK	100
FB2-3.5HF	FLAT BLADE WIDTH 3.5MM BLUE HF	PAK	100
FB2-13HF	FLAT BLADE LENGTH 13MM BLUE HF	PAK	100

YELLOW FLAT BLADE 2.5-6.0MM



- High quality product meeting many international standards and conforms to AS 3169 and AS 4437
- Reduce installation errors - full insulation
- Funnel entry design speeds up wire terminating
- Superior long term electrical integrity

Part No.	Description	Unit	Qty
FB5.5-3	FLAT BLADE WIDTH 3.0MM YELLOW	PAK	50
FB5.5-3DG	FLAT BLADE WIDTH 3.0MM YELLOW DG	PAK	50
FB5.5-4	FLAT BLADE WIDTH 4.0MM YELLOW	PAK	50
FB5.5-4DG	FLAT BLADE WIDTH 4.0MM YELLOW DG	PAK	50
FB5.5-4HF	FLAT BLADE WIDTH 4.0MM YELLOW HF	PAK	50

RED FEMALE BULLET 0.5-1.6MM

- Double grip – separate crimp barrels for conductor and insulation
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w HF=Halogen Free

Part No.	Description	Unit	Qty
FBC1.25DG	FEMALE BULLET RED 4MM DG	PAK	25
FBC1.25DG/K	KIT OF 15 FBC1.25DG	KIT	1
FBC1.25DGHF	FEMALE BULLET RED 4MM DG HF	PAK	25

BLUE FEMALE BULLET 1-2.6MM

- Double grip – separate crimp barrels for conductor and insulation
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w HF=Halogen Free

Part No.	Description	Unit	Qty
FBC2DG	FEMALE BULLET BLUE 5MM DG	PAK	25
FBC2DG/K	KIT OF 15 FBC2DG	KIT	1
FBC2DGHF	FEMALE BULLET BLUE 5MM DG HF	PAK	25

RED MALE BULLET 0.5-1.6MM

- Double grip – separate crimp barrels for conductor and insulation
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w HF=Halogen Free

Part No.	Description	Unit	Qty
MBC1.25DG	MALE BULLET 4MM RED DG	PAK	100
MBC1.25DG/K	KIT OF 15 MBC1.25DG	KIT	1
MBC1.25DGHF	MALE BULLET 4MM RED DG HF	PAK	100

BLUE MALE BULLET 1-2.6MM

- Double grip – separate crimp barrels for conductor and insulation
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w HF=Halogen Free

Part No.	Description	Unit	Qty
MBC2DG	MALE BULLET 5MM BLUE DG	PAK	50
MBC2DG/K	KIT OF 15 MBC2DG	KIT	1
MBC2DGHF	MALE BULLET 5MM BLUE DG HF	PAK	50

TERMINALS

RED IN LINE 0.5-1.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
ILS1.25	IN LINE SPLICE RED	PAK	50
ILS1.25/K	KIT OF 20 ILS1.25	KIT	1
ILS1.25DG	IN LINE SPLICE RED DG	PAK	50
ILS1.25HF	IN LINE SPLICE RED HF	PAK	50

BLUE IN LINE 1-2.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
ILS2	IN LINE SPLICE BLUE	PAK	50
ILS2/K	KIT OF 20 ILS2	KIT	1
ILS2DG	IN LINE SPLICE BLUE DG	PAK	50
ILS2HF	IN LINE SPLICE BLUE HF	PAK	50

YELLOW IN LINE 2.5-6.0MM



- Unique funnel entry that speeds wire termination – increasing reliability
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
ILS5.5	IN LINE SPLICE YELLOW	PAK	25
ILS5.5/K	KIT OF 10 ILS5.5	EA	1
ILS5.5DG	IN LINE SPLICE YELLOW DG	PAK	25
ILS5.5HF	IN LINE SPLICE YELLOW HF	EA	1

RED QUICK CONNECT PIGGY BACK



- Double grip – separate crimp barrels for conductor and insulation
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated

Part No.	Description	Unit	Qty
PB1.25-6.4DG	PIGGY BACK Q/C RED 6.4*0.8	PAK	50
PB1.25-6.4DG/K	KIT OF 15 PB1.25-6.4DG	KIT	1

BLUE QUICK CONNECT PIGGY BACK

- Double grip – separate crimp barrels for conductor and insulation
- Conforms to AS 3169 and AS 4437
- PVC Insulated
- Translucent nylon allows visual confirmation of installation

Part No.	Description	Unit	Qty
PB2-6.4DG	PIGGY BACK Q/C BLUE 6.4*0.8 DG	PAK	50
PB2-6.4DG/K	KIT OF 15 PB2-6.4DG	KIT	1

RED QUICK CONNECT 0.5-1.6MM

- Double grip – separate crimp barrels for conductor and insulation
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
QC1.25-2.8/.5DG	RED Q/C 2.8*0.5MM TAB DG	PAK	100
QC1.25-2.8DG	RED Q/C 2.8*0.8MM TAB DG	PAK	100
QC1.25-2.8DGHF	RED Q/C 2.8*0.8MM TAB DG HF	PAK	100
QC1.25-4.8/.5DG	RED Q/C 4.8*0.5MM TAB DG	PAK	100
QC1.25-4.8DG	RED Q/C 4.8*0.8MM TAB DG	PAK	100
QC1.25-4.8DGHF	RED Q/C 4.8*0.8MM TAB DG HF	PAK	100
QC1.25-6.4DG	RED Q/C 6.4*0.8MM TAB DG	PAK	100
QC1.25-6.4DG/K	KIT OF 20 QC1.25-6.4DG	KIT	1
QC1.25-6.4DGHF	RED Q/C 6.4*0.8MM TAB DG HF	PAK	100

BLUE QUICK CONNECT 1-2.6MM

- Double grip – separate crimp barrels for conductor and insulation
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
QC2-2.8DG	BLUE Q/C 2.8*0.8MM TAB DG	PAK	100
QC2-4.8DGHF	BLUE Q/C 4.8*0.8MM TAB DG HF	PAK	100
QC2-4.8/.5DG	BLUE Q/C 4.8*0.5MM TAB DG	PAK	100
QC2-4.8DG	BLUE Q/C 4.8*0.8MM TAB DG	PAK	100
QC2-6.4DG	BLUE Q/C 6.4*0.8MM TAB DG	PAK	50
QC2-6.4DG/K	KIT OF 20 QC2-6.4DG	KIT	1
QC2-6.4DGHF	BLUE Q/C 6.4*0.8MM TAB DG HF	PAK	50

YELLOW QUICK CONNECT 2.5-6.0MM

- Double grip – separate crimp barrels for conductor and insulation
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip, HF=Halogen Free

Part No.	Description	Unit	Qty
QC5.5-6.4DG	YELLOW Q/C 6.4*0.8MM TAB DG	PAK	50
QC5.5-6.4DG/K	KIT OF 10 QC5.5-6.4DG	KIT	1
QC5.5-6.4DGHF	YELLOW Q/C 6.4*0.8MM TAB DG HF	PAK	50
QC5.5-9.5DG	YELLOW Q/C 9.5*0.8MM TAB DG	PAK	25

TERMINALS

RED FULLY INS QC 0.5-1.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip

Part No.	Description	Unit	Qty
FIQC1.25-4.8/5	FULLY INS.Q/C 4.8*0.5 RED	PAK	50
FIQC1.25-6.4DG	FULLY INS.Q/C 6.4*0.8 RED DG	PAK	50
FIQC1.25-6.4/K	KIT OF 15 FIQC1.25-6.4DG	KIT	1

BLUE FULLY INS QC 1.0-2.6MM



- Unique funnel entry that speeds wire termination – increasing reliability
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip

Part No.	Description	Unit	Qty
FIQC2-4.8/5	FULLY INS.Q/C 4.8*0.5 BLUE	PAK	50
FIQC2-6.4DG	FULLY INS.Q/C 6.4*0.8 BLUE DG	PAK	50
FIQC2-6.4/K	KIT OF 15 FIQC2-6.4DG	KIT	1

YELLOW FULLY INS QC 2.5-6.0MM



- Unique funnel entry that speeds wire termination – increasing reliability
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w DG=Double Grip

Part No.	Description	Unit	Qty
FIQC5.5-6.4DG	FULLY INS.Q/C 6.4*0.8 YELLOW DG	PAK	25
FIQC5.5-6.4/K	KIT OF 10 FIQC5.5-6.4DG	KIT	1

RED MALE TAB 0.5-1.6MM



- Double grip – separate crimp barrels for conductor and insulation
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w HF=Halogen Free

Part No.	Description	Unit	Qty
MT1.25-6.4DG	MALE TAB Q/C 6.4*0.8MM RED DG	PAK	100
MT1.25-6.4DG/K	KIT OF 15 MT1.25-6.4DG	KIT	1
MT1.25-6.4DGHF	MALE TAB Q/C 6.4*0.8MM RED DG HF	PAK	100

BLUE MALE TAB 1-2.6MM



- Double grip – separate crimp barrels for conductor and insulation
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w HF=Halogen Free

Part No.	Description	Unit	Qty
MT2-6.4DG	MALE TAB Q/C 6.4*0.8MM BLUE DG	PAK	100
MT2-6.4DG/K	KIT OF 15 MT2-6.4DG	KIT	1
MT2-6.4DGHF	MALE TAB Q/C 6.4*0.8MM BLUE DG HF	PAK	100

YELLOW MALE TAB 2.5-6.0MM



- Double grip – separate crimp barrels for conductor and insulation
- Conforms to AS 3169 and AS 4437
- Reduces installation errors – PVC Insulated
- Part Numbers /w HF=Halogen Free



Part No.	Description	Unit	Qty
MT5.5-6.4DG	MALE TAB Q/C 6.4*0.8 YELLOW DG	PAK	50
MT5.5-6.4DG/K	KIT OF 10 MT5.5-6.4DG	KIT	1
MT5.5-6.4DGHF	MALE TAB Q/C 6.4*0.8 YELLOW DG HF	PAK	50

RED FULLY INS MALE TAB 0.5-1.6MM

FULLY INS.MALE TAB 6.4*0.8 DG

Unit: PAK Qty: 50



Part No. FIMT1.25-6.4DG

- Double grip - high quality product meeting many international standards
- Reduce installation errors - full insulation
- Conforms to AS 3169 and AS 4437
- Superior long term electrical integrity



BLUE FULLY INS MALE TAB 1-2.6MM

FULLY INS.MALE TAB 6.4*0.8 BLUE DG

Unit: PAK Qty: 50



Part No. FIMT2-6.4DG

- Double grip - high quality product meeting many international standards
- Reduce installation errors - full insulation
- Conforms to AS 3169 and AS 4437
- Superior long term electrical integrity



YELLOW FULLY INS MALE TAB 2.5-6.0MM

FULLY INS.MALE TAB 6.4*0.8 YELLOW DG

Unit: PAK Qty: 25



Part No. FIMT5.5-6.4DG

- Double grip - high quality product meeting many international standards
- Reduce installation errors - full insulation
- Conforms to AS 3169 and AS 4437
- Superior long term electrical integrity



FULLY INS QC FLAG



- Single grip - high quality product meeting many international standards and conforms to AS 3169 and AS 4437
- Reduce installation errors - full insulation
- Funnel entry design speeds up wire terminating
- Superior long term electrical integrity



Part No.	Description	Unit	Qty
FIFQC1.25-6.4	FULLY INS.FLAG Q/C 6.4*0.8 RED	PAK	25
FIFQC2-6.4	FULLY INS.FLAG Q/C 6.4*0.8 BLUE	PAK	25

TERMINALS

END CONNECTORS 0.5-6.6MM



- High quality product - meets international standards
- Conforms to AS 3169 and AS 4437
- PVC insulated

Part No.	Description	Unit	Qty
EC1.25	WIRE SPL.COMB.X SECT.1-2.3MM2	PAK	50
EC2	WIRE SPL.COMB.X SECT.1-3MM2	PAK	50
EC5.5	WIRE SPL.COMB.X SECT 2.6-6.6MM2	PAK	25

WATERPROOF SPLICES



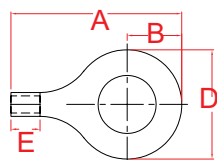
- Featuring a glue lined heat shrink insulation, shrunk onto the wire after crimping
- Completely waterproof connection
- Crimped using standard CABAC or MSSP tooling

Part No.	Nominal Conductor (mm ²)	Colour	Unit	Qty
WPS1.25	0.5 to 1.6	Red	PAK	25
WPS1.25/K	0.5 to 1.6	Red	KIT	1
WPS2	1.0 to 2.6	Blue	PAK	25
WPS2/K	1.0 to 2.6	Blue	KIT	1
WPS5.5	2.5 to 6.0	Yellow	PAK	25
WPS5.5/K	2.5 to 6.0	Yellow	KIT	1

RING TONGUE 10-20MM



- Soldered seam for added strength
- Large diameter rings on a small conductor
- Large ring for large diameter bolt e.g. earth connection
- 100Pk and 50Pk available depending on conductor size

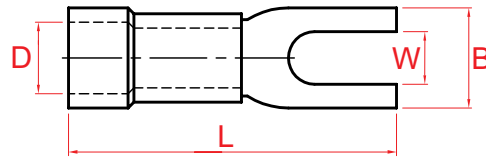


Part No.	Nominal Conductor (mm ²)	Stud Size (mm)	A (mm)	B (mm)	D (mm)	E (mm)	Crimp Tool	Unit	Qty
RTU10-12	10	12	34	11	6.5	8.5	K26 / K27 / K28	PAK	100
RTU10-16	10	16	50	16	8.5	8.5	K26 / K27 / K28	PAK	100
RTU16-16	16	16	54	16	8.5	16.5	K26 / K27 / K28	PAK	50
RTU20-12	20	12	54	16	13	16.5	K28 / K9	PAK	50

LARGE FORKED SPADE 10-16MM2



- Forked Spades for larger conductors than conventional yellow range of terminals
- Funnel entry is provided for ease of wire insertion
- Insulation is black nylon
- Terminals accommodate fine-stranded wire



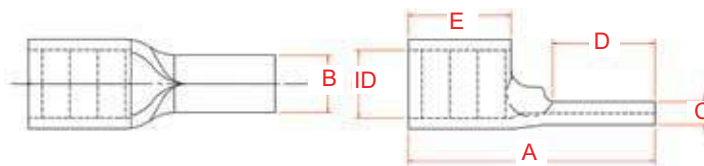
Part No.	Nominal Conductor (mm ²)	Stud Size (mm)	L (mm)	B (mm)	W (mm)	D (mm)	Crimp Tool	Unit	Qty
FS10-4	10	4	26	9.8	4.2	8.2	HNN4 / K25	PAK	10
FS10-5	10	5	35.2	11.5	5.2	8.2	HNN4 / K25	PAK	10
FS16-5	16	5	31	11.5	5.2	9	HNN4 / K25	PAK	10
FS16-4	16	4	31	9.8	4.2	9	HNN4 / K25	PAK	10

UNINSULATED TERMINALS

PIN CONNECTORS UNINSULATED



- Uninsulated PCU range are a larger size pin than the normal terminal style
- Use to connect narrow tunnels in switchgear
- Available Sizes: 10-70mm²



Part No.	Nominal Conductor (mm ²)	ID Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Tool	Unit	Qty
PCU10	10	4.8	23	4.5	2.5	10.8	8	K25/K26	PAK	50
PCU16	16	5.9	27	5.5	2.5	12	10.1	K25/K26	PAK	50
PCU25	25	7.4	31	7.5	3.5	13.2	11.5	K28/K9	PAK	50
PCU35	35	8.9	38	8.5	3.5	18.7	12.5	K9/K05/K06	PAK	50
PCU50	50	10.1	44	9.5	4	17.5	16.2	K9/K05/K06	EA	1
PCU70	70	12	45	10.5	4	18	18.4		EA	1

TERMINALS

RING TERMINALS UNINSULATED



- Soldered seam for added strength
- 99.9% annealed Copper, tin electroplated
- High quality product - meets international standards

Part No.	Description	Unit	Qty
RTU1.25-3	UNINSULATED RING TERMINAL 3MM	PAK	100
RTU1.25-4	UNINSULATED RING TERMINAL 4MM	PAK	100
RTU1.25-5	UNINSULATED RING TERMINAL 5MM	PAK	100
RTU1.25-6	UNINSULATED RING TERMINAL 6MM	PAK	100
RTU1.25-8	UNINSULATED RING TERMINAL 8MM	PAK	100
RTU1.25-10	UNINSULATED RING TERMINAL 10MM	PAK	50
RTU2-3	UNINSULATED RING TERMINAL 3MM	PAK	100
RTU2-4	UNINSULATED RING TERMINAL 4MM	PAK	100
RTU2-5	UNINSULATED RING TERMINAL 5MM	PAK	100
RTU2-6	UNINSULATED RING TERMINAL 6MM	PAK	100
RTU2-8	UNINSULATED RING TERMINAL 8MM	PAK	100
RTU2-10	UNINSULATED RING TERMINAL 10MM	PAK	50
RTU5.5-4	UNINSULATED RING TERMINAL 4MM	PAK	100
RTU5.5-5	UNINSULATED RING TERMINAL 5MM	PAK	100
RTU5.5-6	UNINSULATED RING TERMINAL 6MM	PAK	100
RTU5.5-8	UNINSULATED RING TERMINAL 8MM	PAK	50
RTU5.5-10	UNINSULATED RING TERMINAL 10MM	PAK	50
RTU5.5-12	UNINSULATED RING TERMINAL 12MM	PAK	50
RTU5.5-16	UNINSULATED RING TERMINAL 16MM	PAK	50

FORKED SPADES UNINSULATED



- Uninsulated single grip - high quality product meeting many international standards
- Use when uninsulated forked spade is required
- Unique forked spade design speeds up wire terminating
- Superior long term electrical integrity

Part No.	Description	Unit	Qty
FSU1.25-3	UNINSULATED FORKED SPADE 3MM	PAK	100
FSU1.25-4	UNINSULATED FORKED SPADE 4MM	PAK	100
FSU1.25-5	UNINSULATED FORKED SPADE 5MM	PAK	100
FSU2-3	UNINSULATED FORKED SPADE 3MM	PAK	100
FSU2-4	UNINSULATED FORKED SPADE 4MM	PAK	100
FSU2-5	UNINSULATED FORKED SPADE 5MM	PAK	100
FSU5.5-4	UNINSULATED FORKED SPADE 4MM	PAK	100
FSU5.5-5	UNINSULATED FORKED SPADE 5MM	PAK	100
FSU5.5-6	UNINSULATED FORKED SPADE 6MM	PAK	50

BRASS TERMINALS

BRASS FLAG



- Brass single grip - high quality product meeting many international standards
- Reduce installation errors
- Funnel entry design speeds up wire terminating

Part No.	Description	Unit	Qty
QCB2-6.4F	BRASS FLAG 6.4*0.8MM	PAK	100
QCB2-6.4F/K	KIT OF 20 QCB2-6.4F	KIT	1

BRASS MALE TAB



- Uninsulated brass single grip
- High quality product meeting many international standards
- Funnel entry design speeds up wire terminating

Part No.	Description	Unit	Qty
MTB1.25-6.4	MALE TAB Q/C 6.4*0.8 BRASS	PAK	100
MTB1.25-6.4/K	KIT OF 20 MTB1.25-6.4	KIT	1

BRASS QC TERMINALS



- Brass single grip - high quality product meeting many international standards
- Reduce installation errors
- Funnel entry design speeds up wire terminating

Part No.	Description	Unit	Qty
QCB1.25-2.8	BRASS QUICK CONN 2.8*0.5MM	PAK	100
QCB1.25-4.8	BRASS QUICK CONN 4.8*0.8MM	PAK	100
QCB1.25-6.4	BRASS QUICK CONN 6.4*0.8MM	PAK	100
QCB1.25-6.4/K	KIT OF 20 QCB1.25-6.4	KIT	1

RING STAR BRASS



- Brass crimp ring
- Ideal for terminating wires
- High quality product - meets international standards

Part No.	Description	Unit	Qty
RS-5	RING STAR LUG 5MM STUD HOLE	PAK	50
RS-5/K	KIT OF 20 RS-5	KIT	1
RS-6	RING STAR LUG 6MM STUD HOLE	PAK	50
RS-6/K	KIT OF 20 RS-6	KIT	1

QUICK CONNECTOR NICKEL SILVER



- Nickel silver single grip - high quality product meeting many international standards
- Reduce installation errors
- Funnel entry design speeds up wire terminating
- Heat Rating: 160 degrees Celsius

Part No.	Description	Unit	Qty
QCN1.25-6.4	NICKEL SILVER Q/C-STOVE ELEMENT	PAK	100
QCN1.25-6.4/K	KIT OF 20 QCN1.25-6.4	KIT	1

TERMINALS

BRASS PIGGY BACK ADAPTORS



- Brass quick connector without insulation
- Dimension of connection W6.4 x T0.8 mm
- High quality product - meets international standards
- Used with male and female quick connectors

Part No.	Description	Unit	Qty
PBA6.4	BRASS PIGGY BACK ADAPTOR 6.4	PAK	50
PBA6.4/K	KIT OF 20 PBA6.4	KIT	1

TERMINAL KITS

TERMINAL KITS

PRE-INSUL TERMINAL KIT AND K10/3

Unit: KIT Qty: 1



Part No. KPBK3

- Economy kit supplied with crimp tool (Part No. K10/3)
- Includes the following terminals in a sturdy plastic box
- 20 each of FIQC1.25-6.4DG, FIQC2-6.4DG, FS1.25-4, FS2-4, ILS1.25,
- ILS2, PC1.25, QCN1.25-6.4, RT1.25-5, RT2-5
- Professional kits also available

PRE-INSUL TERMINAL KIT AND KTC1

Unit: KIT Qty: 1



Part No. KPBK6

- Professional kit supplied with a quality ratchet crimp tool (Part No. KTC1)
- Includes the following terminals in a sturdy plastic box
- 20 each of FIQC1.25-6.4DG, FIQC2-6.4DG, FS1.25-4, FS2-4, ILS1.25,
- ILS2, PC1.25, QCN1.25-6.4, RT1.25-5, RT2-5
- Economy kit also available

KSB-BL & ASSORTED TERMINALS

Unit: EA Qty: 1



Part No. KTB

- Basic terminal kit packed in a sturdy metal box (Part No. KSB-BL)
- Contains 25 each of: FBC1.25DG, FB2DG, FIQC1.25-6.4DG,
- FIQC2-6.4DG, FS1.25-4, FS2-4, ILS1.25, ILS2, MBC1.25DG, MBC2DG,
- PC1.25, PC2, PBA6.4, QC1.25-6.4DG, QC2-6.4DG, RT1.25-4, RT1.25-5,
- RT2-5, RT2-6, RT5.5-5

KTB BOX WITH K10/3

Unit: KIT Qty: 1



Part No. KTBT1

- Basic terminal kit supplied with crimp tool (Part No. K10/3)
- Contains 25 each of: FBC1.25DG, FB2DG, FIQC1.25-6.4DG,
- FIQC2-6.4DG, FS1.25-4, FS2-4, ILS1.25, ILS2, MBC1.25DG, MBC2DG,
- PC1.25, PC2, PBA6.4, QC1.25-6.4DG, QC2-6.4DG, RT1.25-4, RT1.25-5,
- RT2-5, RT2-6, RT5.5-5

KTB BOX WITH HP3

Unit: KIT Qty: 1



Part No. KTBT2

- Basic terminal kit supplied with a quality ratchet crimp tool (Part No. HP3)
- Contains 25 each of: FBC1.25DG, FB2DG, FIQC1.25-6.4DG,
- FIQC2-6.4DG, FS1.25-4, FS2-4, ILS1.25, ILS2, MBC1.25DG, MBC2DG,
- PC1.25, PC2, PBA6.4, QC1.25-6.4DG, QC2-6.4DG, RT1.25-4, RT1.25-5,
- RT2-5, RT2-6, RT5.5-5

KTB BOX WITH KTC1

Unit: KIT Qty: 1



Part No. KTB-T3

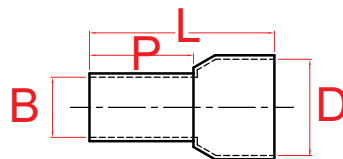
- Basic terminal kit supplied with a budget ratchet crimp tool (Part No. KTC1)
- Contains 25 each of: FBC1.25DG, FB2DG, FIQC1.25-6.4DG,
- FIQC2-6.4DG, FS1.25-4, FS2-4, ILS1.25, ILS2, MBC1.25DG, MBC2DG,
- PC1.25, PC2, PBA6.4, QC1.25-6.4DG, QC2-6.4DG, RT1.25-4, RT1.25-5,
- RT2-5, RT2-6, RT5.5-5

BOOTLACE TERMINALS

0.25MM-6MM BOOTLACE TERMINALS



- Terminate stranded conductors, containing all strands in thin walled copper sleeve crimped to conductor
- Crimp holds on sleeve until housing screw makes connection
- Crimp with one of our HNKE range of crimp tools.
- Part Numbers /w HF=Halogen Free



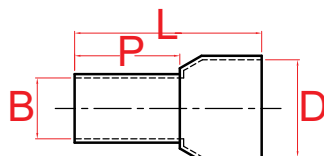
Part No.	Nominal Conductor (mm ²)	B (mm)	D (mm)	L (mm)	P (mm)	Colour	Unit	Qty
BLP025	0.25	0.75	1.9	10	6	Violet	PAK	100
BLP025HF	0.25	0.75	1.9	10	6	Violet	PAK	100
BLP034	0.34	0.8	1.9	10	6	Pink	PAK	100
BLP034HF	0.34	0.8	1.9	10	6	Pink	PAK	100
BLP050	0.5	1.3	3.4	14	8	White	PAK	100
BLP050HF	0.5	1.3	3.4	14	8	White	PAK	100
BLP050-10HF	0.5	1	2.6	16	10	White	PAK	100
BLP050/500	0.5	1.3	3.4	14	8	White	PAK	500
BLP075	0.75	1.5	3.8	14	8	Blue	PAK	100
BLP075HF	0.75	1.5	3.8	14	8	Blue	PAK	100
BLP075-10HF	0.75	1.2	2.8	16	10	Blue	PAK	100
BLP075/500	0.75	1.5	3.8	14	8	Blue	PAK	500
BLP100	1	1.7	4.1	14	8	Red	PAK	100
BLP100HF	1	1.7	4.1	14	8	Red	PAK	100
BLP100-10HF	1	1.4	3	16	10	Red	PAK	100
BLP100/500	1	1.7	4.1	14	8	Red	PAK	500
BLP150	1.5	2	4.6	14	8	Black	PAK	100
BLP150HF	1.5	2	4.6	14	8	Black	PAK	100
BLP150-10HF	1.5	1.7	3.5	16	10	Black	PAK	100
BLP150-12HF	1.5	1.7	3.5	18	12	Black	PAK	100
BLP150-18	1.5	2	4.6	24	18	Black	PAK	100
BLP150-18HF	1.5	2	4.6	24	18	Black	PAK	100
BLP150/500	1.5	2	4.6	14	8	Black	PAK	500
BLP250	2.5	2.6	4.9	14	8	Grey	PAK	100
BLP250HF	2.5	2.6	4.9	14	8	Grey	PAK	100
BLP250-18	2.5	2.6	4.9	24	18	Grey	PAK	100
BLP250-12HF	2.5	2.6	4.9	24	12	Grey	PAK	100
BLP250-18HF	2.5	2.6	4.9	24	18	Grey	PAK	100
BLP400	4	3.2	5.8	18	10	Orange	PAK	100
BLP400HF	4	3.2	5.8	18	10	Orange	PAK	100
BLP400-18	4	3.2	4.8	26	18	Orange	PAK	100
BLP400-18HF	4	3.2	4.8	26	18	Orange	PAK	100
BLP600	6	3.9	6.9	20	12	Green	PAK	50
BLP600HF	6	3.9	6.9	20	12	Green	PAK	50
BLP600-18	6	3.9	6.9	26	18	Green	PAK	50
BLP600-18HF	6	3.9	6.9	26	18	Green	PAK	50

TERMINALS

10-120MM2 BOOTLACE



- Terminate stranded conductors, containing all strands in thin walled copper sleeve crimped to conductor
- Crimp holds on sleeve until housing screw makes connection
- Crimp with one of our HNKE range of crimp tools.
- Part Numbers /w HF=Halogen Free



Part No.	Nominal Conductor (mm ²)	B (mm)	D (mm)	L (mm)	P (mm)	Colour	Unit	Qty
BLP1000	10	4.9	8.4	22	12	Brown	PAK	25
BLP1000HF	10	4.9	8.4	22	12	Brown	PAK	25
BLP1000-18	10	4.9	8.4	28	18	Brown	PAK	25
BLP1000-18HF	10	4.9	8.4	28	18	Brown	PAK	25
BLP1600	16	6.2	9.6	24	12	Ivory	PAK	25
BLP1600HF	16	6.2	9.6	24	12	Ivory	PAK	25
BLP1600-18	16	6.2	9.6	28	18	Ivory	PAK	25
BLP1600-18HF	16	6.2	9.6	28	18	Ivory	PAK	25
BLP2500	25	7.7	12	28	16	Black	PAK	10
BLP2500HF	25	7.7	12	28	16	Black	PAK	10
BLP2500-22	25	7.3	11.2	36	22	Black	PAK	10
BLP3500	35	8.7	13.5	30	16	Red	PAK	10
BLP3500HF	35	8.7	13.5	30	16	Red	PAK	10
BLP3500-25	35	8.3	12.7	39	25	Red	PAK	10
BLP5000	50	10.9	16	36	20	Blue	PAK	10
BLP5000HF	50	10.9	16	36	16	Blue	PAK	10
BLP7000	70	14.3	17.2	37	21	Yellow	PAK	5
BLP7000HF	70	14.3	17.2	37	21	Yellow	PAK	5
BLP9500	95	15.5	19.2	44	25	Red	PAK	3
BLP9500HF	95	15.5	19.2	44	25	Red	PAK	3
BLP12000	120	17.6	21.4	48	27	Blue	PAK	3
BLP12000HF	120	17.6	21.4	48	27	Blue	PAK	3

BOOTLACE KITS

BOOTLACE PIN KIT 050-250

Unit: KIT Qty: 1



Part No. BLPK1

- Handy assortment of boot lace pin connectors in our most popular sizes for day to day use
- Easy to use and store in your tool box
- Keeps your terminals sorted in their various sizes and colours
- Contains 100 x BLP050, BLP075, BLP100, BLP150, 50 X BLP250

BOOTLACE PIN KIT 400-1600

Unit: KIT Qty: 1



Part No. BLPK2

- Handy assortment of boot lace pin connectors in our most popular sizes for day to day use
- Easy to use and store in your tool box
- Keeps your terminals sorted in their various sizes and colours
- Contains: 50 x BLP400, 20 x BLP600, BLP1000, 10 x BLP1600

BOOT LACE PIN KIT AND HNKE6

Unit: KIT Qty: 1



Part No. BLPKIT1

- Handy assortment of boot lace pin connectors in our most popular sizes for day to day use
- Easy to use and store in your tool box
- Contains 100pc -BLP050/BLP075/BLP100/BLP150/BLP250/BLP400
- BLPT075/BLPT100/BLPT150/BLPT250
- HNKE6 Crimper Included

BOOT LACE PIN KIT AND HNKE5

Unit: KIT Qty: 1



Part No. BLPKIT2

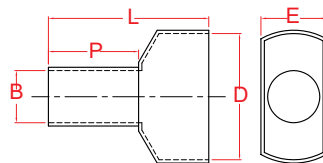
- Handy assortment of boot lace pin connectors in our most popular sizes for day to day use
- Easy to use and store in your tool box
- Contains 100pc -BLP050/BLP075/BLP100/BLP150/BLP250/BLP400
- BLPT075/BLPT100/BLPT150/BLPT250
- HNKE5 Crimper Included

BOOTLACE TWIN CABLE TERMINALS

TWIN BOOTLACE TERMINALS



- Specifically designed to terminate two wires in the same terminal
- A quick and easy way to terminate two wires
- Developed for use in smaller switches and devices



Part No.	Nominal Conductor (mm ²)	B (mm)	D (mm)	E (mm)	L (mm)	P (mm)	Colour	Unit	Qty
BLPT075	2 X 0.75	1.8	5	2.8	15	8	Grey	PAK	100
BLPT075HF	2 x 0.75	1.8	5	2.8	15	8	Grey	PAK	100
BLPT100	2 x 1.0	2.05	5.4	3.4	15	8	Red	PAK	100
BLPT100HF	2 x 1.0	2.05	5.4	3.4	15	8	Red	PAK	100
BLPT150	2 x 1.5	2.3	6.6	3.6	16	8	Black	PAK	100
BLPT150HF	2 x 1.5	2.3	6.6	3.6	15	8	Black	PAK	100
BLPT250	2 x 2.5	2.8	7.8	4.2	18.5	10	Blue	PAK	100
BLPT250HF	2 x 2.5	2.8	7.8	4.2	18.5	10	Blue	PAK	100
BLPT400	2 x 4.0	3.7	8.8	4.9	23	12	Grey	PAK	50
BLPT400HF	2 x 4.0	3.7	8.8	4.9	23	12	Grey	PAK	50
BLPT600	2 x 6.0	4.8	10	6.9	26	14	Yellow	PAK	25
BLPT600HF	2 x 6.0	4.8	10	6.9	26	14	Yellow	PAK	25

INTRODUCING CABAC CERTIFIED COMMUNICATION CONNECTORS AND TOOLS

CABAC Telecom Splice Connectors are specifically designed to quickly connect two or three telecom conductors. Simply insert the un-stripped wires, and crimp the cap of the connector using a CABAC TELSP2 tool, and the wires are connected forever.

- CABAC Telecom Splice Connectors are certified to AS S008:2010
- CABAC Telecom Splice Connectors comply with ACMA requirements for use in Telecommunications applications as Supplier E1508
- Contact pins are tin plated brass
- Connectors are filled with dimethyl silicone fluid insulation
- Bodies are made from polycarbonate plastic that resists splitting, rough handling and solvents

The connection method is Insulation Displacement Connection (IDC), which is proven to be the most stable in the long term. Two IDC elements are used in each connection for greater joint integrity. Ensure any crimp tool used has a parallel action, like the CABAC TELSP2 tool which is recommended for this application.



3M Material Description	CABAC Part No.	Material Description
3M Scotchlok UY2	374CUY2-C	TELECOM SPLICE CONNECTORS YL 2W 100PK
3M Scotchlok UR2	374CUR2-C	TELECOM SPLICE CONNECTORS RED 3W 100PK

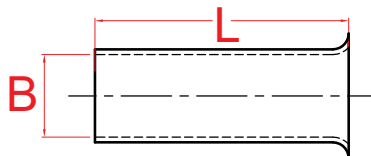


BOOTLACE UNINSULATED TERMINALS

UNINSULATED BOOTLACE TERMINALS



- Used to terminate conductors by containing the strands in a thin walled Copper sleeve that is crimped onto the conductor
- Crimp holds on sleeve until housing screw makes connection
- Crimp with one of our HNKE range of crimp tools



Part No.	Nominal Conductor (mm ²)	B (mm)	L (mm)	Unit	Qty
BLPU050	0.5	1	8	PAK	100
BLPU075	0.75	1.2	8	PAK	100
BLPU100	1	1.4	10	PAK	100
BLPU150	1.5	1.7	10	PAK	100
BLPU250	2.5	2.2	10	PAK	100
BLPU400	4	2.8	12	PAK	100
BLPU600	6	3.5	12	PAK	100
BLPU1000	10	4.5	12	PAK	25
BLPU1600	16	5.8	12	PAK	25
BLPU2500	25	7.3	18	PAK	10
BLPU3500	35	8.3	18	PAK	10
BLPU5000	50	10.3	20	PAK	10
BLPU7000	70	13.5	25	PAK	5
BLPU9500	95	14.7	32	PAK	3
BLPU12000	120	16.7	32	PAK	3

SPECIAL TERMINALS

RED FORK SPADE FLANGE STYLE



- Double grip - high quality product meeting many international standards
- Reduce installation errors - full insulation
- Conforms to AS 3169 and AS 4437
- Superior long term electrical integrity



Part No.	Nominal Conductor (mm ²)	Stud Size (mm)	Unit	Qty
FSF1.25-3DG	0.5 to 1.6	3	PAK	100
FSF1.25-4DG	0.5 to 1.6	4	PAK	100

BLUE FORK SPADE FLANGE STYLE



- Double grip - high quality product meeting many international standards
- Reduce installation errors - full insulation
- Conforms to AS 3169 and AS 4437
- Superior long term electrical integrity



Part No.	Nominal Conductor (mm ²)	Stud Size (mm)	Unit	Qty
FSF2-3DG	1.0 to 2.6	3	PAK	100
FSF2-4DG	1.0 to 2.6	4	PAK	100
FSF2-5DG	1.0 to 2.6	5	PAK	100

TERMINALS

IP57 BULLETS



- Designed for hostile environments - made from flame retardant nylon insulation to UL94V-2
- Rated voltage of 300V
- Protects joint from water
- Ideal for swap out equipment and temporary connections



Part No.	Conductor Range (mm)	OD Wire Diameter (mm)	Unit	Qty
MBC1.25/IP57	0.75-1.25	2.6-3.2	PAK	25
FBC1.25/IP57	0.75-1.25	2.6-3.2	PAK	25
MBC2/IP57	1.0-2.6	3.0-3.6	PAK	25
FBC2/IP57	1.0-2.6	3.0-3.6	PAK	25

IP57 IN LINE SPLICES



- Designed for hostile environments - made from flame retardant nylon insulation to UL94V-2
- Rated voltage of 300V
- Protects joint from water



Part No.	Conductor Range (mm)	OD Wire Diameter (mm)	Unit	Qty
ILS1.25/IP57	0.75-1.25	2.6-3.2	PAK	50
ILS2/IP57	1.0-2.6	3.0-3.6	PAK	50

WINDOW SPLICES



- Designed with a window in the centre of the splice that can be seen through translucent insulation
- Used when conductor connectivity is critical
- Crimped with standard CABAC tooling
- Red, blue and yellow insulation colour available

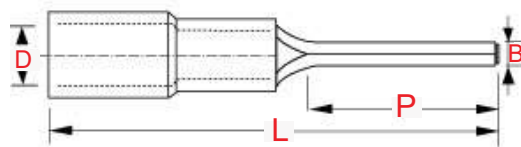


Part No.	Nominal Conductor (mm ²)	Colour	Unit	Qty
ILS1.25WS	0.5 to 1.6	Red	PAK	50
ILS2WS	1.0 to 2.6	Blue	PAK	50
ILS5.5WS	2.5 to 6.0	Yellow	PAK	25

LARGE PIN CONNECTORS



- Insulated pin connectors for larger conductors than the conventional range of yellow terminals
- Insulation is made from black nylon
- Featuring funnel entry for ease of insertion
- Accommodates fine stranded wire



Part No.	Nominal Conductor (mm ²)	L (mm)	B (mm)	P (mm)	D (mm)	Crimp Tool	Unit	Qty
PC10	10	35	4.2	14.5	8	K25 / HNN4	PAK	10
PC16	16	41	5.5	18	9.2	K25 / HNN4	PAK	10
PC25	25	45	6.8	20.3	11.1	K28	PAK	10
PC35	35	55	8	24.5	13.6	K9	PAK	5

TERMINAL BLOCK PINS

RED PIN 0.3-1.56



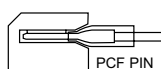
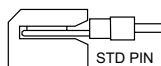
Part No. PCF1.25

Unit: PAK

Qty: 100

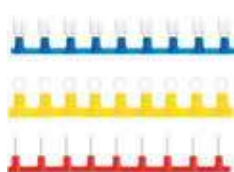


- Long skinny pin with insulation tapering towards the pin
- May use with commercially available terminal blocks
- Translucent insulation for crimp inspection
- Conductor Range 0.3-1.56mm² with 11mm Pin Length
- Crimp with standard CABAC tooling



ICT MACHINE APP

ICT MACHINE APPLIED TERMINALS



- Connected Insulated Terminal
- Easy to crimp
- ICT crimping get a consistent quality crimp

Part No.	Description	Unit	Qty
IFIQC1.25-4.8	ICT TERM.INS Q/C RED	ROL	1500
IFIQC1.25-4.8.5	ICT TERM.INS Q/C RED	ROL	1500
IFIQC1.25-6.4	ICT TERM.INS Q/C RED	ROL	1000
IFIQC2-6.4	ICT TERM.INS Q/C BLUE	ROL	1000
IFS1.25-3	ICT TERM.SPADE RED 3MM	ROL	1500
IFS1.25-4	ICT TERM.SPADE RED 4MM	ROL	1500
IFS2-3	ICT TERM. SPADE BLUE 3MM	PAK	1500
IPC1.25	ICT TERM.PIN CONN.RED	ROL	1500
IRT1.25-4	ICT TERM.RING RED 4MM	ROL	1500
IRT1.25-5	ICT TERM.RING RED 5MM	ROL	1500
IRT2-5	ICT TERM.RING BLUE 5MM	ROL	1500
IRT2-6	ICT TERM.RING BLUE 6MM	ROL	1500
IRT5.5-5	ICT TERM.RING YELLOW 5MM	ROL	1000
IRT5.5-6	ICT TERM.RING YELLOW 6MM	ROL	1000

SPLICE CONNECTORS

SPLICES



- Internal contact pins are tin plated brass and bodies are Polycarbonate - supplied in pack of 100
- Certified to AS S008:2010
- Filled with dimethyl silicone fluid insulation



Part No.	No. Of Conductors	Max Range Dia. (mm)	Insulation (mm)	Cap Colour	Unit	Qty
374CUR2-C	3	0.4-0.9	2.1	Red	EA	1
374CUI2-C	2	0.4-0.9	2.1	Yellow	EA	1

TERMINALS

SOLDER SPLICES

SOLDER SPLICES



- Adhesive lined heat shrink tube containing a sleeve of low melt point fluxed solder
- Complete sealed soldered joint - created in one go
- Good strain relief and high vibration resistance
- Ideal for connections in hostile or moist environments



Part No.	Nominal Conductor (mm ²)	Colour	Unit	Qty
SSCL-X	0.1 - 0.5	Clear	PAK	10
SSRD-X	0.5 - 1.0	Red	PAK	10
SSBL-X	1.0 - 2.0	Blue	PAK	10
SSYL-X	2.0 - 6.0	Yellow	PAK	10

INSULATED SCREW CONNECTORS

CABAC INSULATED SCREW CONNECTORS



- Heavy-duty insulated screw connectors for a max. of 2 x 6mm² cables
- Available in one or two screw formats
- Clear plastic housing so termination can be visually checked
- Rated for normal 240/415V applications



Part No.	Description	Unit	Qty
C32A2	32 AMP TWIN SCREW INS.CONN PK50	PAK	50
C32A1	32 AMP SINGLE SCREW INS.CONN PK100	PAK	100

ECCO PACIFIC INSULATED SCREW CONNECTORS



- Heavy-duty insulated screw connectors for a max. of 2 x 6mm² cables
- Available in one or two screw formats
- Clear plastic housing so termination can be visually checked
- Rated for normal 240/415V applications



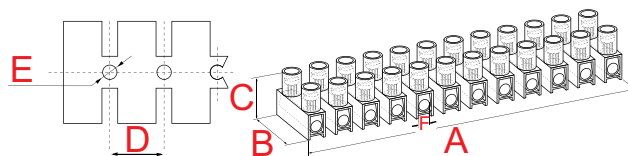
Part No.	Description	Unit	Qty
G800010	DOUBLE SCREW CONNECT 32AMP 50PCS JAR	BOX	50
G800020	SINGLE SCREW CONNECT 32AMP 100PCS JAR	BOX	100

TERMINAL BLOCK STRIPS

TERMINAL BLOCK STRIPS



- High quality wire protect style blocks with plated steel screws
- Manufactured from Polyamide 66
- Nickel plated brass terminals
- Supplied in 12 way strips - cut down to your requirements



Part No.	Nominal Amp Rating	Max Conductor Size (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Unit	Qty
TB3/12WAY	3	2.5	94	16.5	15	8	2	2.8	EA	1
TB6/12WAY	6	2.5	118	19.5	16	10	3	3.2	EA	1
TB10/12WAY	10	4	130	20.5	17	11	3.2	3.6	EA	1
TB10/12WAY-50	10	4	130	20.5	17	11	3.2	3.6	PAK	50
TB15/12WAY	15	6	138	23.6	18.5	11.5	3.2	4.4	EA	1
TB30/12WAY	30	10	174	27	22.5	15	4	5.2	EA	1

Tapes, Heatshrink, Joints and Terminations

Electrical Tapes	A88
Splicing and Insulating	A91
Sealing and Insulation Tapes	A91
Special Use Tapes	A92
Warning Marker Tapes	A93
Heatshrink Kits	A100
XLH Thinwall High Shrink	A101
XDW Thinwall Glue Lined	A101
SMDW Medium Wall	A101
STDW Thick Wall	A102
KEV Boots and Gloves	A103
SRE End Caps	A104
Heatshrink Zip Tube	A104
Consumer Mains Pit Kit	A105
LV Resin	A108
LV Resin Joint Kits	A109
LV Heat Shrink Joint Kits	A110
LV Heat Shrink End Caps	A113
LV Cold Shrink EPDM Tubes	A114
LV Cold Shrink EPDM Caps	A114
Constant Force Springs	A115
SE Type Single Cable Clamps	A118
SEG Type Cable Clamp	A118
IM Type Cable Clamps	A119
Trefoil Triple Type Clamps	A119
Single Cable Cleats	A120
Trefoil Cable Cleats	A120

INTRODUCING CABPRO PROFESSIONAL TAPES

CABAC has been developing electrical tapes for over 25 years. The new CABPRO Professional range is the very best yet and is suitable for low and medium voltage electrical insulation applications.

CABAC Professional CABPRO Electrical tapes are all certified to standard.

CABAC Professional CABPRO 2710, Mega 43+ and Mega 45+ are certified by UL and CSA.

CABAC Professional CABPRO 2610 is certified by VDE.

CABAC also offers a wide range of tapes for other special purposes.

TAPE TIPS

1. The most important tape tip is to stretch the tape when you apply so that the tape will maintain radial tension and so that it conforms to the shape of the object being taped.
2. Overlap approximately 30% of the width of the tape.
3. It is much better to cut tape rather than tear it.
4. When wrapping a product with sharp edges first apply a rubber or mastic tape to mask the sharp edges BEFORE you finish with electrical tape.
5. In cold environments make sure you use a tape with the appropriate specification i.e. 2710 or MEGA 43+.
6. In very hot environments over 80°C do not use electrical tape use a special purpose tape.
7. Never cover electrical tape with any kind of insulation if the application is expected to heat over 70°C as this can create a fire hazard.
6. Tapes have a shelf life. Dispose of tapes over 5 years old.



Certificate Number: CLC-CAB1202-V2

Test Standards: UL-510 Polyvinyl Chloride, Polyethylene, and Rubber Insulating Tape; DIN EN60454-3-1 (VDE Teil 3-1); 2002-03; EN60454-3-1:1998+A1:2001; CSA Standard C22.2 No197-PVC Insulating Tape

Part Number: Cabpro 2610 & 2710, Mega 43+, Mega 45+, PVC Electrical Tape range: T030030-34, 36, 41, 58, 39, 40; T030050-56; T030205; T030021-23; T030012-16

Test Report: CLR-CAB1200-V1 and CLR-CAB1202-V2

TEST CERTIFICATE

Test Completed Date: 30 August 2016

Subject: PVC Electrical Tape test to UL-510, VDE and CSA Test

Specification: UL-510; VDE and CSA Requirements

Conclusion:
PASS

The Cabpro 2610 & 2710, Mega 43+, Mega 45+ PVC Electrical Tape Range meets the requirements of UL-510, DIN EN60454-3-1 (VDE Teil 3-1) and CSA Standard C22.2 No197 as follows:

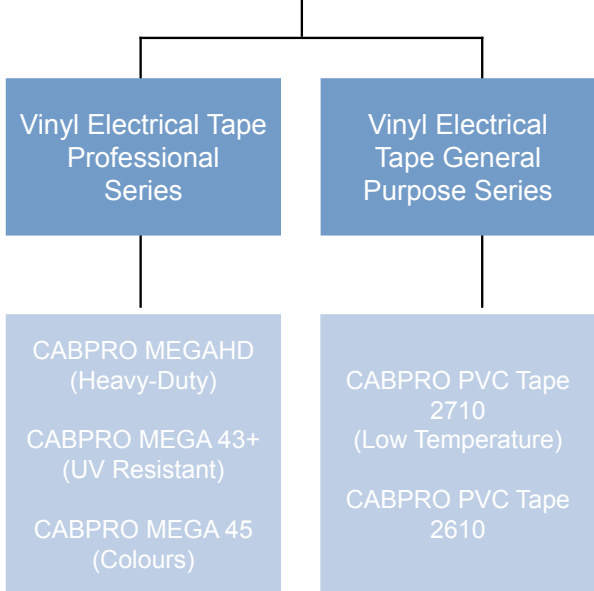
Cabpro	UL	VDE	CSA
2710	Y	Y	Y
Mega 43+	Y	Y	Y
Mega 45+	Y	Y	Y
2610	-	Y	-

Tested By: Sangbum Park
Test Engineer

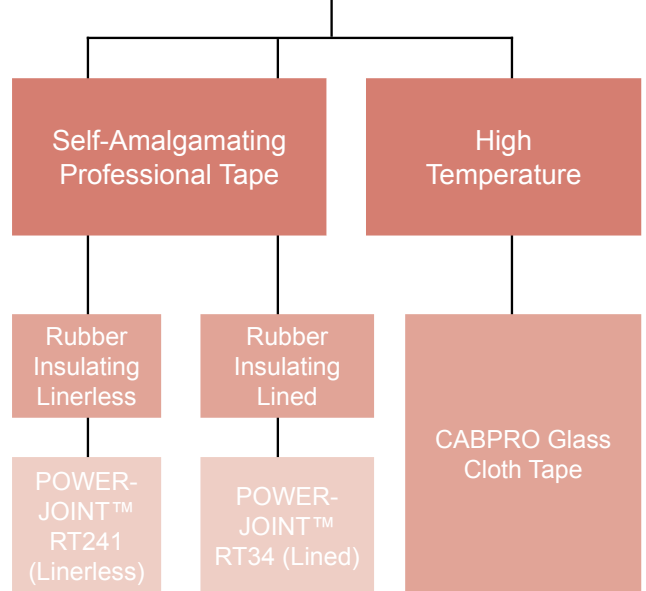
Approved By: John Murlagh
National QA Manager

Date: 16 September 2016

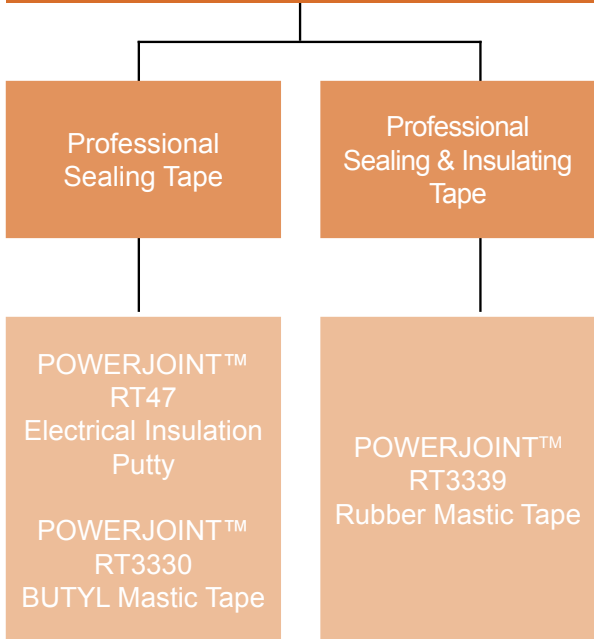
**PROFESSIONAL
PVC ELECTRICAL TAPES**



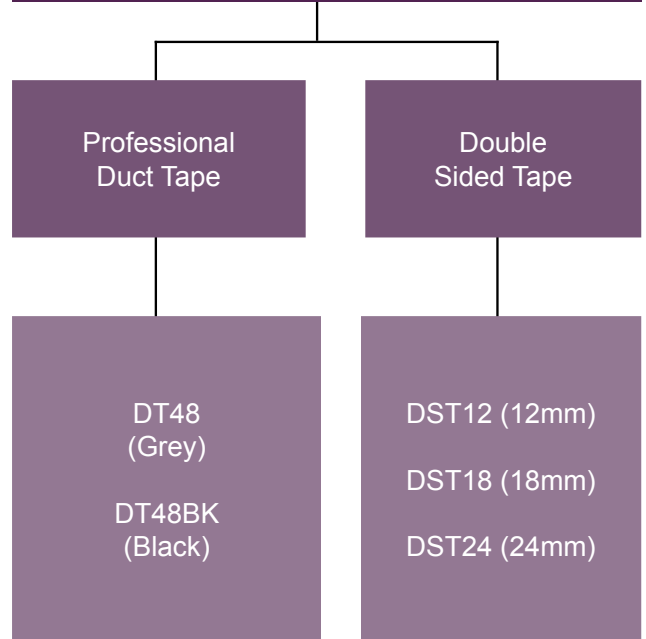
**SPLICING & INSULATING
TAPES**



SEALING & INSULATING TAPES



SPECIAL USE TAPES



TAPES

ELECTRICAL TAPES

2610 PVC TAPES



- General purpose PVC insulating tape available in a range of colours
- Applications: Phase Identification, Colour Coding, Harnessing
- Operating Temperature: 0 to 90 Degrees Celsius
- Thickness 0.15mm
- Rated to 600V



Part No.	Description	Unit	Qty
T030030BK	CABPRO PVC TAPE 2610 - 19MM X 20M BLACK	PAK	10
T030031BL	CABPRO PVC TAPE 2610 - 19MM X 20M BLUE	PAK	10
T030058GY	CABPRO PVC TAPE 2610 - 19MM X 20M GREY	PAK	10
T030040OR	CABPRO PVC TAPE 2610 - 19MM X 20M ORANGE	PAK	10
T030033RD	CABPRO PVC TAPE 2610 - 19MM X 20M RED	PAK	10
T030034WH	CABPRO PVC TAPE 2610 - 19MM X 20M WHITE	PAK	10
T030041YG	CABPRO PVC TAPE 2610 - 19MM X 20M YEL/GRN	PAK	10
T030036RBW	CABPRO PVC TAPE 2610 - RAINBOW 20M 10PACK	EA	1

2710 PVC TAPES



- A low-temperature, flame retardant, weather resistant, lead free PVC insulating tape
- Resistant to oils, acids, chemicals and alkalis
- Operating Temperature: 0 to 80 Degrees Celsius
- Listed UL 510, CSA 2.2, VDE
- Rated to 600V



Part No.	Description	Unit	Qty
T030050BK	CABPRO PVC TAPE 2710 - 18MM X 20M BLACK	PAK	10
T030051BL	CABPRO PVC TAPE 2710 - 18MM X 20M BLUE	PAK	10
T030052G	CABPRO PVC TAPE 2710 - 18MM X 20M GREEN	PAK	10
T030053RD	CABPRO PVC TAPE 2710 - 18MM X 20M RED	PAK	10
T030054WH	CABPRO PVC TAPE 2710 - 18MM X 20M WHITE	PAK	10
T030055YL	CABPRO PVC TAPE 2710 - 18MM X 20M YELLOW	PAK	10
T030205YG	CABPRO PVC TAPE 2710 - 18MM X 20M YEL/GRN	PAK	10
T030056RBW	CABPRO PVC TAPE 2710 - RAINBOW 20M 10PACK	EA	1

PVCELECTRICALTAPES-GENERALPURPOSE

3M Part No.	3M Material Description	Old Part No.	CABAC New Part No.	Material Description
AE010586764	PVC TAPE 1610 BLACK 19MM X 20M	T030030	T030030BK	CABPRO PVC TAPE 2610 BLACK 19MM X 20M
AE010586756	PVC TAPE 1610 WHITE 19MM X 20M	T030034	T030034WH	CABPRO PVC TAPE 2610 WHITE 19MM X 20M
AE010586731	PVC TAPE 1610 RED 19MM X 20M	T030033	T030033RD	CABPRO PVC TAPE 2610 RED 19MM X 20M
AE010586749	PVC TAPE 1610 BLUE 19MM X 20M	T030031	T030031BL	CABPRO PVC TAPE 2610 BLUE 19MM X 20M
AE010586723	PVC TAPE 1610 GREEN/YELLOW 19MM X 20M	T030041	T030041YG	CABPRO PVC TAPE 2610 GREEN/YELLOW 19MM X 20M
AE019172468	PVC TAPE 1610 GREY 19MM X 20M	T030058	T030058GY	CABPRO PVC TAPE 2610 GREY 19MM X 20M
AE019172443	PVC TAPE 1610 ORANGE 19MM X 20M	T030040	T030040OR	CABPRO PVC TAPE 2610 ORANGE 19MM X 20M
AE009162835	PVC TAPE 1610 RAINBOW 19MM X 20M 10 PK	T030036	T030036RBW	CABPRO PVC TAPE 2610 RAINBOW 19MM X 20M 10 PK
XE000724635	PVC TAPE 1710N BLACK 18MM X 20M	T030050	T030050BK	CABPRO PVC TAPE 2710 BLACK 18MM X 20M
XE000724643	PVC TAPE 1710N WHITE 18MM X 20M	T030054	T030054WH	CABPRO PVC TAPE 2710 WHITE 18MM X 20M
XE000724650	PVC TAPE 1710N RED 18MM X 20M	T030053	T030053RD	CABPRO PVC TAPE 2710 RED 18MM X 20M
XE000724668	PVC TAPE 1710N BLUE 18MM X 20M	T030051	T030051BL	CABPRO PVC TAPE 2710 BLUE 18MM X 20M
XE000724676	PVC TAPE 1710N GREEN 18MM X 20M	T030052	T030052G	CABPRO PVC TAPE 2710 GREEN 18MM X 20M
XE000724684	PVC TAPE 1710N YELLOW 18MM X 20M	T030055	T030055YL	CABPRO PVC TAPE 2710 YELLOW 18MM X 20M
XE000724692	PVC TAPE 1710N GREEN/YELLOW 18MM X 20M	T030205	T030205YG	CABPRO PVC TAPE 2710 GREEN/YELLOW 18MM X 20M
XE000724700	PVC TAPE 1710N RAINBOW 18MM X 20M 10 PK	T030056	T030056RBW	CABPRO PVC TAPE 2710 RAINBOW 18MM X 20M 10PK

CABPRO 2710 TEST



3M
1710N
3M
1710N
CABPRO
2710
CABPRO
2710
OTHER

CABPRO 2710 has been tested to -17°C and been found to outperform other brand low temp tapes.

MEGA 43 VINYL TAPES



- Premium black Vinyl Electrical Insulating Tape 0.18mm - Flame retardant
- Low Temp, Cold and Sun Resistant, High Dielectric Strength
- Highly Resistant to Water, oil, acids, alkalies and chemicals
- Operating Temperature: -18 to 105 Degrees Celsius, up to 600v
- Approved UL510, CSA 22.2 and VDE



Part No.	Description	3M Equivalent Part No.	3M Description	Old Part No.	Unit	Qty
T030021V1920	CABPRO MEGA 43+ VINYL ELEC TAPE 19MMX20M	80611207012	SCOTCH® SUPER 33+T VINYL TAPE19MM X 20M	T030021	EA	1
T030022V1933	CABPRO MEGA 43+ VINYL ELEC TAPE 19MMX33M	80610138929	SCOTCH® SUPER 33+T VINYL TAPE19MM X 33M	T030022	EA	1
T030023V2533	CABPRO MEGA 43+ VINYL ELEC TAPE 25MMX33M	80014001020	SCOTCH® SUPER 33+T VINYL TAPE25MM X 33M	T030023	EA	1

MEGA 45 VINYL TAPES



- Premium Vinyl Electrical Insulating Tape 0.18mm - Flame retardant in range of colours
- Low Temp, Cold and Sun Resistant, High Dielectric Strength
- Highly Resistant to Water, oil, acids, alkalies and chemicals
- Operating Temperature: -18 to 105 Degrees Celsius, up to 600v
- Approved UL510, CSA 22.2 and VDE



Part No.	Description	3M Equivalent Part No.	3M Description	Old Part No.	Unit	Qty
T030012BL	CABPRO MEGA 45 VINYL ELEC TAPE BL 19X20M	80610833925	SCOTCH® 35 VINYL TAPE BLUE 19MM X 20M	T030012	EA	1
T030013G	CABPRO MEGA 45 VINYL ELEC TAPE GR 19X20M	80610834048	SCOTCH® 35 VINYL TAPE GREEN 19MM X 20M	T030013	EA	1
T030014RD	CABPRO MEGA 45 VINYL ELEC TAPE RD 19X20M	80610833909	SCOTCH® 35 VINYL TAPE RED 19MM X 20M	T030014	EA	1
T030015WH	CABPRO MEGA 45 VINYL ELEC TAPE WH 19X20M	80610833982	SCOTCH® 35 VINYL TAPE WHITE 19MM X 20M	T030015	EA	1
T030016YL	CABPRO MEGA 45 VINYL ELEC TAPE YL 19X20M	80610833966	SCOTCH® 35 VINYL TAPE YELLOW 19MM X 20M	T030016	EA	1

TAPES

PVC TAPES



- Standard Grade PVC Electrical Tape 0.13mm
- Flame Retardant, Resistant to Weather, oil, acids and alkalis
- Applications Identification, Coding and Harnessing
- Operating Temperature: 0 to 90 Degrees Celsius
- Meets RoHS and REACH

Part No.	Description	Unit	Qty
ITBK/10	INSULATION TAPE BLACK PACK OF 10 ROLLS	PAK	10
ITWH/10	INSULATION TAPE WHITE PACK OF 10 ROLLS	PAK	10
ITRD/10	INSULATION TAPE RED PACK OF 10 ROLLS	PAK	10
ITBL/10	INSULATION TAPE BLUE PACK OF 10 ROLLS	PAK	10
ITYL/10	INSULATION TAPE YELLOW PACK OF 10 ROLLS	PAK	10
ITYG/10	INSULATION TAPE YELLOW/GREEN 10 ROLLS	PAK	10
ITRP	INSULATION TAPE RAINBOW PACK OF 10 ROLLS	EA	1

GLASS CLOTH TAPES



- 7 mil (0.18mm) woven glass fabric tape with a thermosetting rubber-based, pressure sensitive adhesive - high tensile strength
- Insulates and protects high temp (130 Degrees Celsius) connections
- Provides excellent tear and abrasion resistance

Part No.	Description	3M Equivalent Part No.	3M Description	Old Part No.	Unit	Qty
T030009GT13	GLASS CLOTH TAPE 13MM X 30M	80012020352	SCOTCH® GLASS CLOTH ELECTRICAL TAPE 13MM X 20M	T030009	EA	1
T030010GT19	GLASS CLOTH TAPE 19MM X 20M	80012020360	SCOTCH® GLASS CLOTH ELECTRICAL TAPE 19MM X 20M	T030010	EA	1

POWERJOINT RT47 ELEC INSUL PUTTY 38X1.5

Unit: EA Qty: 1



Part No. T030029IP38

- Conformable to irregular shapes and can be used as primary insulation up to 5kV in conjunction with CABPRO insulating tapes
- 125 mil (3.2mm) self-amalgamating, LV rubber insulating tape
- Provides an excellent moisture seal

POWERJOINT RT3330 BUTYL MASTIC TAPE 25X3

Unit: EA Qty: 1



Part No. T030207BM25

- Conformable durable tacky mastic for application over irregular surfaces. Excellent adhesion to metal, cable insulation and jackets
- ROHS Compliant, dielectric power cable up to 1kV
- Use in conjunction with premium vinyl tape as an outer wrap

SPLICING AND INSULATING

RUBBER MASTIC TAPES



- A self-bonding mastic tape consisting of an Ethylene Propylene Rubber (EPR) backing, bonded to a tacky, temp stable, electrical grade mastic
- Provides excellent electrical properties and superior adhesion
- For primary insulation up to 2kV

Part No.	Description	Unit	Qty
T030206RM38	POWERJOINT RT3339 RUBBER MASTIC 38X3M	EA	1
T030027RM51	POWERJOINT RT3339 RUBBER MASTIC 50X3M	EA	1

RUBBER SPLICING TAPES



- 30 mil (0.76mm) EPR, self-bonding, high voltage tape for insulating and jacketing splices through 69kV - excellent ozone and chemical resistance
- Linerless - quicker application than a tape with liner
- Flame retardant, high thermal conductivity

Part No.	Description	3M Equivalent Part No.	3M Description	Old Part No.	Unit	Qty
T030018RT19	POWERJOINT RT241 RUBBER SPLICING 19X9M	80610833404	SCOTCH® RUBBER SPLICING TAPE 19MM X 9M	T030018	EA	1
T030019RT25	POWERJOINT RT241 RUBBER SPLICING 25X9M	80610833750	SCOTCH® RUBBER SPLICING TAPE 25MM X 9M	T030019	EA	1
T030020RT38	POWERJOINT RT241 RUBBER SPLICING 38X9M	80610833412	SCOTCH® RUBBER SPLICING TAPE 38MM X 9M	T030020	EA	1

SEALING AND INSULATION TAPES

HEAT SHRINK

HEATSHRINK TAPE 20MM WIDE 50M ROLL

Unit: ROL Qty: 1



Part No. HST20

- A thin irradiated polyolefin tape that shrinks and amalgamates, forming a ridged waterproof seal on complex shapes
- Repairs damaged cables and forms T-joints and junctions
- Low water absorption
- Excellent chemical resistance

SELF AMALGAMATING TAPES

SELF AMALGAMATING TAPE 20MM X 15M RED

Unit: ROL Qty: 1



Part No. SAT1-RD

- Highly adhesive synthetic rubber and resin based tape that cures to a single mass once it is taped
- Offers superior heat and weather resistance
- Ideal for sealing, waterproofing and insulating
- Colour: Red

SELF AMALGAMATING TAPE 20MM X 5M BLACK

Unit: ROL Qty: 1



Part No. SAT1

- Highly adhesive synthetic rubber and resin based tape that cures to a single mass once it is taped
- Highly resistant to hostile environments
- Ideal for sealing, waterproofing and insulating
- Colour: Black

TAPES

SELF AMALGAMATING TAPE 40MM X 5M BLACK

Unit: ROL Qty: 1



Part No. SAT1/40MM

- Highly adhesive synthetic rubber and resin based tape that cures to a single mass once it is taped
- Highly resistant to hostile environments
- Ideal for sealing, waterproofing and insulating
- Colour: Black

SELF AMALGAMATING TAPE 20MM X 10M BLACK

Unit: ROL Qty: 1



Part No. SAT2

- Highly adhesive synthetic rubber and resin based tape with a polythene separator that forms part of the joint - for high mechanical strength
- Ideal for rugged environments
- Excellent electrical and ageing properties

SPECIAL USE TAPES

DUCT TAPES



- A handy conformable vinyl tape with high adhesive strength
- Can be stretched easily without breaking, ideal for sealing
- Conditioning ducts and for heavy-duty packing

Part No.	Description	Unit	Qty
DT48	DUCT TAPE GREY 30M ROLL 48MM WIDE	EA	1
DT48BK	DUCT TAPE BLACK 30M ROLL 48MM WIDE	EA	1
DT75	DUCT TAPE GREY 30M ROLL 75MM WIDE	EA	1

RUBBER SPLICE LINED TAPES



- 30 mil (0.76mm) EPR, lined self-amalgamating, high voltage tape for insulating and jacketing splices through 69kV
- Easy to remove liner
- Ideal for water proofing - resistant to corrosion and UV light
- Ideal for Busbar insulation, jacketing indoor terminations

Part No.	Description	3M Equivalent Part No.	3M Description	Old Part No.	Unit	Qty
T030005RTL19	POWERJOINT RT34 RUBBER SPLICE LND 19X9M	HT002001309	SCOTCH® 23 SELF-AMALGAMATING TAPE19MM X 9.1M	T030005	EA	1
T030006RTL25	POWERJOINT RT34 RUBBER SPLICE LND 25X9M	HT002001283	SCOTCH® 23 SELF-AMALGAMATING TAPE25MM X 9.1M	T030006	EA	1
T030007RTL38	POWERJOINT RT34 RUBBER SPLICE LND 38X9M	HT002001275	SCOTCH® 23 SELF-AMALGAMATING TAPE38MM X 9.1M	T030007	EA	1

DOUBLE SIDED TAPES



- High adhesive strength especially designed for holding, joining or bonding on a wide variety of surfaces
- Lower installation costs - an alternative to fasteners
- Made from Ethylene Vinyl Acetate

Part No.	Description	Unit	Qty
DST12	DOUBLE SIDED TAPE 12MMX10M	ROL	1
DST18	DOUBLE SIDED TAPE 18MMX10M	ROL	1
DST24	DOUBLE SIDED TAPE 24MMX10M	ROL	1



- General purpose
- Double sided
- Width: 12mm
- Length: 10m



Part No.	Description	Unit	Qty
U011010	DOUBLE SIDED TAPE 12MM X 10M	EA	1
U011015	DOUBLE SIDED TAPE 18MM X 10M	EA	1
U011020	DOUBLE SIDED TAPE 24MM X 10M	EA	1

WARNING MARKER TAPES

WARNING AND BARRIER TAPES

BARRIER TAPE 75MM X 50M BK/YLW

Unit: EA Qty: 1



Part No. U010002

- Rot and fade resistant
- Material: Polyethylene
- Also available in red and white

BARRIER TAPE 75MM X 300M RED/WHT

Unit: EA Qty: 1



Part No. U011016

- Rot and fade resistant
- Material: Polyethylene
- Also available in black and yellow

WARNING CAUTION TAPE 75MM X 50M YELLOW

Unit: EA Qty: 1



Part No. U010006

- Heavy-duty PVC grade tape
- Caution clearly printed

TAPES

WARNING DANGER TAPE 75MM X 500M RED/WHT

Unit: EA Qty: 1



Part No. U010020

- Heavy-duty PVC grade tape
- DANGER - clearly printed on tape

CONSTRUCTION WARNING TAPE

Unit: ROL Qty: 1



Part No. CCW38

- Used to tape off and warn against hazardous or dangerous construction work zones
- Durable and lightweight
- Adhesive backed

WARNING MARKER TAPES

BT50RW BARRIER TAPE 75X50MTR R/W

Unit: EA Qty: 1



Part No. U010001

- Rot and fade resistant
- Material: Polyethylene
- Also available in black and yellow

BM50M BARRIER MESH ORANGE 50M

Unit: EA Qty: 1



Part No. T081653

- Heavy-duty plastic mesh
- Provides excellent visibility for hazard areas
- 1M high X 50M roll

FIBRE OPTIC CABLE WARNING MARKER TAPES



- Bold black letters include warning message
- Made from PVC - suited for internal use
- Marked - Caution Optic Fibre Cable Do Not Disturb
- Adhesive for internal applications

Part No.	Description	Unit	Qty
FOCTAPE	FIBRE OPTIC CABLE WARNING TAPE 66M ROLL	EA	1
FOCTAPE-D250	FIBRE OPTIC WARNING DETECTABLE TAPE 250M	EA	1

UNDERGROUND CABLE WARNING TAPES



- Electric orange colour marked every metre with the words 'Danger - Buried Electric Cable Below'
- Environmentally friendly - made from recyclable material
- Accepted by many Australian Energy providers

Part No.	Description	Unit	Qty
WMT150	ELECTRICAL UG MARKING TAPE ND 150MMX50M	ROL	1
WMT150-150	ELECTRICAL UG MARKING TAPE ND 150MMX150M	ROL	1
WMT150/500	ELECTRICAL UG MARKING TAPE ND 150MMX500M	ROL	1
WMT150/250D	WARNING MARKER TAPE ELEC DETECT 150X250M	ROL	1

UG WARNING TAPES



- Placed above cable or pipes to allow easy detection
- Type: Communications detectable
- Dimensions: 150mm x 250m



Part No.	Description	Unit	Qty
U010016	COMMS UG MARKING TAPE DETEC 100MMX250M	EA	1
U010014	COMMS UG MARKING TAPE ND 150MMX100M	EA	1
U010005	COMMS UG MARKING TAPE ND 150MMX500M	EA	1
U010015	ELEC. UG MARKING TAPE DETEC 100MMX250M	EA	1
U010003	ELEC. UG MARKING TAPE ND 150MMX100M	EA	1
U010004	ELEC. UG MARKING TAPE ND 150MMX500M	EA	1

HEATSHRINK



CABAC HEATSHRINK THIN WALL XLP

Our extensive range of CABAC thin wall Cross Linked Polymer (XLP) heatshrink tubes and kits deliver an effective means of providing tight fitting electrical and environmental insulation across a wide range of electrical, electronic and mechanical applications.

CABAC Heatshrink is cross linked using high energy E-Beam technology providing the most consistent and reliable cross linking available today.

CABAC Heatshrink tubing is manufactured from FLAME RETARDANT and UV RESISTANT Polymer. Please note that non black colour variants will fade slightly over time dependent upon the strength of the UV radiation without impacting the materials functional characteristics.

TECHNICAL DATA

Compliant Standards:	UL224VW1 File No, E366157
Operating Temp:	-55 to 135°C
Minimum Shrinkage Temp:	70 degrees
Longitudinal Shrinkage:	<5%
Tensile Strength:	14MPa
Dielectric Strength:	>20kV/mm
Volume Resistance:	>1014 Ω.cm
Ultimate Elongation:	600%
Flammability:	Passes VW-1
Shrink Ratio:	2:1

CABAC XLP Heatshrink is UL certified.



We recommend the use of CABAC heatguns when working with CABAC XLP heatshrink (Part No's HG2232 or HG2233).

CABAC Heatshrink Tubing Range & Tubing Selection

Heatshrink, especially flame retardant heatshrink, is a very complex material science and CABAC have pioneered a chemical cross-linked process, that uses advanced compounding, extruding, curing and expanding. The table below summarises our range to help you with your selection.

Thin Wall						
Part No.	Main Characteristics	Main Use	Shrink Ratio (Nominal)	Shrink Temperature 0°C	Operating Temperature 0°C	Application Range Dia. (mm)
XLP	Thin Wall, Flame Retardant UV Resistant	Insulation Colour Coding	2:1	>100	-75 to 135	0.75 to 110 General Purpose
XLH	High Shrink Ratio, Thin Wall	Cord Ends	3:1	>110	-75 to 135	0.5 to 11 Flame Retardant
XDW	Glue Lined, Thin Wall, High Shrink	Cord Ends	3:1	90 to 125	-55 to 110	0.6 to 34 Mechanical Protection

Medium Wall						
Part No.	Main Characteristics	Main Use	Shrink Ratio (Nominal)	Shrink Temperature 0°C	Operating Temperature 0°C	Application Range Dia. (mm)
SMDW	Glue Lined, Medium Walled Waterproof	Joints and Terminations	3.5:1	105 to 135	-55 to 110	3 to 110 General Purpose

Thick Wall						
Part No.	Main Characteristics	Main Use	Shrink Ratio (Nominal)	Shrink Temperature 0°C	Operating Temperature 0°C	Application Range Dia. (mm)
STDW	Thick Walled, Glue Lined, High Stick and Mechanical Strength	Joints and Terminations	4:1	120	-55 to 110	3 to 65 Critical Areas Super Waterproof

These charts below are useful for selection of heatshrink. The 'lay flat' dimension of heatshrink is commonly used with large diameter heatshrink tubes, where the heatshrink is measured flattened out, and the flat dimension measured.

The table below is used to convert this into a diameter as used by CABAC.

The bus bar table is useful to work out heatshrink requirements for bus bars. It is important to allow for bends, and use one size up if the bar has many bends. This makes it easier to get the heatshrink onto the bar.

Bus Bars Heatshrink Selection

Bus Bar Recommended Heatshrink for Bus Bar Width (mm)									
Thickness (mm)	12	19	25	38	51	76	102	125	152
3.2	XLP13	XLP20	XLP25	XLP38	XLP51	XLP76	XLP102	XLP102	XLP125
4.8	XLP13	XLP20	XLP25	XLP38	XLP51	XLP76	XLP102	XLP102	XLP125
6.4		XLP20	XLP25	XLP38	XLP51	XLP76	XLP102	XLP102	XLP125
9.5				XLP38	XLP51	XLP76	XLP102	XLP102	XLP125
12.7					XLP51	XLP76	XLP102	XLP102	XLP125

Note: If bar has bends you may have to use a larger diameter heatshrink.

Lay Flat To Circular

Heatshrink Internal Conversion to Lay Flat Dimension	
Internal Diameter (mm)	Lay Flat (mm)
5	8
7	11
10	16
13	20
16	25
20	31
25	39

Lay Flat To Circular

Heatshrink Internal Conversion to Lay Flat Dimension	
Internal Diameter (mm)	Lay Flat (mm)
25	39
32	50
38	60
51	80
76	120
102	160
125	196

Metric vs. Imperial

Metric (mm)	Imperial (inch)
1.6	1/16
3.2	1/8
4.8	3/16
6.4	1/4
8.0	5/16
9.5	3/8
12.7	1/2

HEATSHRINK DISPLAY OPTIONS



HEATSHRINK UNIT - SMALL

- Designed to merchandise heatshrink and glass sleeve tubing
- Compact unit can accommodate a large range of stock
- Complete with fixed divider insert tubes
- **Note:** Restricted availability
- **Dimensions (mm):** 1315 (h) x 590 (w) x 420 (d)

Part No. **HSSTANDSM**

Also available:

C206 Heatshrink Template - Heatshrink selection guide



LOW COST TUBE DISPLAY OUTER WITH COMPONENTS

- Designed to merchandise heatshrink and glass sleeve tubing
- Compact unit can accommodate a large range of stock
- Complete with fixed divider insert tubes
- **Outer Dimensions (mm):** 440 (h) x 440 (w) x 1000 (d)

Part No. **HSSTANDMINI**

Also available:

C206 Heatshrink Template - Heatshrink selection guide

HEATSHRINK UNIT - LARGE

- Designed to merchandise heatshrink & glass sleeve tubing
- Complete with tubes & dividers
- Large unit can accommodate a comprehensive range of stock
- Features a lay flat area to merchandise the smaller diameter heatshrink
- **Note:** Restricted availability
- **Dimensions (mm):** 1300 (w) x 600 (d) x 1500 (h)

Part No. **HSSTANDLG**

Also available:

C206 Heatshrink Template - Heatshrink selection guide

C209 Heatshrink Tube

C213 Heatshrink Inner Tube Divider



CABAC XLP THIN WALL



- Made from Electron Beam Cross Linked Polyolefin, flame retardant tubing
- UV resistant operating temp. -55 to +135 Deg. Celsius
- Resistant to common fluids, solvents and abrasion
- (clear variant is not UL listed)



Blue	Black	Clear	Green	Red	White	Yellow	Yellow/Green	Pre-Shrink Dia. (mm)	After-Shrink Dia. (mm)	Recovered Wall Thick (mm)	Unit of Measure	Length
XLP1.5BL	XLP1.5BK	XLP1.5CL	XLP1.5G	XLP1.5RD	XLP1.5WH	XLP1.5Y		1.6	0.8	0.4	M	200
XLP1.5BL-10M	XLP1.5BK-10M	XLP1.5CL-10M		XLP1.5RD-10M	XLP1.5WH-10M			1.6	0.8	0.4	M	10
XLP1.5BL/4FT	XLP1.5BK/4FT	XLP1.5CL/4FT	XLP1.5G/4FT	XLP1.5RD/4FT		XLP1.5Y/4FT		1.6	0.8	0.4	FT	4
XLP2.5BL	XLP2.5BK	XLP2.5CL	XLP2.5G	XLP2.5RD	XLP2.5WH	XLP2.5Y		2.4	1.2	0.48	M	200
XLP2.5BL-10M	XLP2.5BK-10M	XLP2.5CL-10M		XLP2.5RD-10M	XLP2.5WH-10M			2.4	1.2	0.48	M	10
XLP2.5BL/4FT	XLP2.5BK/4FT	XLP2.5CL/4FT	XLP2.5G/4FT	XLP2.5RD/4FT	XLP2.5WH/4FT	XLP2.5Y/4FT		2.4	1.2	0.48	FT	4
XLP3BL	XLP3BK	XLP3CL	XLP3G	XLP3RD	XLP3WH	XLP3Y		3.2	1.6	0.48	M	200
XLP3BL-10M	XLP3BK-10M	XLP3CL-10M		XLP3RD-10M	XLP3WH-10M			3.2	1.6	0.48	M	10
XLP3BL/4FT	XLP3BK/4FT	XLP3CL/4FT	XLP3G/4FT	XLP3RD/4FT	XLP3WH/4FT	XLP3Y/4FT	XLP3YG/4FT	3.2	1.6	0.48	FT	4
XLP5BL	XLP5BK	XLP5CL	XLP5G	XLP5RD	XLP5WH	XLP5Y	XLP5YG	4.8	2.4	0.48	M	100
XLP5BL-10M	XLP5BK-10M	XLP5CL-10M		XLP5RD-10M	XLP5WH-10M		XLP5YG-10M	4.8	2.4	0.48	M	10
XLP5BL/4FT	XLP5BK/4FT	XLP5CL/4FT	XLP5G/4FT	XLP5RD/4FT	XLP5WH/4FT	XLP5Y/4FT	XLP5YG/4FT	4.8	2.4	0.48	FT	4
XLP7BL	XLP7BK	XLP7CL	XLP7G	XLP7RD	XLP7WH	XLP7Y	XLP7YG	6.4	3.2	0.56	M	50
XLP7BL-5M	XLP7BK-5M	XLP7CL-5M		XLP7RD-5M	XLP7WH-5M		XLP7YG-5M	6.4	3.2	0.56	M	5
XLP7BL/4FT	XLP7BK/4FT	XLP7CL/4FT	XLP7G/4FT	XLP7RD/4FT	XLP7WH/4FT	XLP7Y/4FT	XLP7YG/4FT	6.4	3.2	0.56	M	10
XLP10BL	XLP10BK	XLP10CL	XLP10G	XLP10RD	XLP10WH	XLP10Y	XLP10YG	9.5	4.8	0.62	M	50
XLP10BL-5M	XLP10BK-5M	XLP10CL-5M		XLP10RD-5M	XLP10WH-5M		XLP10YG-5M	9.5	4.8	0.62	M	5
XLP10BL/4FT	XLP10BK/4FT	XLP10CL/4FT	XLP10G/4FT	XLP10RD/4FT	XLP10WH/4FT	XLP10Y/4FT	XLP10YG/4FT	9.5	4.8	0.62	FT	4
XLP13BL	XLP13BK	XLP13CL	XLP13G	XLP13RD	XLP13WH	XLP13Y	XLP13YG	12.7	6.4	0.62	M	50
XLP13BL-5M	XLP13BK-5M	XLP13CL-5M		XLP13RD-5M	XLP13WH-5M		XLP13YG-5M	12.7	6.4	0.62	M	5
XLP13BL/4FT	XLP13BK/4FT	XLP13CL/4FT	XLP13G/4FT	XLP13RD/4FT	XLP13WH/4FT	XLP13Y/4FT	XLP13YG/4FT	12.7	6.4	0.62	M	10
XLP20BL	XLP20BK	XLP20CL	XLP20G	XLP20RD	XLP20WH	XLP20Y	XLP20YG	19.1	9.5	0.68	M	50
XLP20BL-5M	XLP20BK-5M	XLP20CL-5M		XLP20RD-5M	XLP20WH-5M		XLP20YG-5M	19.1	9.5	0.68	M	5
XLP20BL/4FT	XLP20BK/4FT	XLP20CL/4FT	XLP20G/4FT	XLP20RD/4FT	XLP20WH/4FT	XLP20Y/4FT	XLP20YG/4FT	19.1	9.5	0.68	M	10
XLP25BL	XLP25BK	XLP25CL	XLP25G	XLP25RD	XLP25WH	XLP25Y	XLP25YG	25.4	12.7	0.87	M	50
XLP25BL-5M	XLP25BK-5M	XLP25CL-5M		XLP25RD-5M	XLP25WH-5M		XLP25YG-5M	25.4	12.7	0.87	M	5
XLP25BL/4FT	XLP25BK/4FT	XLP25CL/4FT	XLP25G/4FT	XLP25RD/4FT	XLP25WH/4FT	XLP25Y/4FT	XLP25YG/4FT	25.4	12.7	0.87	M	10
XLP38BL	XLP38BK	XLP38CL	XLP38G	XLP38RD	XLP38WH	XLP38Y	XLP38YG	38.1	19.1	1	M	25
XLP38BL/4FT	XLP38BK/4FT	XLP38CL/4FT	XLP38G/4FT	XLP38RD/4FT	XLP38WH/4FT	XLP38Y/4FT	XLP38YG/4FT	38.1	19.1	1	FT	4
XLP51BL	XLP51BK	XLP51CL	XLP51G	XLP51RD	XLP51WH	XLP51Y	XLP51YG	50.8	25.4	1.1	M	25
XLP51BL/4FT	XLP51BK/4FT	XLP51CL/4FT	XLP51G/4FT	XLP51RD/4FT	XLP51WH/4FT	XLP51Y/4FT	XLP51YG/4FT	50.8	25.4	1.1	FT	4
XLP76BL	XLP76BK	XLP76CL	XLP76G	XLP76RD	XLP76WH	XLP76Y	XLP76YG	76.2	38.1	1.2	M	25
XLP76BL/4FT	XLP76BK/4FT	XLP76CL/4FT	XLP76G/4FT	XLP76RD/4FT	XLP76WH/4FT	XLP76Y/4FT	XLP76YG/4FT	76.2	38.1	1.2	FT	4
XLP102BL	XLP102BK			XLP102RD	XLP102WH	XLP102Y		102	50.8	1.35	M	1
								125	63.5	1.4	M	1

HEATSHRINK

HEATSHRINK KITS

XLP KITS

HEATSHRINK KIT XLP3-25 IN KPB1

Unit: EA Qty: 1



Part No. HTK3

- Thinwall heatshrink kit containing black and assorted colours - supplied in a handy plastic box
- For electrical and electronic applications
- Flame retardant, abrasion and impact resistant

HEATSHRINK KIT XLP3-25 & SMDW

Unit: EA Qty: 1



Part No. HTK4

- Thinwall heatshrink kit containing black and assorted colours - supplied in a handy plastic box
- For electrical and electronic applications
- Flame retardant, abrasion and impact resistant

HEATSHRINK THIN WALL 22 PCS KIT

Unit: EA Qty: 1



Part No. XLPKIT

- Thinwall heatshrink kit with assorted colours and sizes
- For electrical and electronic applications
- Flame retardant, abrasion and impact resistant

BUDGET XLP KITS

HEATSHRINK KIT BUDGET ELECT

Unit: EA Qty: 1



Part No. HTK1

- Budget heatshrink kit containing black and assorted colours
- For electrical and electronic applications
- Flame retardant, abrasion and impact resistant

HEATSHRINK KIT ELECTRONIC STYLE

Unit: EA Qty: 1



Part No. HTK2

- Budget heatshrink kit containing black and assorted colours
- For electrical and electronic applications
- Flame retardant, abrasion and impact resistant

XLH THINWALL HIGH SHRINK

XLH THINWALL HIGH SHRINK



- Made from chemically cross-linked tubing
- For electrical and electronic applications
- Flame retardant, abrasion and impact resistant



Part No.	Pre-Shrink Dia. (mm)	After-Shrink Dia. (mm)	Recovered Wall Thick (mm)	Unit	Qty
XLH1.5BK	1.6	0.5	0.45	M	1
XLH3BK	3.2	1	0.55	M	1
XLH6BK	6.4	2	0.65	M	1

XDW THINWALL GLUE LINED

XDW THINWALL GLUE LINED



- Made from a single extrusion of polyolefin, the thin-walled heatshrink tube with glue lined inner surface is commonly referred to as dual walled
- Very flexible, high shrink ratio 3:1
- Flame retardant good mechanical adhesion



Part No.	Pre-Shrink Dia. (mm)	After-Shrink Dia. (mm)	Recovered Wall Thick (mm)	Unit	Qty
XDW3BK	3	1	1	4FT	1
XDW5BK	4.8	1.5	1	4FT	1
XDW7BK	6	2	1	4FT	1
XDW10BK	9	3	1.4	4FT	1
XDW13BK	12	4	1.6	4FT	1
XDW20BK	19.1	6	2.15	4FT	1
XDW25BK	24	8	2.4	4FT	1
XDW38BK	40	13	2.4	4FT	1
XDW51BK	50	19	2.4	4FT	1

SMDW MEDIUM WALL

SMDW MEDIUM WALL



- Cross-linked Polyolefin heatshrink tube used primarily for waterproof jointing and sealing cable terminations
- UV resistant operating temp. -55 to +135 Degrees Celsius
- Resistant to common fluids, solvents and abrasion



Part No.	Pre-Shrink Dia. (mm)	After-Shrink Dia. (mm)	Recovered Wall Thick (mm)	Unit	Qty
SMDW22/6U	22	6	2.2	M	1
SMDW34/9U	33	8	2.5	M	1
SMDW40/12U	40	12	2.5	M	1
SMDW56/17U	55	16	2.7	M	1
SMDW92/26U	95	25	3	M	1
SMDW120/35U	115	34	3.3	M	1

HEATSHRINK

SMDW MEDIUM WALL GLUE LINED



- Cross-linked Polyolefin heatshrink tube used primarily for waterproof jointing and sealing cable terminations
- UV resistant operating temp. -55 to +135 Deg. Celsius
- Resistant to common fluids, solvents and abrasion



Part No.	Pre-Shrink Dia. (mm)	After-Shrink Dia. (mm)	Recovered Wall Thick (mm)	Unit	Qty
SMDW12/3TK	12	3	1.8	M	1
SMDW22/6TK	22	6	2.2	M	1
SMDW34/9TK	33	8	2.5	M	1
SMDW40/12TK	40	12	2.5	M	1
SMDW56/17TK	55	16	2.7	M	1
SMDW92/26TK	95	25	3	M	1
SMDW120/35TK	115	34	3.3	M	1
SMDW140/42TK	140	42	3.5	M	1

STDW THICK WALL

STDW THICK WALL



- Cross-linked Polyolefin heatshrink tube used primarily for waterproof jointing and sealing cable terminations
- UV resistant operating temp. -55 to +135 Deg. Celsius
- Resistant to common fluids, solvents and abrasion



Part No.	Pre-Shrink Dia. (mm)	After-Shrink Dia. (mm)	Recovered Wall Thick (mm)	Unit	Qty
STDW17/3PA	15	4	2.4	M	1
STDW27/6PA	22	6	2.7	M	1
STDW43/10PA	45	12	4.1	M	1
STDW54/14PA	55	16	4.1	M	1
STDW72/22PA	75	22	4.1	M	1
STDW95-29PA	95	30	4.3	M	1
STDW130-36PA	130	36	4.3	M	1

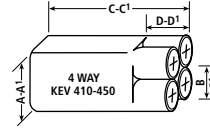
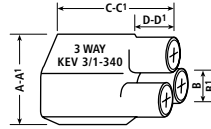
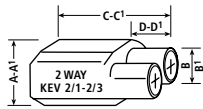
KEV BOOTS AND GLOVES

KEV GLOVES



- Quick and simple installation of waterproof termination - sealing the conductor insulation to the cable jacket
- High tearing resistance and tensile strength
- Resistant to decay, chemicals and corrosion

UV RESISTANCE



CABAC



Part No.	Fingers (mm)	Pre-Shrink Dimensions (mm)					After-Shrink Dimensions (mm)				Pre-Shrink Wall Thickness Dia. (mm)	Unit	Qty
		A (mm)	B (mm)	C (mm)	D (mm)	A1 (mm)	B1 (mm)	C1 (mm)	D1 (mm)				
KEV2/1	2	30	14	70	15	12	4.5	93	23	2.2	EA	1	
KEV2/3	2	60	25	0	34	23	7.5	118	29	3.2	EA	1	
KEV320	3	38	14	75	15	16	4.5	110	35	2.2	EA	1	
KEV330	3	60	25	160	53	25	8	165	50	3.7	EA	1	
KEV335	3	80	35	180	60	38	11	185	55	4.3	EA	1	
KEV340	3	110	46	205	70	50	17.5	250	65	3.8	EA	1	
KEV360	3	140	62	250	58	70	26	270	68	3.9	EA	1	
KEV410	4	28	9	0	17	9	1.8	78	0	2	EA	1	
KEV420	4	40	14	84	15	15	3.5	105	26	2.4	EA	1	
KEV430	4	55	20	140	32	21	5	150	40	3.5	EA	1	
KEV440	4	75	28	158	34	26	7	175	45	3.7	EA	1	
KEV445	4	82	30	190	36	37	9	190	60	3	EA	1	
KEV450	4	90	32	175	38	37	9	190	60	3.7	EA	1	
KEV455	4	102	38	190	40	47	12	198	58	3	EA	1	
KEV460	4	130	52	175	40	52	15	240	75	3.7	EA	1	

HEATSHRINK

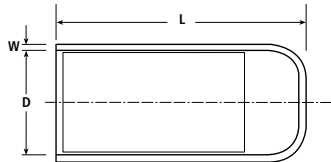
SRE END CAPS

HEATSHRINK END CAPS



- Seals cable ends during installation or storage. Made from cross-linked Polyolefin with hot melt glue liner which bonds cap to the cable jacket
- Resistant to UV rays, aggressive soils, chemicals and corrosion
- Quick reliable seal

UV RESISTANCE



CABAC



Part No.	Pre-Shrink Dia. (mm)	After-Shrink Dia. (mm)	OD Cable Range (mm)	(W) Recovered Wall (mm)	(L) Length (mm)	Unit	Qty
SRE0	6	2	2-4	2	25	EA	1
SRE1	12	4	4-10	2.6	40	EA	1
SRE2	20	6	6-16	2.8	55	EA	1
SRE3	40	16	18-32	3.3	90	EA	1
SRE4	55	26	28-48	3.5	103	EA	1
SRE4.5	75	36	36-55	4	75	EA	1
SRE5	100	52	55-90	4	140	EA	1
SRE6	120	60	65-110	4	150	EA	1
SRE7	145	60	70-130	4	150	EA	1
SRE4U	55	26	28-48	3.5	103	EA	1
SRE4U-LONG	75	35	36-55	4	180	EA	1
SRE5U	100	52	55-90	4	140	EA	1
SRE6U	120	60	65-110	4	150	EA	1
SRE6U-LONG	100	65	65-110	4	200	EA	1

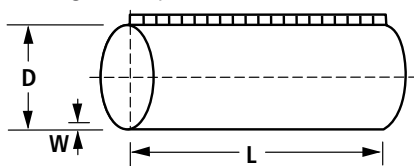
HEATSHRINK ZIP TUBE

POWERJOINT WRAP AROUND ZIPPER



- Glue lined heatshrink wrapper system, used to repair or protect cables
- UV resistant cross-linked Polyolefin
- Hot-melt mastic lined moisture proof
- Fast and permanent cable repair sleeve
- Covers uniform or irregular shapes

UV RESISTANCE



POWERJOINT™



Part No.	OD Expanded (mm)	OD Recovered (mm)	Recovered Wall Thick (mm)	Length (mm)	Unit	Qty
ZT36/10	38	9	2.4	1000	EA	1
ZT55/13	57	13	2.5	1000	EA	1
ZT85/20	85	20	3	1000	EA	1
ZT108/27	110	27	3	1000	EA	1
ZT136/30	138	30	3.2	1000	EA	1
ZT180/50	183	50	3.2	1000	EA	1

CONSUMER MAINS PIT KIT

SEC KITS



- Used in Consumers Mains Pits to double insulate (requirement in Victoria)
- Acts as moisture block to the conduit or multi-core cable

Part No.	Description	Unit	Qty
SEC1	SEC H/S KIT 2 CORE 16MM2	KIT	1
SEC2	SEC H/S KIT 2 CORE 16MM2	KIT	1
SEC3	SEC H/S KIT 3 CORE 16MM2	KIT	1
SEC4	SEC H/S KIT 4 CORE 16MM2	KIT	1
SEC5	SEC H/S KIT 4 CORE 16MM2	KIT	1
SEC6	SEC H/S KIT 2 CORE 35MM2	KIT	1
SEC7	SEC H/S KIT 3 CORE 35MM2	KIT	1
SEC8	SEC H/S KIT 3 CORE 35MM2	KIT	1
SEC9	SEC H/S KIT 4 CORE 35MM2	KIT	1
SEC10	SEC H/S KIT 2 CORE 50MM2	KIT	1
SEC11	SEC H/S KIT 3 CORE 50MM2	KIT	1
SEC12	SEC H/S KIT 4 CORE 50MM2	KIT	1
SEC13	SEC H/S KIT 4 CORE 50MM2	KIT	1

LOW VOLTAGE JOINTS AND TERMINATIONS

INTRODUCING CABAC CAST RESIN JOINTS

The CABAC range of Cast Resin Straight Through and Branch Cable Joints are ideal for power, signal or multiple core, telephone signal or power cables with up to 3.3kV rating.

The joints can be used where cables are:

- Buried directly in the ground or trenched with aggregate
- Buried in wet/muddy ground or under water
- On rail installations
- On structured cable support systems such as CABTRAY
- Being repaired

The Cast Resin is a special unfilled polyurethane which has very good adhesive strength to all cable materials. Soft elastic properties ensure equalisation of mechanical stresses caused by different thermal expansion rates of cable components. The cast resin has definite advantages over rigid epoxy resin which makes a CABAC cast resin joint less liable to stress cracking.

CABAC Cast Resin Features:

- Easy visual check before and during pouring of cast resin
- Pouring spouts to ensure void-free resin fill
- Snap lock and pre-shaped cut-offs to allow quick sealing of mould around cable
- Cable joints that comply with VDE standards
- All accessories including gloves and armouring

FIELD TIPS

CAST RESIN JOINT FAILURE - HEATSHRINK AND RESIN

The most common causes of failure of resin joints is inadequate mixing or contamination e.g. water. Ensure that the two part packs are thoroughly mixed before pouring. The resin is sensitive to changes in temperature with setting taking longer if it is cold. Once set the resin is waterproof.

When pouring make sure there is no moisture, water, mud or other contaminant present in the housing on the cable. Sealing the housing ends with the sealing tape will prevent the resin leaking and running out of the housing. The housing should be completely filled with resin before and when it is set.

Check that the resin kit has not expired past its use by date.

Store correctly within the recommended temperature parameters.



The resin does not set properly if moisture is present. You must ensure that all mixing equipment and moulds are moisture free. If not, the resins can foam, particularly if water is mixed into the resin. Foaming can cause bubbling or porosity within the cured resin which can often lead to failure.

MIXING

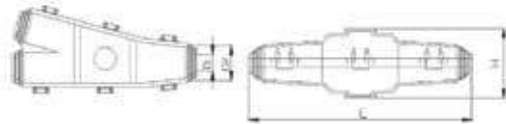
Resins need to be properly mixed. Do not combine the ingredients and give them a quick swirl, they must be thoroughly mixed.

LOW VOLTAGE BRANCH KITS FOR SINGLE TO MULTIPLE CORE CABLES

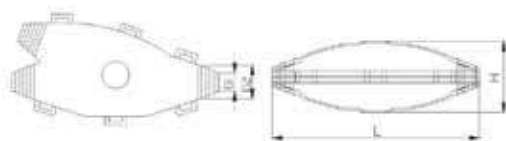
The kit is supplied with a split shell, instruction, tape, gloves, sand paper, cleaning satchel and a two part mixing bag. Ensure resin is thoroughly mixed before application.



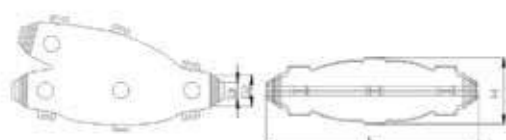
GTB1



GTB2



GTB3



Part No.	Description	Max. Dia. Through Cable (mm)	Branch Cable (mm)
GTB1	BRANCH JOINT 4X 1.5MM2 OR 1X 16MM ²	15 - 10	13 - 10
GTB2	BRANCH JOINT 4X 6MM2 OR 1X 70MM	20 - 6	17 - 5.8
GTB3	BRANCH JOINT 4X 16MM2 OR 1X 95MM ²	24 - 8.7	17 - 5.8



Certification and Test Reports are available on request.

TECHNICAL NOTE - COLD TEMPERATURES

Resins do not cure rapidly in temperatures below 20°C. Either raise the ambient temperature or warm the joint, cable and connectors, or use the following procedure:

1. Thermally insulate the joint shell using cloth or newspaper and warm if possible. Warming the cable is the easiest.
2. Mix the resin rapidly, and wait a short while until you feel the heat being generated by the resin hardening process, generally a few minutes max.
3. Rapidly pour the resin mixture into the joint. The largest cause of joint failure is badly mixed resin or decomposition or frothing caused by moisture.

Note: Moisture can originate from a gas flame.

JOINTING RESIN – LOW VOLTAGE (TO 1,000 VOLTS)

RESIN PACK

Comprised of two part packs of resin for smaller joints. This is the same compound as used in the GT series of in-line joints. To mix the resin simply remove the divider and mix the resin in the bag. To pour, simply cut off a corner of the bag and pour.

Part No.	Resin Pack Volume (ml)	Weight (g)
GAM80	80	120
GAM170	143	212
GAM250	286	420
GAM370	370	547
GAM470	464	685
GAM800	730	1076
GAM1200	1200	1766
GAM1800	1500	2208

BULK RESIN

CABAC Jointing Resin is a two component system comprising low viscosity polyurethane resin and hardener. The resin cures after mixing to a tough flexible electrically inert mass.

The resins are supplied with gloves, stirrer and instructions, either as a simple resin hardener combination, or as a filled resin.

The product is supplied in tins, and the resin and hardener should be mixed at room temperature for at least two minutes using a wide stirrer to avoid air entrapment. The resin has a pot life of approximately 15 minutes to allow the joint to be filled, and gels in approximately 1 hour and is fully cured after 24 hours.

In ambient temperatures below 20°C follow recommendations in Technical Note below.

TWO PART RESIN

Part No.	Resin Volume (l)	Kit Volume (l)	Weight (kg)
PR2L	2	2	2.2
PR3L	3	3	4.06

TECHNICAL DATA

Material:	Resin: Polyol blend
Hardener:	Polymeric Aromatic Diisocyanate
Mixing and Curing Times:	Mix time: 2 minutes Pot life at 20°C: 15 minutes Gel time: 1 hour Cure time at 20°C: 24 hours
Mix Ratio:	Resin to hardener: 100:36 by weight
Specific Gravity:	1.08
Shore Hardness:	24
Dielectric Strength:	11kV/mm

LOW VOLTAGE JOINTS AND TERMINATIONS

RESIN PACKS LV

3M Part No.	3M Material Description	CABAC Part No.	Material Description
SCO40-A	SCOTCHCAST™ EPOXY RESIN SIZE A 90ML 100G	GAM80	CABAC RESIN EG TYPE 80ML
SCO40-B	SCOTCHCAST™ EPOXY RESIN 40 SIZE B 200ML	GAM170	CABAC RESIN EG TYPE 143ML
SCO40-C	SCOTCHCAST™ EPOXY RESIN 40 SIZE C 370ML	GAM370	CABAC RESIN EG TYPE 370ML

LV RESIN

RESIN EG TYPE



- Two part resin packs for smaller joints
- Remove bag divider to mix resin
- Easy to use resin with good electrical insulation
- Bags come in different quantities for your application
- Complies with DIN VDE Standards



Part No.	Resin Pack Volume (ml)	Weight (kg)	Unit	Qty
GAM80	80	0.22	EA	1
GAM170	143	0.32	EA	1
GAM250	286	0.56	EA	1
GAM370	370	0.70	EA	1
GAM470	464	0.87	EA	1
GAM800	730	1.26	EA	1
GAM1200	1200	2.07	EA	1
GAM1800	1500	2.63	EA	1

RESIN JOINT KITS LV

3M Part No.	3M Material Description	CABAC Part No.	Material Description
92-NBB0	SCOTCHCAST™ 92-NBB0 Y BRANCH KIT 40 RESIN	GTB1	CABAC BRANCH JOINT 4X 1.5MM2 OR 1X 16MM2
92-NBB1	SCOTCHCAST™ 92-NBB1 Y BRANCH KIT 40 RESIN	GTB2	CABAC BRANCH JOINT 4X 6MM2 OR 1X 70MM2
92-NBB2	SCOTCHCAST™ 92-NBB2 Y BRANCH KIT 40 RESIN	GTB3	CABAC BRANCH JOINT 4X 16MM2 OR 1X 95MM2
LVBT-2-1	SCOTCHCAST™ LVBT-2/1 BRANCH JOINT (90 B1)	GTB1	CABAC BRANCH JOINT 4X 1.5MM2 OR 1X 16MM2

LOW VOLTAGE JOINTS AND TERMINATIONS

LV RESIN JOINT KITS

RESIN BRANCH JOINT KITS



- Supplied with a split shell, instruction, tape, gloves, sand paper, cleaning satchel and a two part mixing bag
- Several kit sizes available
- Ensure resin is thoroughly mixed before application

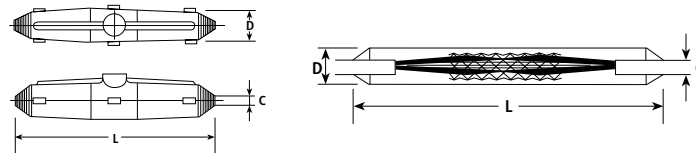


Part No.	Cable Dia.	Length (mm)	Height (mm)	Width (mm)	Max Dia Through Cable (mm)	Max Dia Branch Cable (mm)	Unit	Qty
GTB1	11-20.0	150	50	78	13-10.0	15-10.0	KIT	1
GTB2	6-21.0	175	60	80	17-5.8	20-6.0	KIT	1
GTB3	9-24.0	225	70	106	19-8.7	24-8.7	KIT	1

CAST RESIN JOINT KITS



- Range is ideal for single, multi-core telephone, signal and low voltage power cables to 1kV
- Compact water tight design with high electrical insulating values
- Kit includes basic items for armoured cable application
- Storage up to 3 years at max temp 30 Deg. Celsius
- Complies with VDE Standards



Part No.	(C) OD (mm)	D (mm)	L (mm)	Gross Weight (kg)	Unit	Qty
GTA0	6.0-18	18	190	0.4	KIT	1
GTA1	8.0-21	40	202	0.4	KIT	1
GTA3	16-31	60	260	0.7	KIT	1
GTA4	21-36	70	360	1.1	KIT	1
GTA5	26-39	75	400	1.6	KIT	1
GTA6	35-53	100	530	4.9	KIT	1
GTA7	45-72	140	700	17	KIT	1

LOW VOLTAGE JOINTS AND TERMINATIONS

POWERJOINT™ HEATSHRINK JOINT KITS

HS JOINT KITS 1kV MULTI CORE ARMoured AND UNARMoured

POWERJOINT™ heatshrink kits are commonly used when jointing low and medium voltage cables in order to provide successful electrical connectivity and environmental insulation.

Each POWERJOINT™ kit comprises a unique set of cross-linked polymer tubes creating a water seal and excellent connection for low voltage joints.

POWERJOINT™ kits have been individually designed for the specific requirements of the subject cable to be jointed with design variations dependent on the type and geographical requirements for the application. This may include additional armour or insect defeating sheathing.

Electrical conductivity is provided by teaming the POWERJOINT™ kit with an appropriate set of proven, tested and patented CABAC lugs or links. The combination of certified POWERJOINT™ heatshrink kits together with proven and tested CABAC connector products, backed by local support, will provide both straightforward and successful joints.

Kits are designed for mechanical shear technology and compression lugs.

POWERJOINT™ FEATURES

- Practically unlimited shelf-life (depending on environmental conditions)
- Few kit sizes cover a vast cross-section range reducing inventory values
- Simple to install with clear, easy to follow installation instructions that have been designed and developed in Australia
- Range of low voltage kits are designed for polymeric cables used in Australia, New Zealand and Australasia
- Specialist kits available (designed upon request)

LV HEAT SHRINK JOINT KITS

ARMoured AND NON ARMoured 4 CORE LOW VOLTAGE JOINTS



- Practically unlimited shelf-life (depending on environmental conditions)
- Designed for Australasian polymeric cables
- A few kit sizes cover a vast cable cross-section range
- Simple and quick installation (Crimp links provided)
- Suited for XLPE/EPR/PVC cable types

Part No.	Description	Voltage Class (kV)	Mechanical Links	Dielectric	Unit	Qty
H1J4X1.5-6	JOINT 4 CORE 1.5-6 SQ.MM INLINE JOINT KIT	1	NO	XLPE or EPR	EA	1
H1J4AX1.5-6	JOINT 4 CORE 1.5-6MM LV JOINT ARMoured	1	NO	XLPE or EPR	EA	1

LOW VOLTAGE JOINTS AND TERMINATIONS

5 CORE LOW VOLTAGE JOINTS



- Practically unlimited shelf-life (depending on environmental conditions)
- Designed for Australasian polymeric cables
- A few kit sizes cover a vast cable cross-section range
- Simple and quick installation (Crimp links provided)
- Suited for XLPE/EPR/PVC cable types



Part No.	Description	Voltage Class (kV)	Mechanical Links	Dielectric	Unit	Qty
H1J5AX1.5-6	JOINT 5 CORE 1.5-6MM LV JOINT ARMOURED	1	NO	XLPE or EPR	EA	1
H1J5AX4-16	JOINT 5 CORE 4-16MM LV JOINT ARMOURED	1	NO	XLPE or EPR	EA	1
H1J5AX16-50	JOINT 5 CORE 16-50MM LV JOINT ARMOURED	1	NO	XLPE or EPR	EA	1
H1J5AX25-150	JOINT 5 CORE 25-150MM LV JOINT ARMOURED	1	NO	XLPE or EPR	EA	1
H1J5AX95-300	JOINT 5 CORE 95-300MM LV JOINT ARMOURED	1	NO	XLPE or EPR	EA	1

INLINE JOINT KITS



- Practically unlimited shelf-life (depending on environmental conditions)
- Designed for Australasian polymeric cables
- A few kit sizes cover a vast cable cross-section range
- Simple and quick installation (Crimp links provided)
- Suited for XLPE/EPR/PVC cable types



Part No.	Description	Voltage Class (kV)	Mechanical Links	Dielectric	Unit	Qty
H1J5X1.5-6	1.5-6 SQ.MM INLINE JOINT KIT 5C	1	NO	XLPE or EPR	EA	1
H1J5X4-16	4-16 SQ.MM INLINE JOINT KIT 5C	1	NO	XLPE or EPR	EA	1
H1J5X16-50	16-50 SQ.MM INLINE JOINT KIT 5C	1	NO	XLPE or EPR	EA	1
H1J5X25-150	25-150 SQ.MM INLINE JOINT KIT 5C	1	NO	XLPE or EPR	EA	1
H1J5X95-300	95-300 SQ.MM INLINE JOINT KIT 5C	1	NO	XLPE or EPR	EA	1

SUBMERSIBLE PUMP KIT

4 INCH SUBMERSIBLE PUMP KIT

Unit: EA Qty: 1



Part No. SPK4IN

- Suitable for joining cable connecting 4 inch three phase borehole submersible motors
- From 4 core 2.5mm² and 4mm² to 10mm² or 3 core 6mm² and 10mm²
- Can be submersed up to 5m but is not generally submerged
- For submersible cables at greater depth please use SMPH Series
- Kit contains: Heat shrink tubes, sand paper and links

LOW VOLTAGE JOINTS AND TERMINATIONS

FIELD TIPS - JOINT FAILURE MOST COMMON CAUSES

HEATSHRINK JOINT FAILURE

Unequal Heating: The most common failure of a heatshrink joint is caused by shrinking tube from one side only. The glue in glue lined heatshrink is heat activated, and is designed to melt at a point below the shrinkage point for the tubing. It is possible to shrink a tube on to a cable jacket without applying the amount of heat right around the joint.

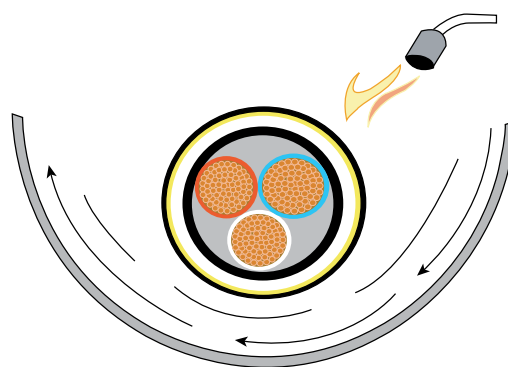
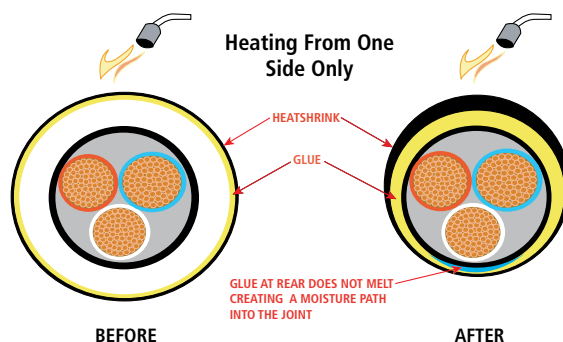
HEATING THE REAR OF A JOINT

The best way to heat the rear of a joint, if you cannot get access to it, is to use a heat deflector. This can simply be a curved piece of tin plate. This deflects the heat around the rear of the joint and makes the heatshrink shrink all around the joint.

Unprepared Cable Jacket: It is essential that the cable jacket is clean and grease free and has been roughened. Ensure the following steps are taken:

- Roughen the outer jacket of the cable for a distance of approximately five cable diameters at each end with coarse sand paper, typically 60 to 80 grit, or a fine rasp.
- Clean the roughened area with an alcohol wipe, or methylated spirits and a clean rag.
- Warm the joint area before you start the shrinkage process. This drives off any moisture, and if using a flame, flame wipe the joint area, as this creates an oxide layer for better adhesion.

Over Heating: If using a flame, use a soft yellow flame and move it the whole time. Do not hold on one spot. If the heatshrink becomes a chalky grey colour and texture, it has been over heated.



LOW VOLTAGE JOINTS AND TERMINATIONS

LV HEATSHRINK END CAPS

TRIPLE LV HEAT SHRINK END CAPS



- Practically unlimited shelf-life (depending on environmental conditions)
- Designed for Australasian polymeric cables
- A few kit sizes cover a vast cable cross-section range
- Simple and quick installation (instructions supplied)
- Mechanically robust

Part No.	Description	Unit	Qty
H1TRECS2	TRIPLE END SEAL PLUS MASTIC 6 TO 16MM OD	EA	1
H1TRECS3	TRIPLE END SEAL PLUS MASTIC 18 TO 32MM OD	EA	1
H1TRECS4	TRIPLE END SEAL PLUS MASTIC 28 TO 48MM OD	EA	1
H1TRECS5	TRIPLE END SEAL PLUS MASTIC 55 TO 90MM OD	EA	1
H1TRECS6	TRIPLE END SEAL PLUS MASTIC 65 TO 110MM OD	EA	1

SINGLE END LV HEATSHRINK END CAPS



- Practically unlimited shelf-life (depending on environmental conditions)
- Designed for Australasian polymeric cables
- A few kit sizes cover a vast cable cross-section range
- Simple and quick installation
- Water proof caps for cables installations and cable drums

Part No.	Description	Unit	Qty
H1CS2	SINGLE END CAP PLUS MASTIC 6 TO 16MM OD	EA	1
H1CS3	SINGLE END CAP PLUS MASTIC 18 TO 32MM OD	EA	1
H1CS4	SINGLE END CAP PLUS MASTIC 28 TO 48MM OD	EA	1
H1CS5	SINGLE END CAP PLUS MASTIC 55 TO 90MM OD	EA	1
H1CS6	SINGLE END CAP PLUS MASTIC 65 TO 110MM OD	EA	1

COLD SHRINK TUBES

3M Part No.	3M Material Description	Old Part No.	POWERJOINT™ New Part No.	Material Description
80610921936	8425-8 COLDSHRINK 10.1-20.9 X 203MM	8423-6	EPDM25-8-203	POWERJOINT™ EPDM COLDSHRINK 10.1-20.9 203MM
80610927677	8426-11 COLDSHRINK 30.1-13.9 X 279MM	8424-8	EPDM35-11-279	POWERJOINT™ EPDM COLDSHRINK 13.9-30.1 279MM
80610928378	8426-9 COLDSHRINK 30.1-13.9 X 229MM	8425-8	EPDM35-9-229	POWERJOINT™ EPDM COLDSHRINK 13.9-30.1 229MM
80610134035	8427-12 COLDSHRINK 35.1-16.8 X 305MM	8426-11	EPDM40-12-305	POWERJOINT™ EPDM COLDSHRINK 17.5-35.1 305MM
80610134043	8427-16 COLDSHRINK 35.1-16.8 X 406MM	8426-9	EPDM40-16-406	POWERJOINT™ EPDM COLDSHRINK 17.5-35.1 406MM
80610456164	8427-6 COLDSHRINK 35.1-16.8 X 152MM	8427-12	EPDM40-6-152	POWERJOINT™ EPDM COLDSHRINK 17.5-35.1 152MM
80610154603	8428-12 COLDSHRINK 49.3-24.0 X 305MM	8427-16	EPDM53-12-305	POWERJOINT™ EPDM COLDSHRINK 24.1-49.2 305MM
80610134050	8428-18 COLDSHRINK 49.3-24.0 X 457MM	8427-6	EPDM53-18-457	POWERJOINT™ EPDM COLDSHRINK 24.1-49.2 457MM
80610456172	8428-6 COLDSHRINK 49.3-24.0 X 152MM	8428-12	EPDM53-6-152	POWERJOINT™ EPDM COLDSHRINK 24.1-49.2 152MM
80610134068	8429-18 COLDSHRINK 67.8-32.2 X 457MM	8428-18	EPDM70-18-457	POWERJOINT™ EPDM COLDSHRINK 32.2-67.8 457MM
80610456313	8429-9 COLDSHRINK 67.8-32.2 X 229MM	8428-6	EPDM70-9-457	POWERJOINT™ EPDM COLDSHRINK 32.2-67.8 152MM
80610921902	8430-18 COLDSHRINK 93.7-42.7 X 457MM	8429-18	EPDM104-18-457	POWERJOINT™ EPDM COLDSHRINK 42.6-93.7 457MM

LOW VOLTAGE JOINTS AND TERMINATIONS

LV COLD SHRINK EPDM TUBES

COLD SHRINK TUBES



- Premium Ethylene Propylene Diene Monomer formed into an expanded tube - removal of core shrinks the tube
- No flame required, fast installation
- Provides a constant radial pressure finish that excludes water
- Accommodates a wide range of cable sizes suited for direct burial
- Good thermal stability

POWERJOINT™



Part No.	Description	Unit	Qty
EPDM20-6-152	POWERJOINT EPDM COLDSHRINK 7.8-14.3 152	EA	1
EPDM25-8-203	POWERJOINT EPDM COLDSHRINK 10.1-20.9 203	EA	1
EPDM35-9-229	POWERJOINT EPDM COLDSHRINK 13.9-30.1 229	EA	1
EPDM35-11-279	POWERJOINT EPDM COLDSHRINK 13.9-30.1 279	EA	1
EPDM40-6-152	POWERJOINT EPDM COLDSHRINK 17.5-35.1 152	EA	1
EPDM40-12-305	POWERJOINT EPDM COLDSHRINK 17.5-35.1 305	EA	1
EPDM40-16-406	POWERJOINT EPDM COLDSHRINK 17.5-35.1 406	EA	1
EPDM53-6-152	POWERJOINT EPDM COLDSHRINK 24.1-49.2 152	EA	1
EPDM53-12-305	POWERJOINT EPDM COLDSHRINK 24.1-49.2 305	EA	1
EPDM53-18-457	POWERJOINT EPDM COLDSHRINK 24.1-49.2 457	EA	1
EPDM70-18-457	POWERJOINT EPDM COLDSHRINK 32.2-67.8 457	EA	1
EPDM104-18-457	POWERJOINT EPDM COLDSHRINK 42.6-93.7 457	EA	1

COLDSHRINK END CAPS

3M Part No.	3M Material Description	Old Part No.	POWERJOINT™ New Part No.	Material Description
XA003895001	EC-1 COLDSHRINK END CAP 12-21MM	MMM-EC-1	EPDM-SE1	POWERJOINT™ EPDM COLDSHRINK END CAP 12-21MM
XA003895019	EC-2 COLDSHRINK END CAP 16-30MM	MMM-EC-2	EPDM-SE2	POWERJOINT™ EPDM COLDSHRINK END CAP 16-30MM
XA003895027	EC-3 COLDSHRINK END CAP 26-49MM	MMM-EC-3	EPDM-SE3	POWERJOINT™ EPDM COLDSHRINK END CAP 26-49MM
XA003895035	EC-4 COLDSHRINK END CAP 46-84MM	MMM-EC-4	EPDM-SE4	POWERJOINT™ EPDM COLDSHRINK END CAP 46-84MM

LV COLD SHRINK EPDM CAPS

END CAPS



- Premium Ethylene Propylene Diene Monomer formed into an expanded tube
- No flame required, fast installation
- Provides a constant radial pressure finish that excludes water
- Large cable range
- Protection for cables and pipes

POWERJOINT™

Part No.	Description	Unit	Qty
EPDM-SE1	POWERJOINT EPDM COLDSHRINK END CAP 12-21	EA	1
EPDM-SE2	POWERJOINT EPDM COLDSHRINK END CAP 16-30	EA	1
EPDM-SE3	POWERJOINT EPDM COLDSHRINK END CAP 26-49	EA	1
EPDM-SE4	POWERJOINT EPDM COLDSHRINK END CAP 46-84	EA	1

CONSTANT FORCE SPRINGS

CONSTANT FORCE SPRINGS



- Exerts a constant radial pressure to secure sheaths, tapes and wires
- Easily applied by threading around the cable core or outer
- Provides reliable solderless continuity
- High output force 304 Stainless Steel
- Large range of sizes

Part No.	Description	Unit	Qty
CFS1	POWERJOINT CONSTANT FORCE SPRING 14-22MM	PAK	10
CFS2	POWERJOINT CONSTANT FORCE SPRING 19-29MM	PAK	10
CFS3	POWERJOINT CONSTANT FORCE SPRING 24-37MM	PAK	10
CFS4	POWERJOINT CONSTANT FORCE SPRING 31-50MM	PAK	10
CFS5	POWERJOINT CONSTANT FORCE SPRING 44-70MM	EA	1
CFS6	POWERJOINT CONSTANT FORCE SPRING 58-94MM	EA	1

CLAMPS AND ACCESSORIES

INTRODUCING DUTCHCLAMP®

DUTCHCLAMP® IM TYPE CABLE BLOCKS

Dutchclamp® IM Cable Blocks are specially designed for short-circuit resistant and safe fastening of single or multicore medium and high voltage cables. IM types are available in 3 models and suitable for cables with a diameter from 12mm to 32mm and 32mm to 48mm.

Dutchclamp® IM Cable Blocks are unique in their kind. The surfaces wherein the cables come to lie ensure perfect pressure distribution and maximum grip on the cables without sharp edges. In this way, there is no point load on the cables and the cables are not damaged.

Dutchclamp® IM Cable Blocks are manufactured from the highest quality glass fibre reinforced polyamide and are therefore ideally suited for installations where very high short circuit forces may occur.

The unique raw material used in manufacturing these cable clamps makes them resistant to corrosion, ozone, frost, heat, oil, acids, salts, aggressive chemicals, UV and nuclear radiation. There is no reduction in force within temperatures from -40°C to + 125°C (225°C momentarily).

Dutchclamp® IM Cable Blocks have been tested by, among others, UL (The Underwriters Laboratories U.S.A), the Prof. Ir. Damstra Laboratory (Eaton), Voltalab Grenoble (Schneider) and SGS Brussels in accordance with the NEN-EN-IEC 61914:2009 International Standard. All test reports are available upon request.

Dutchclamp® IM Cable Blocks are used worldwide and are therefore available from stock. They can also be supplied with appropriate fastening material.



DUTCHCLAMP® TRIPLE TYPE CABLE CLAMPS

Dutchclamp® Triple Cable Clamps are specially designed for short-circuit resistant fastening of cables in trefoil applications. Triple types are available in 6 models and suitable for cables with a diameter from 27mm to 150mm.

Dutchclamp® Triple Cable Clamps are unique in their kind. The surfaces wherein the cables come to lie ensure perfect pressure distribution and maximum grip on the cables without sharp edges. In this way, there is no point load on the cables and the cables are not damaged.

Dutchclamp® Triple Cable Clamps are manufactured from the highest quality glass fibre reinforced polyamide and are therefore ideally suited for installations where high short circuit forces may occur.

The unique raw material used in manufacturing these cable clamps, makes them resistant to corrosion, ozone, frost, heat, oil, acids, salts, aggressive chemicals, UV and nuclear radiation. There is no reduction in force within temperatures from -40°C to + 125°C (225°C momentarily).

Dutchclamp® Triple Cable Clamps have been tested by, among others, UL (The Underwriters Laboratories U.S.A), Voltalab in Grenoble (Schneider), the Prof. Ir. Damstra Laboratory (Eaton), KEMA and SGS Brussels in accordance with the NEN-EN-IEC 61914:2009 International Standard. All test reports are available upon request.



DUTCHCLAMP® SEG TYPE CABLE CLAMPS

Dutchclamp® SEG Cable Clamps are specially designed for short-circuit resistant fastening of single or multicore medium and high voltage cables. SEG Types are available in 2 models and suitable for cables with a diameter from 26mm to 50mm (DC-SEG26-50) and 50mm to 80mm (DC-SEG50-80).

Dutchclamp® SEG Cable Clamps are unique in their kind. The surfaces wherein the cables come to lie ensure perfect pressure distribution and maximum grip on the cables without sharp edges. In this way, there is no point load on the cables and the cables are not damaged. SEG cable clamps are stackable and may also be fastened by means of the extra centre hole.

Dutchclamp® SEG Cable Clamps are manufactured from the highest quality glass fibre reinforced polyamide and are therefore ideally suited for installations where high short circuit forces may occur.

The unique raw material used in manufacturing these cable clamps, makes them resistant to corrosion, ozone, frost, heat, oil, acids, salts, aggressive chemicals, UV and nuclear radiation. There is no reduction in force within temperatures from -40°C to +120°C (225°C momentarily).

Dutchclamp® SEG Cable Clamps have been tested by SGS Brussels and the Voltalab in Grenoble (Schneider) in accordance with the NEN-EN-IEC 61914:2009 International Standard. All test reports are available upon request.

Dutchclamp® SEG Cable Clamps are used worldwide and are therefore available from stock. They can also be supplied with appropriate fastening material.



DUTCHCLAMP® SE TYPE CABLE CLAMPS

Dutchclamp® SE Cable Clamps are specially designed for short-circuit resistant fastening of single or multicore medium and high voltage cables. SE types are available in 7 models and suitable for cables with a diameter from 15mm to 170mm.

Dutchclamp® SE Cable Clamps are unique in their kind. The surfaces wherein the cables come to lie ensure perfect pressure distribution and maximum grip on the cables without sharp edges. In this way, there is no point load on the cables and the cables are not damaged.

Dutchclamp® SE Cable Clamps are manufactured from the highest quality, glass fibre reinforced polyamide and are therefore ideally suited for installations where very high short circuit forces may occur.

The unique raw material used in manufacturing these cable clamps makes them resistant to corrosion, ozone, frost, heat, oil, acids, salts, aggressive chemicals, UV and nuclear radiation. There is no reduction in force within temperatures from -40°C to +125°C (225°C momentarily).

Dutchclamp® SE Cable Clamps have been tested by, among others, UL (The Underwriters Laboratories U.S.A), the Prof. Ir. Damstra Laboratory (Eaton), Voltalab Grenoble (Schneider) and SGS Brussels in accordance with the NEN-EN-IEC 61914:2009 International Standard. All test reports are available upon request.

Dutchclamp® SE Cable Clamps are used worldwide and are therefore available from stock. They can also be supplied with appropriate fastening material.



CLAMPS AND ACCESSORIES

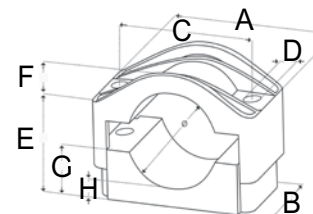
SE TYPE SINGLE CABLE CLAMPS

DUTCHCLAMP



- Resistant to oils, fats, aggressive chemicals, frost, heat, UV, ozone, salt, moisture, acids and nuclear radiation
- Resistant to short-circuit currents up to 202kA
- Very simple installation

Dutchclamp®
Cable clamps - Cable blocks



Part No.	Cable Dia.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Torque (Nm)	Unit	Qty
DC-SE15-26	15-26	77	45	50	10	26-42	4	17	8	5	EA	1
DC-SEC26-38	26-38	92	60	60	12	33-49	7	18	7	5	EA	1
DC-SE36-52	36-52	105	60	75	12	39-55	15	23	8	5	EA	1
DC-SE50-75	50-75	126	60	95	12	46-71	22	30	9	5	EA	1
DC-SE75-100	75-100	200	80	150	15	70-95	32	45	10	5	EA	1
DC-SE100-135	100-135	225	85	175	15	85-120	43	58	10	8	EA	1
DC-SE135-170	135-170	260	90	210	15	133-169	62	90	28	8	EA	1

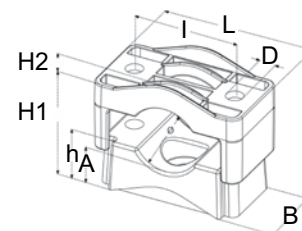
SEG TYPE CABLE CLAMP

DUTCHCLAMP



- Resistant to oils, fats, aggressive chemicals, frost, heat, UV, ozone, salt, moisture, acids and nuclear radiation
- Resistant to short-circuit currents up to 150kA
- Very simple installation

Dutchclamp®
Cable clamps - Cable blocks



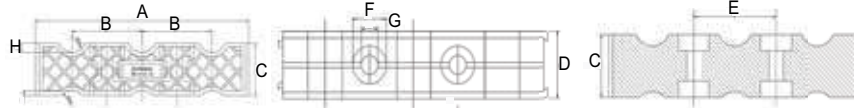
Part No.	Cable Dia.	L (mm)	B (mm)	I (mm)	D (mm)	H1 (mm)	H2 (mm)	h (mm)	A (mm)	Torque (Nm)	Unit	Qty
DC-SEG26-50	51	111	60	76	12.5	55.5-79.5	11	36	24	5	EA	1
DC-SEG50-80	81	135	60	100	12.5	78.5-108	15	47	23	5	EA	1

IM TYPE CABLE CLAMPS

DUTCHCLAMP

Dutchclamp®
Cable clamps - Cable blocks

- Resistant to oils, fats, aggressive chemicals, frost, heat, UV, ozone, salt, moisture, acids and nuclear radiation
- Resistant to short-circuit currents/forces up to 150kA
- Very simple installation



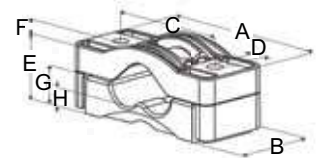
Part No.	Cable Dia.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Torque (Nm)	Unit	Qty
DC-IM3X12-32		226	74	50	50	74	28	14	9	5	PAK	2
DC-IM4X12-32		280	74	50	50	147	28	14	9	5	PAK	2
DC-IM4X32-48		345	85	65	50	170	28	14	18	5	PAK	2

TREFOIL TRIPLE TYPE CLAMPS

DUTCHCLAMP

Dutchclamp®
Cable clamps - Cable blocks

- Resistant to oils, fats, aggressive chemicals, frost, heat, UV, ozone, salt, moisture, acids and nuclear radiation
- Resistant to short-circuit currents/forces up to 150kA
- Very simple installation



Part No.	Cable Dia.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Torque (Nm)	Unit	Qty
DC-TPL27-38	3x 27-38	180	75	125	15.5	63	12	35	16.5	5	EA	1
DC-TPL38-51	3x 38-51	195	80	145	15.5	84	16	45	20	5	EA	1
DC-TPL51-69	3x 51-69	220	85	170	15.5	109	21	58	26	5	EA	1
DC-TPL69-90	3x 69-90	252	90	215	15.5	134	29	72	30	8	EA	1
DC-TPL90-118	3x 90-118	321	100	270	15.5	180	27	89	33	8	EA	1
DC-TPL118-150	3x 118-150	400	100	340	15.5	211	37	110	75	8	EA	1

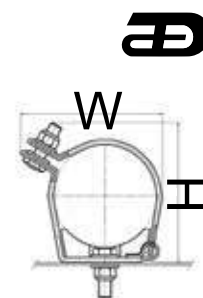
CLAMPS AND ACCESSORIES

SINGLE CABLE CLEATS

DGM



- Secures cables at very high currents during short circuits
- Compliant and tested to IEC 61914: 2009
- Stainless Steel 316 with Halogen free LSF liner pad
- Resistant to salt, UV, chemicals, heat frost and moisture
- Very simple installation



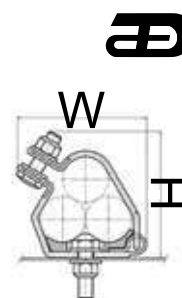
Part No.	Height (H) (mm)	Width (W) (mm)	Unit	Qty
DSCS-S2832	61	55	EA	1
DSCS-S3236	65	59	EA	1
DSCS-S3640	71	63	EA	1
DSCS-S4044	71	67	EA	1
DSCS-S4448	74	71	EA	1
DSCS-S4852	77	75	EA	1
DSCS-S5256	80	79	EA	1
DSCS-S5660	83	83	EA	1
DSCS-S6064	86	87	EA	1
DSCS-S6468	90	91	EA	1
DSCS-S6872	93	95	EA	1
DSCS-S7276	97	99	EA	1
DSCS-S7680	101	103	EA	1
DSCS-S8084	105	107	EA	1
DSCS-S8488	109	111	EA	1
DSCS-S8892	113	117	EA	1
DSCS-S9296	126	127	EA	1
DSCS-S100112	140	139	EA	1

TREFOIL CABLE CLEATS

DGM



- Secures cables at very high currents during short circuits
- Compliant and tested to IEC 61914: 2009
- Stainless Steel 316 with Halogen free LSF liner pad
- Resistant to salt, UV, chemicals, heat frost and moisture
- Very simple installation



Part No.	Height (H) (mm)	Width (W) (mm)	Unit	Qty
DSCS-A2329	81	78	EA	1
DSCS-A2733	86	83	EA	1
DSCS-A3238	94	95	EA	1
DSCS-A3844	101	104	EA	1
DSCS-A4551	109	117	EA	1
DSCS-A5157	116	127	EA	1
DSCS-A5763	126	140	EA	1
DSCS-A6369	136	150	EA	1
DSCS-A6975	147	160	EA	1
DSCS-A7581	158	169	EA	1
DSCS-A8187	169	179	EA	1
DSCS-A8692	177	187	EA	1
DSCS-A9199	185	196	EA	1
DSCS-A99107	194	202	EA	1

General Electrical

Nylon Metric Thread	A123	Cleaners	A173
Nylon European Thread	A124	Lubricants	A174
Brass Nickel Plated Unarmoured Metric Thread	A125	Adhesives	A175
Brass Nickel Plated Unarmoured PG Thread	A125	Sealants	A175
Brass Nickel Plated Metric Thread (Emc)	A127	Pesticides	A176
Brass Nickel Plated Unarmoured Metric Thread	A128		
Brass Nickel Plated Armoured Metric Thread	A129		
Hazardous Nylon Glands	A130		
Hazardous Metal Glands	A131		
Locknuts	A131		
Brass Earth Tags	A133		
PVC Gland Shrouds	A133		
Nylon Cable Ties	A135		
Nylon Releasable Ties	A137		
Nylon Mounting Head Ties	A138		
Nylon Push Mount Ties	A138		
Nylon Identification Ties	A139		
Cable Tie Packs	A139		
Coloured Cable Ties	A140		
Nylon Metal Tooth Cable Ties	A140		
Nylon Detectable Cable Ties	A141		
Stick on Mounts	A141		
Screw Mounts	A142		
Cable Tie Anchors	A143		
Pro Cable Ties	A143		
Stainless Steel Ties	A144		
Braided Sleeving	A148		
CABSTRAP	A149		
Spiral Binding	A150		
Loom Tube	A151		
Easy Wrap Binding	A152		
Fibreglass Sleeving	A152		
Strain Relief Bushings	A152		
Grommets	A153		
Fixings	A153		
Mechanical Anchors	A154		
Conduit Flashing	A161		
Clips	A161		
Wall Plugs	A163		
Bushes Nylon	A164		
Fasteners	A165		
Wire Nuts	A169		
Plug and Cord	A169		

GLANDS

CABAC Premium Nylon Cable Gland - Polyamide 6,6 (PA66) Nylon[®] Halogen Free - IP68

CABAC's range of Nylon Glands are a unique product.

A camera shutter principle in the cable sealing mechanism makes the gland IP68 rated and 50m submersible. There is no necessity to disassemble the gland prior to installation - just insert the cable through and tighten up. The cable diameter range that each gland can take is large, thus reducing stock inventories.

- IP68 rating - the highest possible
- 5 bar pressure, i.e. submersible to 50m
- Superior strain relief
- Trapezoidal thread for quick high torque tightening
- Large cable range with each gland
- No throw away O-rings – one seal for whole range
- Black material for extended exterior use. Incorporates a unique 'camera shutter' principle which gives IP68 sealing with large cable range
- Long metric thread to suit Australian requirements

The gland to cable interface has an IP68 50m submersible rating, however to maintain this rating, the gland to equipment interface needs appropriate attention. The glands are supplied with optional neoprene seals that can be used to seal the gland body to the equipment. Care should be taken with these seals to ensure the gland is not over tightened, causing the seal to "pop". The glands have a sealing ridge moulded into the gland base, which works effectively with equipment with built-in threads, and a flat surface where the gland beds. In these cases the neoprene seal is not required.

It is recommended that an appropriate sealing compound is used on the body thread in areas that the IP rating is critical. CABAC's cable glands are suitable for use in machine installation, construction, measuring and regulating equipment, site installation and many other applications.

Check with CABAC Technical Staff if installed on light metal enclosures which must be immersed.

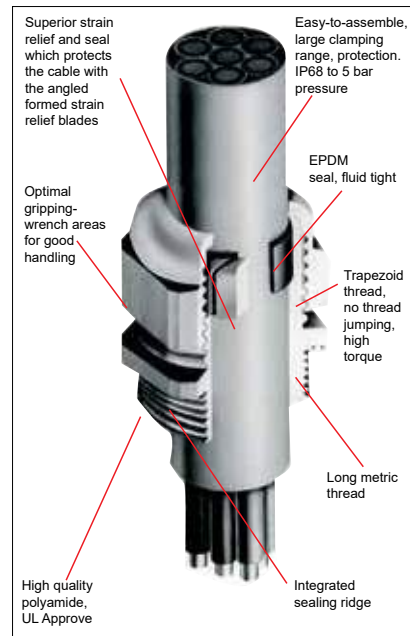


Our glands are IP68

6 = Dust tight

8 = Protected against submersion

This is the highest IP rating possible!



What is an IP rating?

Below is an extract from AS 1939 which gives the degrees of protection relating to IP rating.

An IP rating is made up of two numbers, the first relating to solid objects and dust ingress and the second to water ingress.

First Numeral of an IP Rating (AS 1939) Solid Objects/Dust Protection

0	Non-protected
1	Protected against solid objects greater than 50mm
2	Protected against solid objects greater than 12mm
3	Protected against solid objects greater than 2.5mm
4	Protected against solid objects greater than 1.0mm
5	Dust protected
6	Dust tight

Second Numeral of an IP Rating (AS 1939) Water Protection

0	Non-protected
1	Protected against dripping water
2	Protected against dripping water when tilted up to 15 degrees
3	Protected against spraying water
4	Protected against splashing water
5	Protected against water jets
6	Protected against heavy seas
6D	Protected against driving rain
7	Protected against the effect of immersion
8	Protected against submersion

NYLON METRIC THREAD

NYLON METRIC PREMIUM



- Metric threaded glands made from Polyamide 6.6 with camera shutter cable sealing rated IP68
- Medium resistance to vegetable oils and Benzol
- Conforms to Standards DIN VDE 0619, IP68 i.e. 5 bar
- Supplied complete with locknut and body seal



Part No.	Cable Thread Size	OD Cable Range (mm)	Thread Width (mm)	A/F (mm)	Unit	Qty
GN12	M12	3-6	8	15.0	BOX	40
GN16	M16	5-10	15	21.8	BOX	40
GN20	M20	8-13	15	26.3	BOX	25
GN25	M25	9-18	15	32.0	BOX	15
GN32	M32	15-24	15	41.5	BOX	5
GN40	M40	19-28	18	49.2	BOX	5
GN50	M50	27-38	18	59.2	BOX	2
GN63	M63	36-47	18	71.2	BOX	2

NYLON WASHER PREMIUM



- EPDM washer for Polyamide premium GN glands
- Seals gland and mounting plate with locknut
- Made from EPDM (ethylene propylene diene monomer)



Part No.	Description	Unit	Qty
GN16-NW	GN16 WASHER	BAG	10
GN20-NW	GN20 WASHER	PAK	10
GN25-NW	GN25 WASHER	BAG	10
GN32-NW	GN32 WASHER	BAG	10
GN40-NW	GN40 WASHER	BAG	10
GN50-NW	GN50 WASHER	BAG	10
GN63-NW	GN63 WASHER	BAG	10

NYLON METRIC STANDARD



- Metric threaded PA6.6 gland with camera shutter type seal complete with lock nut and seal rated IP68
- UV stabilised and submersible up to 50m, 5 bar pressure
- Large cable range per gland reducing inventory
- Gland range covers cable diameters from 3mm to 44mm



Part No.	Cable Thread Size	OD Cable Range (mm)	Thread Width (mm)	A/F (mm)	Unit	Qty
GN12S	M12	3-6.5	8	15	BOX	40
GN16S	M16	5-10	15	21.8	BOX	40
GN20S	M20	10-14	15	26.3	BOX	25
GN25S	M25	13-18	15	32	BOX	15
GN32S	M32	18-25	15	41.5	BOX	5
GN40S	M40	22-32	18	49.2	BOX	5
GN50S	M50	30-38	18	59.2	BOX	2
GN63S	M63	34-44	18	71.2	BOX	2

GLANDS

Gland Selection Chart - For PVC Sheathed and Insulated Cables

Cable Area (mm ²)	PVC Ins. Single	S.D.I. Single Core	Two Core	Three Core	Four Core
1	GN12/GN12S	GN16/GN16S			
1.5	GN12/ GN12S	GN16/GN16S	GN20/GN20S	GN20/GN20S	GN20/GN20S/ GN25/GN25S
2.5	GN12/ GN12S	GN16/GN16S	GN20/GN20S/GN25/ GN25S	GN20/GN20S/GN25/GN25S	GN25/GN25S
4	GN12/ GN12S /GN16/ GN16S	GN16/GN16S	GN25/GN25S	GN25/GN25S	GN25/ GN25S/ GN32/GN32S
6	GN12/ GN12S/GN16/GN16S	GN16/GN16S/GN20/GN20S	GN25/GN25S	GN25/GN25S/GN32/GN32S	GN32/G/GN32S
10	GN16/ GN16S	GN16/GN16S/GN20/GN20S	GN25/ GN25S/GN32/ GN32S	GN32/GN32S	GN32/GN32S/ GN40/GN40S
16	GN16/ GN16S	GN20/GN20S	GN32/GN32S	GN32/GN32S/GN40/GN40S	GN40/GN40S
25	GN16/ GN16S/GN20/GN20S	GN20/GN20S/GN25/GN25S	GN40/GN40S	GN40/GN40S	GN40/GN40S/ GN50/GN50S
35	GN20/GN20S	GN25/GN25S		GN40/GN40S/GN50/GN50S	GN50/GN50S
50	GN20/GN20S/GN25/GN25S	GN25/ GN25S/GN32/GN32S		GN50/GN50S/GN63/GN63S	GN50/GN560S/ GN63/GN63S
70	GN20/GN20S/GN25/GN25S	GN32/GN32S		GN63/GN63S	GN63/GN63S
95	GN25/GN25S/GN32/GN32S	GN32/GN32S/GN40/GN40S			
120	GN32/GN32S	GN40/GN40S			
150	GN32/GN32S/GN40/GN40S	GN40/GN40S			
185	GN40/GN40S	GN40/GN40S			
240	GN40/GN40S	GN50/GN50S			
300	GN40/GN40S/GN50/GN50S	GN50/GN50S/GN63/GN63S			
400	GN50/GN50S	GN63/GN63S			

NYLON EUROPEAN THREAD

NYLON EUROPEAN THREAD



- Polyamide glands from PA 6 V-Z with PG thread and shutter camera type IP68 sealing insert
- (PG) Pipe gland thread used in European produced motors etc.
- High resistance - petrol, diesel, mineral oils and weak acids
- Locknut sold separately, nitrile rubber O-ring



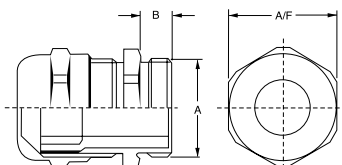
Part No.	Cable Thread Size	OD Cable Range (mm)	Thread Width (mm)	A/F (mm)	Unit	Qty
GN9PG	9PG	4-8	8	19	EA	1
GN11PG	11PG	5-10	8	22	EA	1
GN13.5PG	13.5PG	6-12	9	24	EA	1
GN16PG	16PG	10-14	10	27	EA	1
GN21PG	21PG	13-18	11	33	EA	1

BRASS NICKEL PLATED UNARMoured METRIC THREAD

METAL GU METRIC



- Metal gland with camera shutter seal rated IP68 and seals to 5 bar. Fully insulated inserted seal for fluid sealing
- Nickel plated brass gland with insert (CR/NBR, rubber) seal
- Large cable range per gland reduces inventory range. Easy to install
- The perfect gland for unarmoured PVC, XLPE and synthetic cables
- Locknut sold separately, NBR O-ring included



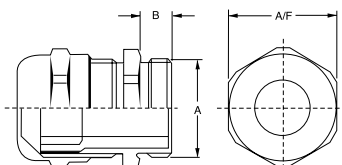
Part No.	(A) Mounting Dia. (mm)	(B) Thread Length (mm)	Min. Cable Range (mm)	Max. Cable Range (mm)	Width A/F (mm)	Unit	Qty
GU12	12	10	3	6	14	EA	1
GU16	16	10	5	9	17	EA	1
GU20	20	10	9	13	22	EA	1
GU25	25	11	11	16	27	EA	1
GU32	32	13	14	21	34	EA	1
GU40	40	13	19	27	43	EA	1
GU50	50	13	24	35	55	EA	1
GU63	63	14	32	42	65	EA	1

BRASS NICKEL PLATED UNARMoured PG THREAD

METAL GU PG



- Metal gland with camera shutter seal rated IP68 and seals to 5 bar
- (PG) Pipe gland thread used in European produced motors etc.
- Nickel plated brass with CR/NBR sealing insert
- Large cable range per gland reduces inventory range
- Locknut sold separately, but includes Nitrile rubber O-ring



Part No.	(A) Mounting Dia. (mm)	(B) Thread Length (mm)	Min. Cable Range (mm)	Max. Cable Range (mm)	Width A/F (mm)	Unit	Qty
GU9PG	9	6	4	8	17	EA	1
GU11PG	11	6	5	10	22	EA	1
GU13.5PG	13.5	6.5	6	12	22	EA	1
GU16PG	16	6.5	10	14	24	EA	1
GU21PG	21	7	13	18	30	EA	1

Metal Glands - Unarmoured IP68 - Gland Selection Chart

Note: This chart should be used as a guide only. Cable dimensions vary by manufacturer and insulation type.

Cable Area (mm ²)	PVC Ins. Single	S.D.I. Single	Two Core & Earth	Three Core & Earth	Four Core & Earth
1		GU16			
1.5	GU12	GU16	GU16/GU20	GU20	GU20
2.5	GU12	GU16	GU20	GU25	GU25
4	GU12	GU16/GU20	GU20/GU25	GU25/GU32	GU25/GU32
6	GU12/GU16	GU16/GU20	GU25	GU32	GU32
10	GU16	GU16/GU20	GU25/GU32	GU32	GU32/GU40
16	GU16	GU20	GU32	GU32/GU40	GU40
25	GU16/GU20	GU20/GU25	GU40	GU40	GU40/GU50
35	GU20	GU25		GU40/GU50	GU50
50	GU20/GU25	GU25/GU32		GU50	GU50/GU63
70	GU25	GU32		GU63	GU63
95	GU25/GU32	GU32/GU40		GU63	
120	GU32	GU40			
150	GU32/GU40	GU40			
185	GU40	GU40/GU50			
240	GU40	GU50			
300	GU40/GU50	GU50/GU63			
400	GU50	GU63			
500	GU50/GU63	GU63			
630	GU63				

Technical Data

Material

Brass nickel plated Polyamide 6 Insert (self extinguishing)
Neoprene seal (self extinguishing)
Neoprene O-ring (self extinguishing)

Continuous Operating Temperature

-20°C to +100°C

Chemical Resistance

Resistant to normal organic solvents, mineral, animal and vegetable oils, fat and petrol.

Conformant Standard

DIN 46 319 - brass glands metric

Threading

According to IEC 423, IEC 423A and EN 60423

IP Rating

IP68

Strain Relief and Twisting Protection

To DIN VDE 0619

Recommended Torque

Product Torque (Nm)

GU12	6
GU16	6
GU20	6
GU25	7
GU32	10
GU40	10
GU50	10
GU63	10

Metal Glands - EMC IP68

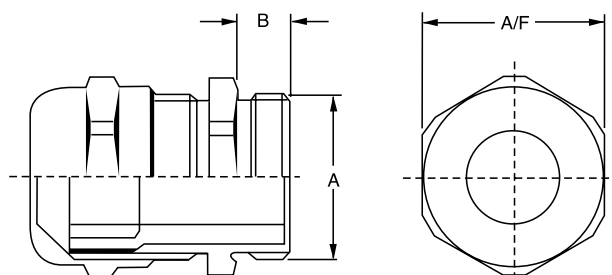
Electro Magnetic Compatibility (EMC) refers to the ability of an electrical or electronic device or system to function satisfactorily in its electro magnetic environment, without introducing intolerable electro magnetic interference (EMI) to anything in that environment. EMC encompasses controls of both unintentional emissions from a range of products that can interfere with radio communications, as well as protection of a range of devices that may be susceptible to intentional transmissions.

It is necessary to effectively terminate EMC cable (shielded) with a suitable EMC gland.

CABAC's EMC gland is similar to the popular GU range of glands, and is available in sizes from 12mm through to 63mm metric threads.

- IP68 rating - the highest possible
- Superior strain relief
- Easy to terminate cable shielding
- Larger cable range with each gland
- Nickel-plated brass for corrosion protection
- Unique "camera shutter" principal which gives IP68 sealing

Installation - to ensure compatibility the gland must be terminated into a metal enclosure or terminal box. The shielding of the cable should be stripped back to the point where the gland enters the enclosure. The gland is passed over the cable and the shielding terminated into the bottom of the gland. The gland is then screwed together and connected to the enclosure.



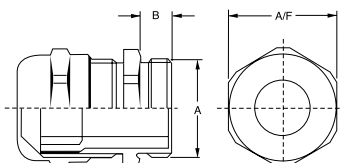
BRASS NICKEL PLATED METRIC THREAD (EMC)

METAL EMC



- Metal EMC gland with camera shutter type cable seal rated IP68 (5 bar) & with cable shield connection
- Large cable range per gland reduces inventory range
- Nickel plated brass body with Polyamide 6 V-2 insert and sealing with CR/NBR (rubber) seal
- Locknut sold separately, but with NBR O-ring
- For cables with mesh or foil shielding. Easy to use

CABAC



Part No.	(A) Mounting Dia. (mm)	(B) Thread Length (mm)	Min. Cable Range (mm)	Max. Cable Range (mm)	Width A/F (mm)	Unit	Qty
GU12EMC/L	12	10	3	6	14	EA	1
GU16EMC/L	16	10	5	9	17	EA	1
GU20EMC/L	20	10	8	13	22	EA	1
GU25EMC/L	25	11	11	17	27	EA	1
GU32EMC/L	32	13	15	21	34	EA	1
GU40EMC/L	40	13	19	28	43	EA	1
GU50EMC/L	50	14	26	35	55	EA	1
GU63EMC/L	63	14	32	42	65	EA	1

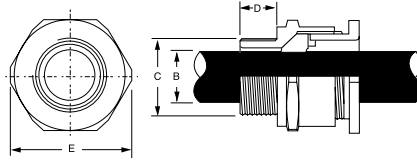
GLANDS

BRASS NICKEL PLATED UNARMOURED METRIC THREAD

METAL UNARMOURED



- General purpose gland for unarmoured PVC and XLPE sheathed cables - IP66 rated
- Large cable range per gland reduces inventory range
- Nickel plated brass body for super corrosion protection and rubber sealing ring
- Conforms to BS6121:Part 1:2005
- Locknuts Sold Separately



Part No.	(C) Mounting Thread Dia. (mm)	(D) Thread Length (mm)	(B) Min. Cable Range (mm)	(B) Max. Cable Range (mm)	(E) Across Corners (mm)	Shroud	Locknuts Included	Unit	Qty
A2-20/16	20	10	3.1	8.6	24.5	1	No	EA	1
A2-20S	20	10	6.1	11.6	26.5	1	No	EA	1
A2-20	20	10	6.5	13.9	30	2	No	EA	1
A2-25	25	10	11.1	19.9	39.9	3	No	EA	1
A2-32	32	10	17	26.2	46	3	No	EA	1
A2-40	40	15	22	32.1	55.3	4	No	EA	1
A2-50S	50	15	29.5	38.1	61.3	5	No	EA	1
A2-50	50	15	35.6	44	66.8	5	No	EA	1
A2-63S	63	15	40.1	49.9	77.5	6	No	EA	1
A2-63	63	15	47.2	55.9	83.2	7	No	EA	1
A2-75S	75	15	54	62	89	0	Yes	EA	1
A2-75	75	15	60.5	67	94	0	Yes	EA	1
A2-90	90	20	68	78	112.8	0	Yes	EA	1
A2-100	100	25	78	88	131	0	Yes	EA	1
A2-110	110	25	87	98	144.2	0	Yes	EA	1

Metal Glands - Unarmoured IP66 - Gland Selection Chart for 0.6/1kV Unarmoured PVC Cables with Circular Copper Conductors

Cable	Single Core SDI	2 Core & Earth	3 Core & Earth	3½ Core & Earth	4 Core & Earth
1.5	A2-20S	A2-20S	A2-20		A2-20
2.5	A2-20S	A2-20	A2-20		A2-25
4	A2-20S	A2-20	A2-25		A2-25
6	A2-20S	A2-25	A2-25		A2-25
10	A2-20S	A2-25	A2-25		A2-32
16	A2-20S	A2-25	A2-32		A2-32
25	A2-20	A2-32	A2-32		A2-40
35	A2-20		A2-40		A2-40
50	A2-25		A2-40	A2-50S	A2-50S
70	A2-25		A2-50S	A2-50	A2-50
95	A2-25		A2-50	A2-50	A2-63S
120	A2-32		A2-63S	A2-63S	A2-63
150	A2-32		A2-63	A2-63	
185	A2-40		A2-63		
240	A2-40				
300	A2-50S				
400	A2-50S				
500	A2-50				
630	A2-63S				

Technical Data

Material

Body Brass
Seal Neoprene rubber
Finish Nickel plated

Conformant Standard

BS6121

IP Rating

IP66

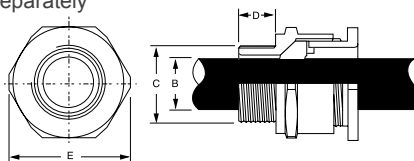
Note: This chart should be used as a guide only. Cable dimensions vary by manufacturer and insulation type.

BRASS NICKEL PLATED ARMoured METRIC THREAD

METAL ARMoured



- Nickel plated brass cable glands for steel wire armoured cables with unique wedge seal for quick and easy installation
- Weatherproof IP66 rated with seal to cable outer jacket
- Large cable range per gland reduces inventory range
- Conforms to BS6121:Part 1:1989
- Locknut sold separately



Part No.	(C) Mounting Thread Dia. (mm)	(D) Thread Length (mm)	(A) Max. Under Armour Cable Range (mm)	(B) Min. Cable Range (mm)	(B) Max. Cable Range (mm)	Armour Wire Dia. (mm)	Across Corners (mm)	Shroud	Unit	Qty
CW20/16	20	15	8.6	8	13.4	0.9	24.5	1	EA	1
CW20S	20	15	11.6	11.4	15.9	0.9 -1.25	26.5	1	EA	1
CW20	20	15	13.9	15	20.9	0.9 -1.25	30	2	EA	1
CW25	25	15	19.9	20.3	27.4	1.25 -1.6	39.9	3	EA	1
CW32	32	15	26.2	26	33.9	1.6 - 2.0	46	4	EA	1
CW40	40	15	32.1	31	40.4	1.6 - 2.0	55.3	5	EA	1
CW50S	50	15	38.1	36.5	46.7	2.0 - 2.5	61.3	6	EA	1
CW50	50	15	44	43	53.1	2.0 - 2.5	66.8	7	EA	1
CW63S	63	15	50	48.9	59.4	2.5	77.5	7	EA	1
CW63	63	15	55.9	58	65.9	2.5	83.2	7	EA	1

GLANDS

Metal Glands - Armoured Cables IP66 - Gland Selection Chart for 0.6/1kV Armoured PVC Cables with Circular Copper Conductors

Cable	2 Core & Earth	3 Core & Earth	3½ Core & Earth	4 Core & Earth
1.5	CW20S	CW20		CW20
2.5	CW20	CW20		CW20
4	CW20	CW20		CW20
6	CW20	CW25		CW25
10	CW25	CW25		CW25
16	CW25	CW25		CW32
25	CW32	CW32		CW32
35		CW32		CW40
50		CW40	CW50S	CW50S
70		CW50S	CW50S	CW50
95		CW50S	CW50	CW63S
120		CW50	CW63S	CW63S
150		CW63S	CW63S	CW63
185		CW63S	CW63	

Technical Data

Material

Body Brass
Seal Neoprene rubber
Finish Nickel plated

Conformant Standard

BS6121

IP Rating

IP66

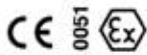
Note: This chart should be used as a guide only. Cable dimensions vary by manufacturer and insulation type.

HAZARDOUS NYLON GLANDS

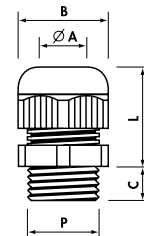
HAZARDOUS PA6.6 GLANDS



- Designed for fixed installations of cables in explosive atmosphere with the presence of gas or combustible dust
- Ex e IIC/Ex tbIIIC safety levels
- Material: Polyamide PA6.6
- Rating: IP65 protection
- Operating Temperature: -20 to 75 Degrees Celsius



II 2GD Ex e IIC / Ex tb IIIC IMQ 10 ATEX 028X



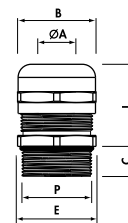
Part No.	P	Fixed Hole Dia.	B Spanner	A Dia Min - Max	C (mm)	L Min - Max	Unit	Qty
C4901M12EX	M12x1.5	12.2	15	3.5-6.5	15	18-22	EA	1
C4901M16EX	M16x1.5	16.2	19	6.5-10	15	22-27	EA	1
C4901M20EX	M20x1.5	20.5	25	9-13	15	24-30	EA	1
C4901M25EX	M25x1.5	25.4	30	11-17	15	30-41	EA	1
C4901M32EX	M32x1.5	32.5	36	16-21	15	33-44	EA	1
C4901M40EX	M40x1.5	40.5	46	21-28	18	36-45	EA	1
C4901M50EX	M50x1.5	50.5	55	27-35	18	43-52	EA	1
C4901M63EX	M63x1.5	64	66	35-42	18	45-55	EA	1

HAZARDOUS METAL GLANDS

HAZARDOUS METAL GLANDS



- Designed for fixed installations of cables in explosive atmosphere with the presence of gas or combustible dust
- Ex e IIC / Ex tbIIC safety levels
- Material: Nickel Plated Brass
- Rating: IP65 protection
- Operating Temperature: -25 to 75 Degrees Celsius



Part No.	P	Fixed Hole Dia.	B Spanner	A Dia Min - Max	C (mm)	L Min - Max	Unit	Qty
C5900M12NEX	M12x1.5	12.2	16	3.5-6.5	6.5	16-20	EA	1
C5900M16NEX	M16x1.5	16.2	20	6.5-10	7	20-25	EA	1
C5900M20NEX	M20x1.5	20.5	24	10-13	8	20-27	EA	1
C5900M25NEX	M25x1.5	25.4	29	11-17	8	24-30	EA	1
C5900M32NEX	M32x1.5	32.5	36	14-21	9	27-34	EA	1
C5900M40NEX	M40x1.5	40.5	45	21-27	9	34-42	EA	1
C5900M50NEX	M50x1.5	50.5	54	26-35	10	35-43	EA	1
C5900M63NEX	M63x1.5	64	67	35-42	15	40-52	EA	1

LOCKNUTS

POLYAMIDE LOCKNUT FOR GN GLAND PG THREAD



- When used in conjunction with European (PG) Nylon Cable Glands the complete assembly meets with IP68 rating
- Commonly used in European produced motors etc.
- PG nylon glands are not supplied with a locknut



Part No.	Description	Unit	Qty
LNN9PG	NYLON LOCKNUT TO SUIT GN9PG	EA	1
LNN11PG	NYLON LOCKNUT TO SUIT GN11PG	EA	1
LNN13.5PG	NYLON LOCKNUT TO SUIT GN13.5PG	EA	1
LNN16PG	NYLON LOCKNUT TO SUIT GN16PG	EA	1
LNN21PG	NYLON LOCKNUT TO SUIT GN21PG	EA	1

BRASS NICKEL PLATED LOCKNUT GU GLAND METRIC THREAD



- When used in conjunction with metric metal unarmoured cable glands the complete assembly meets with IP68 or IP66 rating depending on the gland
- Nickel plated brass for corrosion protection
- As a standard metal glands are not supplied with a locknut



Part No.	Description	Unit	Qty
LNM12	LOCKNUT FOR GU12	EA	1
LNM16	LOCKNUT FOR GU16	EA	1
LNM20	LOCKNUT FOR GU20	EA	1
LNM25	LOCKNUT FOR GU25	EA	1
LNM32	LOCKNUT FOR GU32	EA	1
LNM40	LOCKNUT FOR GU40	EA	1
LNM50	LOCKNUT FOR GU50	EA	1
LNM63	LOCKNUT FOR GU63	EA	1

GLANDS

BRASS NICKEL PLATED LOCKNUT GU GLAND PG THREAD



- Used with Nickel Plated Brass European thread (PG) Gland range. Commonly used in European produced motors etc.
- Nickel plated brass for corrosion protection

Part No.	Description	Unit	Qty
LNM9PG	METAL LOCKNUT TO SUIT GU9PG	EA	1
LNM11PG	METAL LOCKNUT TO SUIT GU11PG	EA	1
LNM13.5PG	METAL LOCKNUT TO SUIT GU13.5PG	EA	1
LNM16PG	METAL LOCKNUT TO SUIT GU16PG	EA	1
LNM21PG	METAL LOCKNUT TO SUIT GU21PG	EA	1

BRASS NICKEL PLATED LOCKNUT EMC GLAND METRIC THREAD



- Has sharp barbs to cut an earthing path into the metal enclosure, through paint or most surface coverings
- When used with Brass EMC Metric Gland assembly meets IP68 rating
- Nickel plated brass for corrosion protection

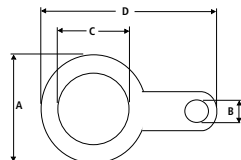
Part No.	Description	Unit	Qty
LNM12EMC	LOCKNUT FOR GU12EMC/L	EA	1
LNM16EMC	LOCKNUT FOR GU16EMC/L	EA	1
LNM20EMC	LOCKNUT FOR GU20EMC/L	EA	1
LNM25EMC	LOCKNUT FOR GU25EMC/L	EA	1
LNM32EMC	LOCKNUT FOR GU32EMC/L	EA	1
LNM40EMC	LOCKNUT FOR GU40EMC/L	EA	1
LNM50EMC	LOCKNUT FOR GU50EMC/L	EA	1
LNM63EMC	LOCKNUT FOR GU63EMC/L	EA	1

BRASS EARTH TAGS

EARTH TAGS BRASS



- Earth tags are used to earth metal glands
- Made of brass to improve contact
- Tag hole used to attach the earth conductor
- Used with metal gland range



Part No.	A (mm)	B (mm)	C (mm)	D (mm)	Thickness (mm)	Unit	Qty
ET16	27	7	16	50	1.2	EA	1
ET20	29	7	20	50	1.2	EA	1
ET25	36	7	26	61	1.2	EA	1
ET32	44	7	32	70	1.2	EA	1
ET40	52	7	40	84	1.2	EA	1
ET50	64	7	51	94	1.4	EA	1
ET63	78	7	64	109	1.4	PAK	2

PVC GLAND SHROUDS

SHROUDS PVC



- Made from a unique stretchy PVC material so they have a large range taking capability
- Orange in colour for easy identification
- Halogen free, low smoke, and flame retardant



Part No.	A Min. Length Diameter (mm)	B Min. Gland Diameter (mm)	C Cable (mm)	Unit	Qty
SH1	70	23	7	EA	1
SH2	65	29	14	EA	1
SH3	75	39	16	EA	1
SH4	85	48	25	EA	1
SH5	95	56	30	EA	1
SH6	110	70	31	EA	1
SH7	125	75	33	EA	1

CABLE TIES AND MOUNTS

Cable Ties - Polyamide 6,6 (PA66) Nylon® Halogen Free

Over decades we have developed our Cable Tie to meet the most demanding range of climate conditions found across Australia and New Zealand, which exhibit extremes of temperature, humidity and UV radiation levels.

One-piece, injection-moulded construction provides maximum strength and adjustability for securing all sizes of bundles. Extra features such as rounded edges and bent-tip design make installation easy, fast, accurate and secure. Installation tools are not required but are suggested where controlled, uniform tension and cut-off applications are desired.

Split mandrel, loop tensile strength tests show that the most vulnerable stress point for a nylon cable tie is its pawl. There is a trade-off between insertion/pull-up ease and strength of a cable tie. The stronger the pawl, the more force is required to insert and pull up the strap as it engages the pawl teeth. Cable ties are designed to optimise insertion ease and still meet or exceed all applicable strength requirements. This magnified cross-section illustrates our full four-tooth locking engagement between strap and pawl under load. This intimate contact between pawl and strap teeth, ensures that the strength of the pawl is fully utilised.

Installations under conditions of full tropical sun and/or very low relative humidity, must be referred to CABAC design engineers for evaluation and recommendations.

Exterior applications should use black (U.V. stabilised) ties.



Technical Data
Conformant Standards
UL; Mil Spec; IEC; VDE; DIN

Refer
Mil-S-23190E - testing

Smoke Emission
Low smoke / Halogen free

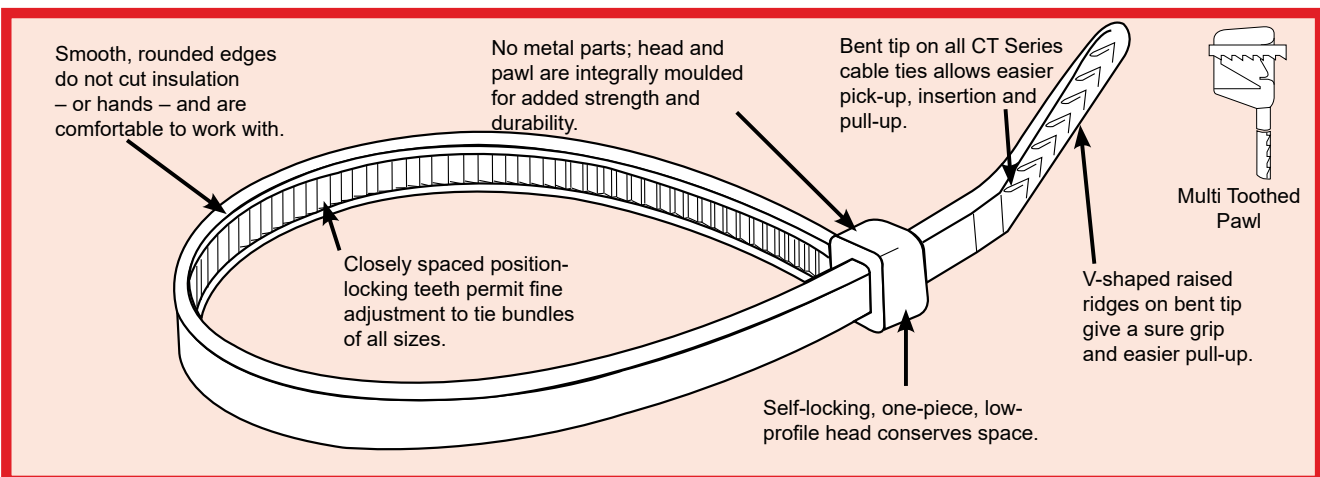
Material
NATURAL - PA 66 with additives
BLACK - PA 66 with UV stabilisers

Electrical data
Breakdown voltage 20 kV/mm
Moisture content 2.5% w.v. @
23%/50%RH

Operating Temperature
-40°C to 85°C

Flammability
Passed - U.L. 94V-2

UV Stability (Black Ties only)
Nylon Polyamide 66 material with 2.5%
Carbon Black for UV Protection.



NYLON CABLE TIES

NYLON LIGHT DUTY NATURAL CABLE TIES



- For light-duty the head/pawl are integrally moulded for added strength and durability. Tip designed for easy pick up, insertion and pull through
- Smooth round edges do not cut insulation
- Self-locking low profile head conserves space
- Not suitable for outdoor use

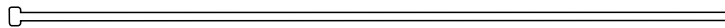


Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT196NT-LD	8	53	200	2.5	1.1	NATURAL	PAK	100

NYLON LIGHT DUTY UV CABLE TIES



- Made from Polyamide 6,6, Halogen Free Cable Tie
- Head/pawl integrally moulded for added strength, bent tip design for easy insertion
- Smooth round edges, safe and will not cut insulation
- UV stabilised for outdoor use

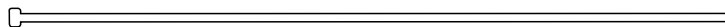


Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT196BK-LD	8	53	200	2.5	1.1	BLACK	PAK	100

NYLON UV CABLE TIES



- Made from Polyamide 6,6, Halogen Free Cable Tie
- Head/pawl integrally moulded for added strength, bent tip design for easy insertion
- Smooth round edges, safe and will not cut insulation
- UV stabilised for outdoor use



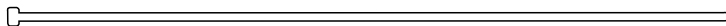
Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT98BK/100	8	22	100	2.5	1.1	BLACK	PAK	100
CT98BK/1000	8	22	100	2.5	1.1	BLACK	PAK	1000
CT140BK/100	18	33	140	3.6	1.2	BLACK	PAK	100
CT140BK/1000	18	33	140	3.6	1.2	BLACK	PAK	1000
CT200BK/100	22	50	200	4.8	1.3	BLACK	PAK	100
CT200BK/1000	22	50	200	4.8	1.3	BLACK	PAK	1000
CT250BK	22	60	250	4.8	1.4	BLACK	PAK	100
CT250BK/1000	22	60	250	4.8	1.4	BLACK	PAK	1000
CT290BK	22	76	300	4.8	1.4	BLACK	PAK	100
CT290BK/1000	22	76	300	4.8	1.4	BLACK	PAK	1000
CT360BK	22	102	370	4.8	1.4	BLACK	PAK	100
CT430BK	22	110	430	4.8	1.4	BLACK	PAK	100

CABLE TIES AND MOUNTS

NYLON NATURAL CABLE TIES



- Head and pawl are integrally moulded for added strength and durability. Tip designed for easier pick up, insertion and pull through
- Smooth round edges do not cut insulation
- Self-locking low profile head conserves space
- Not suitable for outdoor use

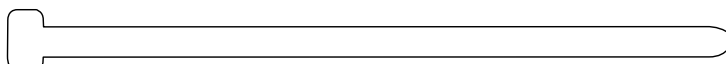


Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT98NT/100	8	22	100	2.5	1.1	NATURAL	PAK	100
CT98NT/1000	8	22	100	2.5	1.1	NATURAL	PAK	1000
CT140NT/100	18	33	140	3.6	1.2	NATURAL	PAK	100
CT140NT/1000	18	33	140	3.6	1.2	NATURAL	PAK	1000
CT200NT/100	22	50	200	4.8	1.3	NATURAL	PAK	100
CT200NT/1000	22	50	200	4.8	1.3	NATURAL	PAK	1000
CT250NT	22	60	250	4.8	1.4	NATURAL	PAK	100
CT250NT/1000	22	60	250	4.8	1.4	NATURAL	PAK	1000
CT290NT	22	76	300	4.8	1.4	NATURAL	PAK	100
CT290NT/1000	22	76	300	4.8	1.4	NATURAL	PAK	1000
CT360NT	22	102	370	4.8	1.4	NATURAL	PAK	100

NYLON HEAVY DUTY UV CABLE TIES



- Made from Polyamide 6,6, Halogen Free Cable Tie
- HEAVY DUTY Head/pawl integrally moulded for added strength, bent tip design for easy insertion
- Smooth round edges, safe and will not cut insulation
- UV stabilised for outdoor use

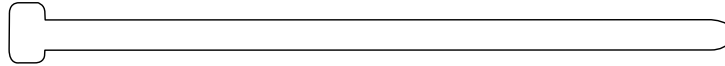


Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT203BK-HD	54	50	200	7.6	2.1	BLACK	PAK	100
CT365BK-HD	54	102	370	7.6	2.1	BLACK	PAK	100
CT540BK-HD	54	140	533	7.6	2.1	BLACK	PAK	25
CT710BK-HD	79	190	710	9	2.1	BLACK	PAK	25
CT1220BK-HD	79	365	1220	9	2.1	BLACK	PAK	25
CT1530BK-HD	79	460	1530	9	2.1	BLACK	PAK	25

NYLON HEAVY DUTY NATURAL CABLE TIES



- Heavy-duty head/pawl integrally moulded for added durability. Tip designed for easy pick up, insertion and pull through
- Smooth round edges do not cut insulation
- Self-locking low profile head conserves space
- Not suitable for outdoor use

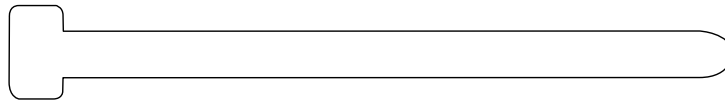


Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT203NT-HD	54	50	200	7.6	2.1	NATURAL	PAK	100
CT365NT-HD	54	102	370	7.6	2.1	NATURAL	PAK	100
CT710NT-HD	79	190	710	9	2.1	NATURAL	PAK	25
CT838NT-HD	79	239	812	9	2.1	NATURAL	PAK	25

NYLON ULTRA HEAVY DUTY UV CABLE TIES



- Made from Polyamide 6,6, Halogen Free Cable Tie
- HEAVY DUTY Head/pawl integrally moulded for added strength, bent tip design for easy insertion
- Smooth round edges, safe and will not cut insulation
- UV stabilised for outdoor use



Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT500BK-UHD	114	120	480	12.6	2.1	BLACK	PAK	25
CT500BK-UHD/100	114	120	480	12.6	2.1	BLACK	PAK	100
CT600BK-UHD	114	152	580	12.6	2.1	BLACK	PAK	25

NYLON RELEASABLE TIES

NYLON RELEASABLE UV TIES



- Made from Polyamide 6,6, Halogen Free, Cable Tie
- Releasable head and pawl are integrally moulded for added strength and durability
- Smooth round edges do not cut insulation
- UV Stabilised for outdoor use

Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CTR140BK	18	33	140	3.6	1.2	BLACK	PAK	100
CTR200BK	22	50	200	4.8	1.3	BLACK	PAK	100
CTR290BK	22	76	300	4.8	1.4	BLACK	PAK	100
CTR365BK-HD	54	102	370	7.6	2.1	BLACK	PAK	100
CTR500NT	114	120	480	12.6	2.1	NATURAL	PAK	25

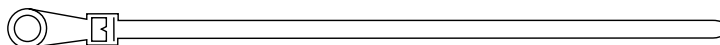
CABLE TIES AND MOUNTS

NYLON MOUNTING HEAD TIES

NYLON MOUNTING HEAD CABLE TIE NATURAL



- Head and pawl are integrally moulded for added strength and durability. Tip designed for easier pick up, insertion and pull through
- Smooth round edges do not cut insulation
- Self-locking low profile head conserves space
- Not suitable for outdoor use



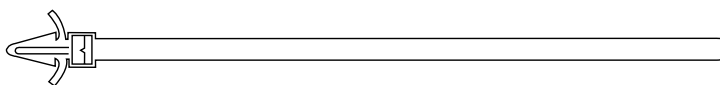
Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT140MH/NT	18	32	150	3.6	1.2	NATURAL	PAK	100
CT200MH/NT	22	50	200	4.8	1.3	NATURAL	PAK	100
CT365MH/NT	54	98	375	7.6	2.1	NATURAL	PAK	100

NYLON PUSH MOUNT TIES

NYLON PUSH MOUNT CABLE TIE NATURAL



- Head and pawl are integrally moulded for added strength and durability. Tip designed for easier pick up, insertion and pull through
- Smooth round edges do not cut insulation
- Self-locking low profile head conserves space
- Not suitable for outdoor use



Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT200PM/NT	22	50	203	4.8	1.4	NATURAL	PAK	100

CABLE TIE MARKING PEN-BK

Unit: EA Qty: 1



Part No. CTMP

- For use on the CABAC range of identification ties
- Colour: Black

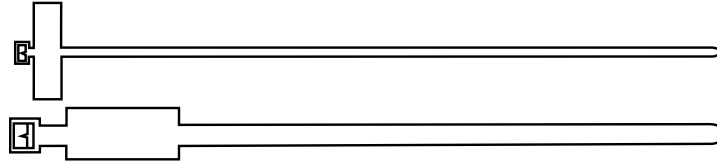


NYLON IDENTIFICATION TIES

NYLON ID TIES



- Head and pawl are integrally moulded for added strength and durability. Tip designed for easier pick up, insertion and pull through
- Smooth round edges do not cut insulation
- Self-locking low profile head conserves space
- Not suitable for outdoor use



Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT98ID/100	8	25	100	2.5	1.1	NATURAL	PAK	100
CT200ID/NT	22	50	200	4.8	1.3	NATURAL	PAK	100

CABLE TIE PACKS

CABLE TIE PACKS

CABLE TIE DISPENSER PACK WITH TIES

Unit: EA Qty: 1

Part No. TIEPAKBK



- This pack is unique in the way that you pick ties out of the centre of the pack, one at a time, and other ties don't come out at the same time
- The pack rolls up and creates a neat transportable pack
- Contains 6 Compartments
- Includes: 50xCT98BK, 50xCT140BK, 50xCT200BK
- 50xCT250BK, 50xCT290BK

CABLE TIES AND MOUNTS

COLOURED CABLE TIES

COLOURED CABLE TIES



- Head and pawl are integrally moulded for added strength and durability. Tip designed for easier pick up, insertion and pull through
- Smooth round edges do not cut insulation
- Self-locking low profile head conserves space
- Not suitable for outdoor use

Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT98BL/100	8	22	100	2.5	1.1	BLUE	PAK	100
CT98GR/100	8	22	100	2.5	1.1	GREEN	PAK	100
CT98OR/100	8	22	100	2.5	1.1	ORANGE	PAK	100
CT98RD/100	8	22	100	2.5	1.1	RED	PAK	100
CT98YL/100	8	22	100	2.5	1.1	YELLOW	PAK	100
CT140BL/100	18	33	140	3.6	1.2	BLUE	PAK	100
CT140GR/100	18	33	140	3.6	1.2	GREEN	PAK	100
CT140OR/100	18	33	140	3.6	1.2	ORANGE	PAK	100
CT140RD/100	18	33	140	3.6	1.2	RED	PAK	100
CT140YL/100	18	33	140	3.6	1.2	YELLOW	PAK	100
CT200BL/100	22	50	200	4.8	1.3	BLUE	PAK	100
CT200GR/100	22	50	200	4.8	1.3	GREEN	PAK	100
CT200OR/100	22	50	200	4.8	1.3	ORANGE	PAK	100
CT200RD/100	22	50	200	4.8	1.3	RED	PAK	100
CT200YL/100	22	50	200	4.8	1.3	YELLOW	PAK	100
CT290BL/100	22	26	300	4.8	1.4	BLUE	PAK	100
CT290GR/100	22	26	300	4.8	1.4	GREEN	PAK	100
CT290OR/100	22	26	300	4.8	1.4	ORANGE	PAK	100
CT290RD/100	22	26	300	4.8	1.4	RED	PAK	100
CT290YL/100	22	26	300	4.8	1.4	YELLOW	PAK	100

NYLON METAL TOOTH CABLE TIES

ELEMATIC BLACK UV TIE



- UV Stabilised cable tie in PA 6.6
- Double metal tooth in 316 stainless steel
- Operating Temperature: -40 to 85 Degrees Celsius
- Tensile strength: 18.36Kg, over 50% higher than single tooth ties
- 100 ties in a resealable bag

Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT100MT-BK-LD	18	21	100	2.5	1	BLACK	PAK	100
CT140MT-BK-LD	25	35	140	3.5	1.15	BLACK	PAK	100
CT290MT-BK-LD	25	80	290	3.5	1.15	BLACK	PAK	100
CT200MT-BK	36	50	200	4.5	1.3	BLACK	PAK	100
CT290MT-BK	36	80	290	4.5	1.3	BLACK	PAK	100
CT360MT-BK	36	101	360	4.5	1.3	BLACK	PAK	100
CT360MT-BK-HD	79	101	360	7.5	1.5	BLACK	PAK	100

ELEMATIC NATURAL TIES



- Natural colour cable tie in PA 6.6
- Double metal tooth in 316 stainless steel
- Operating Temperature: -40 to 85 Degrees Celsius
- Tensile strength: 18.36Kg, over 50% higher than single tooth ties
- 100 ties in a resealable bag

Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT100MT-NT-LD	18	21	100	2.5	1	NATURAL	PAK	100
CT140MT-NT-LD	25	35	140	3.5	1.15	NATURAL	PAK	100
CT290MT-NT-LD	25	80	290	3.5	1.15	NATURAL	PAK	100
CT200MT-NT	36	50	200	4.5	1.3	NATURAL	PAK	100
CT290MT-NT	36	80	290	4.5	1.3	NATURAL	PAK	100
CT360MT-NT	36	101	360	4.5	1.3	NATURAL	PAK	100
CT360MT-NT-HD	79	101	360	7.5	1.5	NATURAL	PAK	100

NYLON DETECTABLE CABLE TIES

ELEMATIC CABLE TIES



- Used in food industry, pharmaceutical and where ever tie contamination may be a risk
- Material easily detectable by metal detectors and x-rays
- Operating Temperature: -40 to 85 Degrees Celsius
- Tensile Strength: 8.16Kg
- 100 ties per bag

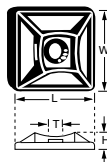
Part No.	Loop Tensile Strength (kg)	Bundle Diameter (mm)	Length (mm)	Width (mm)	Thickness (mm)	Colour	Unit	Qty
CT98DT-100	8	21	98	2.5	1	BLUE	PAK	100
CT200DT-100	22	50	200	4.8	1.4	BLUE	PAK	100
CT360DT-100	22	100	360	4.5	1.4	BLUE	PAK	100
CT360DT-HD	55	100	365	7.5	1.8	BLUE	PAK	100

STICK ON MOUNTS

ADHESIVE MOUNTS BLACK UV



- A low profile and 4 way base that will stick onto virtually any surface
- Choice between indoor and outdoor mount
- UV stabilised and can be used outdoors
- Made from Polyamide 6,6



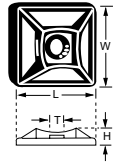
Part No.	Base Dim (L&W) (mm)	Height (H) (mm)	Maximum Tie Width (mm)	Unit	Qty
SAM12.7BK	12.7 x 12.7	3.2	2.8	PAK	100
SAM12.7BK/K	12.7 x 12.7	3.2	2.8	EA	1
SAM19BK	19.0 x 19.0	4	3.6	PAK	100
SAM19BK/K	19.0 x 19.0	4	3.6	KIT	1
SAM25BK	27.7 x 27.7	5.7	5.3	PAK	100
SAM25BK/K	27.7 x 27.7	5.7	5.3	KIT	1

CABLE TIES AND MOUNTS

ADHESIVE MOUNTS NATURAL INDOOR USE



- A low profile and 4 way base that will stick onto virtually any surface
- Choice between indoor and outdoor mount
- Made from Polyamide 6,6
- For indoor use only



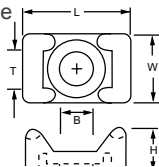
Part No.	Base Dim (L&W) (mm)	Height (H) (mm)	Maximum Tie Width (mm)	Unit	Qty
SAM12.7NT	12.7 x 12.7	3.2	2.8	PAK	100
SAM12.7NT/K	12.7 x 12.7	3.2	2.8	EA	1
SAM19NT	19.0 x 19.0	4	3.6	PAK	100
SAM19NT/K	19.0 x 19.0	4	3.6	KIT	1
SAM25NT	27.7 x 27.7	5.7	5.3	PAK	100
SAM25NT/K	27.7 x 27.7	5.7	5.3	KIT	1

SCREW MOUNTS

NYLON MOUNTS UV



- Designed to provide a fastener fixed cable tie mount
- Two way entry and deep cradle design
- Sizes accommodate standard and heavy-duty ties
- Made from Polyamide 6,6
- UV Stabilised for outdoor use

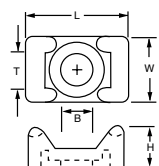


Part No.	H (mm)	L (mm)	W (mm)	T (mm)	B (mm)	Unit	Qty
CTB5BK	7	15	10	5	3	PAK	100
CTB9BK	9	23	16	9	6	PAK	100

NYLON MOUNT NATURAL INDOOR USE



- Designed to provide a fastener fixed cable tie mount
- Two way entry and deep cradle design
- Sizes accommodate standard and heavy-duty ties
- Made from Polyamide 6,6
- For indoor use only



Part No.	H (mm)	L (mm)	W (mm)	T (mm)	B (mm)	Unit	Qty
CTB5NT	7	15	10	5	3	PAK	100
CTB9NT	9	23	16	9	6	PAK	100

CABLE TIE ANCHORS

NYLON ANCHOR UV



- A quick and simple way to create an anchor point in just about any material e.g. concrete, brick and wood
- Christmas tree design - deforms outwards when driven into a hole
- Made from Polyamide 6,6
- UV stabilised and can be used outdoors

Part No.	Hole Maximum Dia. (mm)	Mount Dia. (mm)	Drill Hole Dia. (mm)	Depth (mm)	Unit	Qty
CH5	5	2.4 x 6	5	30	PAK	100
CH8	9	3.0 x 10	8.5-9	40	PAK	50
CH9	9, 8 STAND OFF	3.0 x 10	8.5-9	40	PAK	50
LOX01B	6	2.4 x 10	6	30	PAK	100

NYLON ANCHOR PUSH MOUNT NATURAL



- Installed by snapping easily into a standard 6.4mm hole
- Centering ears and locking barb design hold securely
- Secures standard and light-duty ties
- Made from Polyamide 6,6

Part No.	Base Dimensions (mm)	Height (mm)	Max Tie Width (mm)	Panel Hole (mm)	Unit	Qty
CTPM1/NT	7.9 x 14	17	4.8	6.3	PAK	100

PRO CABLE TIES

PRO HOOK AND LOOP TAPE BLACK



- Hook and loop tape to bundle UTP cable or bind to cable support
- Supplied in reels - cut to length onsite
- Reusable - use as many times as you like
- Available in various widths and lengths

Part No.	Description	Unit	Qty
VT10BK/5M	PRO CABLE TIE - ROLL 10MM X 5M - BLACK	EA	1
VT10BK/10M	PRO CABLE TIE - ROLL 10MM X 10M - BLACK	EA	1
VT12BK/50M	PRO CABLE TIE 12MM 2 X 25M ROLL BLACK	EA	1
VT15BK/5M	PRO CABLE TIE - ROLL 15MM X 5M - BLACK	EA	1
VT15BK/10M	PRO CABLE TIE - ROLL 15MM X 10M - BLACK	EA	1
VT19BK/25M	PRO CABLE TIE 19MM X 25M ROLL BLACK	EA	1
VT25BK-25M	PRO CABLE TIE 25MM X 25M ROLL BLACK	EA	1

PRO HOOK AND LOOP TAPE BLUE



- Hook and loop tape to bundle UTP cable or bind to cable support
- Supplied in reels - cut to length onsite
- Reusable - use as many times as you like
- Available in various widths and lengths

Part No.	Description	Unit	Qty
VT10BL/5M	PRO CABLE TIE - ROLL 10MM X 5M - BLUE	EA	1
VT10BL/10M	PRO CABLE TIE - ROLL 10MM X 10M - BLUE	EA	1
VT15BL/5M	PRO CABLE TIE - ROLL 15MM X 5M - BLUE	EA	1
VT15BL/10M	PRO CABLE TIE - ROLL 15MM X 10M - BLUE	EA	1

CABLE TIES AND MOUNTS

PRO HOOK AND LOOP TIES



- Pre-cut cable ties for easy installation
- Fully adjustable and reusable
- Ideal for bundling cables behind desk
- Colour: Blue

Part No.	Description	Unit	Qty
VTIEBL2-X	PRO CABLE TIE 13*200MM BLUE 10PK	EA	1
VTIEBL3-X	PRO CABLE TIE 20*300MM BLUE 10PK	EA	1

20 YEARS (LIMITED) WARRANTY*

Premium range stainless steel cables ties are the only ties in the industry that are covered by 20 years (limited) warranty.*

CABAC's Stainless Steel Cable Ties are a quick, effective way of securing cables that are in a hostile environment.

They have a unique ball bearing locking mechanism that allows the tie to be quickly and easily installed, but not undone.

They install much quicker than traditional strapping systems.

The heavy duty ties have an off-set tip to speed insertion of the tie.

The ties are made from 316 non-magnetic stainless steel.

*See CABAC website for full terms and conditions on warranty terms.



STAINLESS STEEL TIES

STAINLESS STEEL PREMIUM TIES



- Resistant to hostile environments including chemicals
- Standard width and heavy-duty width available
- Improved fastening system and quick installation
- 20 years limited warranty



Part No.	Max Bundle Dia. (mm)	Approx. Length (mm)	Approx. Width (mm)	Min Loop Tensile Strength (kg)	Thickness (mm)	Unit	Qty
SST200/316	50	201	4.6	44	0.25	BOX	100
SST360/316	102	360	4.6	44	0.25	BOX	100
SST520/316	152	520	4.6	44	0.25	BOX	100
SST680/316	203	680	4.6	44	0.25	BOX	100

STAINLESS STEEL PREMIUM HEAVY DUTY TIES



- Resistant to hostile environments including chemicals
- Standard width and heavy-duty width available
- Improved fastening system and quick installation
- 20 years limited warranty



Part No.	Max Bundle Dia. (mm)	Approx. Length (mm)	Approx. Width (mm)	Min Loop Tensile Strength (kg)	Thickness (mm)	Unit	Qty
SST200-HD/316	50	201	7.9	113	0.25	BOX	50
SST360-HD/316	102	360	7.9	113	0.25	BOX	50
SST520-HD/316	152	520	7.9	113	0.25	BOX	50
SST680-HD/316	203	680	7.9	113	0.25	BOX	50
SST838-HD/316	254	838	7.9	113	0.25	BOX	50
SST1000-HD/316	298	1000	7.9	113	0.25	BOX	50
SST1500-HD/316	450	1500	7.9	113	0.25	BOX	50

STAINLESS STEEL STANDARD TIES



- Self-locking head design speeds installation and locks into place at any length along the body
- Provides a strong, durable method of cable bundling
- No water absorption
- Non-flammable
- SS316 material for most corrosive environments



Part No.	Max Bundle Dia. (mm)	Approx. Length (mm)	Approx. Width (mm)	Min Loop Tensile Strength (kg)	Thickness (mm)	Unit	Qty
SST200-316S	51	200	4.6	90	0.25	BOX	100
SST360-316S	102	360	4.6	90	0.25	BOX	100
SST520-316S	152	520	4.6	90	0.25	BOX	100
SST680-316S	203	680	4.6	90	0.25	BOX	100

STAINLESS STEEL STANDARD HEAVY DUTY TIES



- Self-locking head design speeds installation and locks into place at any length along the body
- Provides a strong, durable method of cable bundling
- No water absorption
- Non-flammable
- SS316 material for most corrosive environments



Part No.	Max Bundle Dia. (mm)	Approx. Length (mm)	Approx. Width (mm)	Min Loop Tensile Strength (kg)	Thickness (mm)	Unit	Qty
SST200-HD-316S	51	200	7.9	150	0.25	BOX	50
SST360-HD-316S	102	360	7.9	150	0.25	BOX	50
SST520-HD-316S	152	520	7.9	150	0.25	BOX	50
SST680-HD-316S	203	680	7.9	150	0.25	BOX	50
SST838-HD-316S	254	840	7.9	150	0.25	BOX	50
SST1000-HD-316S	300	1000	7.9	150	0.25	BOX	50
SST1500-HD-316S	465	1500	7.9	150	0.25	BOX	50

CABLE TIES AND MOUNTS

STAINLESS STEEL TIE



- Designed for high temperature applications in severe environmental conditions
- Material: Stainless Steel 316SS
- Use our tensioning tools SSTDT or SSTTT2

Part No.	Description	Unit	Qty
M201490	TIE STAINLESS STEEL 316 200 X 4.8MM	PAK	100
M201505	TIE STAINLESS STEEL 316 H/DUTY 200 X 7MM	PAK	50

STAINLESS STEEL PREMIUM COATED TIES



- 316 Stainless steel and buckle cable ties with a epoxy coating providing smooth surface and rounded edges for operator safety
- Halogen free Epoxy resin coat - durable, long lasting, for use in highly corrosive environments
- Certified to standard
- 20 year warranty



Part No.	Max Bundle Dia. (mm)	Approx. Length (mm)	Approx. Width (mm)	Min Loop Tensile Strength (kg)	Thickness (mm)	Unit	Qty
STFC200-316	50	201	4.6	45.4	0.25	BOX	100
STFC360-316	102	360	4.6	45.4	0.25	BOX	100

STAINLESS STEEL PREMIUM COATED H/DUTY TIES



- 316 Stainless steel and buckle cable ties with a epoxy coating providing smooth surface and rounded edges for operator safety
- Halogen free Epoxy resin coat - durable, long lasting, for use in highly corrosive environments
- Certified to standard
- 20 year warranty



Part No.	Max Bundle Dia. (mm)	Approx. Length (mm)	Approx. Width (mm)	Min Loop Tensile Strength (kg)	Thickness (mm)	Unit	Qty
STFC200-HD-316	50	201	7.9	113.4	0.25	BOX	50
STFC360-HD-316	102	360	7.9	113.4	0.25	BOX	50

STAINLESS STEEL STANDARD COATED TIES



- Polyester resin coated 316 stainless steel cable ties
- Very good tensile strength, durable method of cable bundling
- Rounded edges ensure cable protection and worker safety
- UV resistant, low smoke, halogen-free material, tested to standard

Part No.	Max Bundle Dia. (mm)	Approx. Length (mm)	Approx. Width (mm)	Min Loop Tensile Strength (kg)	Thickness (mm)	Unit	Qty
STFC200-316S	51	200	4.6	90	0.38	BOX	100
STFC360-316S	102	360	4.6	90	0.38	BOX	100

STAINLESS STEEL STANDARD COATED H/DUTY TIES



- Polyester resin coated 316 stainless steel cable ties
- Very good tensile strength, durable method of cable bundling
- Rounded edges ensure cable protection and worker safety
- UV resistant, low smoke, halogen-free material, tested to standard

Part No.	Max Bundle Dia. (mm)	Approx. Length (mm)	Approx. Width (mm)	Min Loop Tensile Strength (kg)	Thickness (mm)	Unit	Qty
STFC200-HD-316S	51	200	7.9	150	0.38	BOX	50
STFC360-HD-316S	102	360	7.9	150	0.38	BOX	50
STFC520-HD-316S	152	520	7.9	150	0.38	BOX	50
STFC680-HD-316S	203	680	7.9	150	0.38	BOX	50

STAINLESS STEEL PVC COATED TIES

S/STEEL TIE PVC COVER 30M ROLL 1.2MM

Unit: ROL Qty: 1



Part No. SSCHD

- PVC protective cable tie cover providing smooth surface and rounded edges for operator safety
- Available in 30m reels
- PVC coating protects cable from sharp cable tie edges

CABLE MANAGEMENT AND FIXINGS

Braided Sleeving

CABAC's Braided Sleeving is an expandable flexible harness, manufactured from monofilament polyester. It's main characteristic consists in the construction of the braiding which allows the product to increase its interior diameter considerably and at the same time contracting in length.

Wire harnessing is made easy due to the expandability and ease of insertion of different diameters within the same sleeving. Wires can also be poked through the sleeving at any point, to do harness breakouts.

- Mechanical and thermal protection of conductors
- Expandable
- Heat resistant
- Self extinguishing
- Resistant to aggressive agents
- Easy to install

The sleeving is available on reels and in handy kit packs, and is coloured black.

The quality control specification for a standard reel ensures that there should not be more than one joint per spool.



Technical Data

Conformant Standards	IEC684-349, UL 224
Material	Polyester
Operating Temperature	-50°C to 150°C
Expansion Ratio	1:2
Monofilament Diameter	0.22mm
Flammability	Self extinguishing
Chemical Resistance	Resistant to most aggressive chemicals

BRAIDED SLEEVING

BRAIDED SLEEVE POLYESTER



- Unique braiding design allows product to increase interior diameter considerably at the same time contracting in length
- Flexible harness manufactured from monofilament polyester
- Expandable, heat resistant and self-extinguishing
- Available on reels and in handy kit packs



Part No.	Description	Nominal ID (mm)	ID Minimum (mm)	ID Maximum (mm)	Unit	Qty
EPBS4	EXP.POLYESTER BRAID SLEEVE 3-7MM 100M	4	3	7	ROL	1
EPBS6	EXP.POLYESTER BRAID SLEEVE 5-10MM 100M	6	5	10	ROL	1
EPBS10	EXP.POLYESTER BRAID SLEEVE 8-16MM 100M	10	8	16	ROL	1
EPBS15	EXP.POLYESTER BRAID SLEEVE 12-22MM 100M	15	12	22	ROL	1
EPBS20	EXP.POLYESTER BRAID SLEEVE 15-27MM 100M	20	15	27	ROL	1
EPBS25	EXP.POLYESTER BRAID SLEEVE 20-35MM 100M	25	20	35	ROL	1
EPBS30	EXP.POLYESTER BRAID SLEEVE 25-45MM 100M	30	25	45	ROL	1
EPBS40	EXP.POLYESTER BRAID SLEEVE 35-60MM 50M	40	35	60	ROL	1
EPBS50	EXP.POLYESTER BRAID SLEEVE 45-73MM 50M	50	45	73	ROL	1
EPBS4/K	KIT OF 10M EPBS4	4	3	7	KIT	1
EPBS6/K	KIT OF 8M EPBS6	6	5	10	KIT	1
EPBS10/K	KIT OF 5M EPBS10	10	8	16	KIT	1
EPBS15/K	KIT OF 4M EPBS15	15	12	22	KIT	1
EPBS20/K	KIT OF 4M EPBS20	20	15	27	KIT	1
EPBS25/K	KIT OF 3M EPBS25	25	20	35	KIT	1
EPBS30/K	KIT OF 3M EPBS30	30	25	45	KIT	1

Stainless Steel Strapping System (Cabstrap)

CABAC's Stainless Steel Strapping System is a quick and effective way of securing or clamping items.

Typical uses are securing cables to poles, signs to poles, switch boards, pipes etc.

- The strap has a high clamping force, which attaches things very securely, giving long term stability
- The strap is made from 304 series stainless steel, which can withstand extreme acidity, alkalinity and highly corrosive environments. As such it can be used in chemical, food, hospital, dairies and power generation
- The strap is hard to cut or undo which means items are securely fastened
- Stainless 304 is non-magnetic
- Standard reels are 30m

Installation of CABSTRAP is simple using the CABSTRAPTOOL, which will tension the strap and cut it off, giving a clean finish.



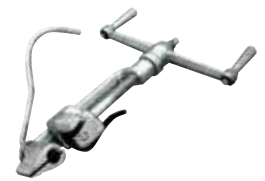
Technical Data

Material	Stainless Steel 304 grade
Yield strength	205 MPa
Operating temp	-80°C to +500°C
Loop tensile strength	Heavy duty range 110kg
Resistance to Chemicals	
High resistance to: Petrol, Benzene, Alcohol, Acetone, Sodium hydroxide, Sodium phosphate, Formic acid, Acetic acid, Sulphuric acid/dilute, Marine.	
In general very resistant to most hostile environments.	



CABSTRAPTOOL2

Stainless steel strapping system is a quick and effective way of securing or clamping strap.



CABSTRAPTOOL

Heavy duty tensing and cutting tool for the stainless steel straps 9.5 to 19.0mm wide.

CABSTRAP

STAINLESS STEEL STRAP



- Resistant to extreme acidity, alkalinity and highly corrosive environments use to secure cables to poles, signs to poles, switch boards etc.
- High clamping force - long term stability
- Made from 304SS - suitable for highly corrosive environments
- Securely fastened - straps hard to cut or undo



Part No.	Description	Unit	Qty
CABSTRAP9.5	CABAC 9.5MM S/STEEL 304SS STRAP 30M	EA	1
CABSTRAP12.7	CABAC 12.7MM S/STEEL 304SS STRAP 30M	EA	1
CABSTRAP15.8	CABAC 15.8MM S/STEEL 304SS STRAP 30M	EA	1
CABSTRAP19.0	CABAC 19.0MM S/STEEL 304SS STRAP 30M	EA	1

STAINLESS STEEL BUCKLE



- Resistant to extreme acidity, alkalinity and highly corrosive environments use to secure cables to poles, signs to poles, switch boards etc.
- High clamping force - long term stability
- Used in food, hospital, dairies and power generation areas
- Securely fastened - straps hard to cut or undo



Part No.	Description	Unit	Qty
CABBUCKLE9.5	CABAC 9.5MM S/STEEL 304SS BUCKLE 100 PK	EA	1
CABBUCKLE12.7	CABAC 12.7MM S/STEEL 304SS BUCKLE 100 PK	EA	1
CABBUCKLE15.8	CABAC 15.8MM S/STEEL 304SS BUCKLE 100PK	EA	1
CABBUCKLE19.0	CABAC 19.0MM S/STEEL 304SS BUCKLE 100 PK	EA	1

CABLE MANAGEMENT AND FIXINGS

STAINLESS STEEL STRAP TOOL

CABAC STAINLESS STEEL STRAP TOOL

Unit: EA Qty: 1



Part No. CABSTRAPTOOL

- Heavy-duty tensioning and cutting tool
- Use with S/Steel straps 9.5-19mm

STAINLESS STEEL STRAP TOOL (CH-240)

Unit: EA Qty: 1



Part No. CABSTRAPTOOL2

- Installation of S/Steel CABSTRAP is simple using the CABSTRAPTOOL, which will tension the strap and cut it off, giving a clean finish
- Use with our CABSTRAP range of S/Steel Ties

SPIRAL BINDING

SPIRAL BINDING BLACK



- Designed to wrap around bundles of wires to make neat looms and to protect the conductors
- Choice between indoor and outdoor binding
- Outdoor binding is UV stabilized (2% carbon black)
- Supplied in easy use cardboard dispenser boxes

Part No.	Description	ID Minimum (mm)	ID Maximum (mm)	Unit	Qty
SB3BK	SPIRAL BINDING 3MM BLACK (100M)	9	5	BOX	1
SBK3BK	SPIRAL BINDING KIT 3MM BLACK (10M)	3	9	KIT	1
SB6BK	SPIRAL BINDING 6MM BLACK (50M)	5	12	BOX	1
SBK6BK	SPIRAL BINDING KIT 6MM BLACK (10M)	5	12	KIT	1
SB6BK-400	SPIRAL BINDING 6MM BLACK (400M)	5	12	ROL	400
SB12BK	SPIRAL BINDING 12MM BLACK (25M)	12	20	BOX	1
SBK12BK	SPIRAL BINDING KIT 12MM BLACK (5M)	12	20	KIT	1
SB12BK-150	SPIRAL BINDING 12MM BLACK (150M)	12	20	ROL	150
SB16BK	SPIRAL BINDING 16MM BLACK (20M)	16	35	BOX	1
SBK16BK	SPIRAL BINDING KIT 16MM BLACK (3M)	16	35	KIT	1
SBK20BK	SPIRAL BINDING KIT 20MM BLACK (2M)	20	100	KIT	1
SB20BK	SPIRAL BINDING 20MM BLACK (15M)	20	100	BOX	1

CABLE MANAGEMENT AND FIXINGS

SPIRAL BINDING NATURAL



- Designed to wrap around bundles of wires to make neat looms and to protect the conductors
- Choice between indoor and outdoor binding
- Outdoor binding is UV resistant
- Supplied in easy use cardboard dispenser boxes

Part No.	Description	ID Minimum (mm)	ID Maximum (mm)	Unit	Qty
SB3NT	SPIRAL BINDING 3MM NATURAL (100M)	3	9	BOX	1
SBK6NT	SPIRAL BINDING KIT 6MM NATURAL (10M)	5	12	KIT	1
SB6NT	SPIRAL BINDING 6MM NATURAL (50M)	5	12	BOX	1
SBK12NT	SPIRAL BINDING KIT 12MM NATURAL (5M)	12	20	KIT	1
SB12NT	SPIRAL BINDING 12MM NATURAL (25M)	12	20	BOX	1
SB12NT-150	SPIRAL BINDING 12MM NATURAL (150M)	12	20	ROL	150
SBK16NT	SPIRAL BINDING KIT 16MM NATURAL (3M)	16	35	KIT	1
SB16NT	SPIRAL BINDING 16MM NATURAL (20M)	16	35	BOX	1
SBK20NT	SPIRAL BINDING KIT 20MM NATURAL (2M)	20	100	KIT	1
SB20NT	SPIRAL BINDING 20MM NATURAL (15M)	20	100	BOX	1
SBK3NT	SPIRAL BINDING KIT 3MM NATURAL (10M)	3	9	KIT	1
SB6NT-400	SPIRAL BINDING 6MM NATURAL (400M REEL)	5	12	M	1

LOOM TUBE

LOOM TUBE



- A Simple way to create looms from loose wires by making a harness
- Crush proof and flame retardant
- UV stabilised and resistant to chemicals
- Quick installation time

Part No.	Inner Dia of Tube (mm)	Outer Dia of Tube (mm)	Wall Thickness (mm)	Unit	Qty
LT7	7.2	10.2	0.25	ROL	1
LT7/400	7.2	10.2	0.25	ROL	1
LT10	10.5	14	0.25	ROL	1
LT10/250	10.5	14	0.25	ROL	1
LT13	13	17.5	0.3	ROL	1
LT13/150	13	17.5	0.3	ROL	1
LT16	16	20	0.3	ROL	1
LT16/100	16	20	0.3	ROL	1
LT20	20	25	0.3	ROL	1
LT20/100	20	25	0.3	ROL	1
LT25	27	34.5	0.35	ROL	1
LT25/50	27	34.5	0.35	ROL	1
LT36	36	41	0.35	ROL	1
LT48	48	53.5	0.35	ROL	1

CABLE MANAGEMENT AND FIXINGS

EASY WRAP BINDING

EASY WRAP BINDING



- A unique solution to a messy problem - Easy Wrap zips along cables, creating a quick and easy bundling solution
- Easier to apply than traditional solutions like loom tube
- Wraps around cables for a secure closure
- Adjustable and reusable



Part No.	Description	Unit	Qty
EW16BK/K	EASY WRAP 16MM BLACK 1.5M & CLIPPER KIT	KIT	1
EW20BK/K	EASY WRAP 20MM BLACK 1.5M & CLIPPER KIT	KIT	1
EW20BK	EASY WRAP 20MM BLACK 20M	BOX	20

FIBREGLASS SLEEVING

FIBREGLASS SLEEVING



- Fibreglass sleeving with a silicon rubber finish - flexible, flame retardant, water repellent and recommended for high temperature applications
- Apply over metallic wires for electrical/mechanical protection
- Tight weave ensures that sleeve maintains round shape
- Used to insulate high temperature components



Part No.	Description	Unit	Qty
GS1.5	FIBRE GLASS SLEEVING 1.5MM	4FT	1
GS1.5R	FIBRE GLASS SLEEVING 1.5MM 100M REEL	ROL	100
GS2.5	FIBRE GLASS SLEEVING 2.5MM	4FT	1
GS2.5R	FIBRE GLASS SLEEVING 2.5MM 100M REEL	ROL	100
GS3.5	FIBRE GLASS SLEEVING 3.5MM	4FT	1
GS3.5R	FIBRE GLASS SLEEVING 3.5MM 100M REEL	ROL	100
GS5	FIBRE GLASS SLEEVING 5MM	4FT	1
GS5R	FIBRE GLASS SLEEVING 5MM 100M REEL	ROL	100
GS7	FIBRE GLASS SLEEVING 7MM	4FT	1
GS7R	FIBRE GLASS SLEEVING 7MM 100M REEL	ROL	100
GS10	FIBRE GLASS SLEEVING 10MM	4FT	1
GS10R	FIBRE GLASS SLEEVING 10MM 100M REEL	ROL	100
GS12	FIBRE GLASS SLEEVING 12MM	4FT	1
GS12R	FIBRE GLASS SLEEVING 12.0MM 100M REEL	ROL	100

STRAIN RELIEF BUSHINGS

STRAIN RELIEF BUSHINGS



- Used to connect power to equipment, light fittings and lamps



Part No.	Cable OD (mm)	Panel Hole (mm)	(A) Flat Dia. (mm)	(B) Max. Thickness	(F) Length (mm)	Unit	Qty
SRB5P-4	6.4-7.4	12.7-13.1	11.5	2.5	11	PAK	25
SRB6N-4	7.6	15.9	14	1.6	14.8	PAK	25

STRAIN RELIEF BUSHING TOOL

STRAIN RELIEF BUSHING TOOL

Unit: EA Qty: 1



Part No. SRBTOOL

- Used to insert our range of Strain Relief Bushings into a panel hole
- Use with our SRB strain relief bush range



GROMMETS

FLEXIBLE GROMMETS



- Protects cables against sharp edges and abrasion on panel holes
- Supplied in 2m rolls and can be cut to length
- Snaps into place
- Fits circular or irregular shapes

Part No.	Dimensions (mm)	Panel Depth Support (mm)	Unit	Qty
FG1	1	Under 1.0	ROL	1
FG1.6	1.6	1.0-1.6	ROL	1
FG2.4	2.4	1.6-2.4	ROL	1
FG3.2	3.2	2.4-3.2	ROL	1
FG4.5	4.5	3.2-4.5	ROL	1

FIXINGS

CONDUIT SADDLE FULL



- Galvanised and reinforced for strength
- 5.5mm hole fixing

Part No.	Description	Unit	Qty
M050012	CONDUIT FULL SADDLE ST ZINC GAL PL 12MM	BOX	100
M050016	CONDUIT FULL SADDLE ST ZINC GAL PL 16MM	BOX	100
M050020	CONDUIT FULL SADDLE ST ZINC GAL PL 20MM	BOX	100
M050025	CONDUIT FULL SADDLE ST ZINC GAL PL 25MM	BOX	100
M050032	CONDUIT FULL SADDLE ST ZINC GAL PL 32MM	BOX	50
M050040	CONDUIT FULL SADDLE ST ZINC GAL PL 40MM	PAK	50
M050050	CONDUIT FULL SADDLE ST ZINC GAL PL 50MM	BOX	20

CONDUIT SADDLE HALF



- Manufactured from high grade steel
- Plated Zinc galvanised to 5um

Part No.	Description	Unit	Qty
M051016	CONDUIT HALF SADDLE ST ZINC GAL PL 16MM	PAK	100
M051020	CONDUIT HALF SADDLE ST ZINC GAL PL 20MM	BOX	100
M051025	CONDUIT HALF SADDLE ST ZINC GAL PL 25MM	BOX	100
M051032	CONDUIT HALF SADDLE ST ZINC GAL PL 32MM	BOX	50
M051040	CONDUIT HALF SADDLE ST ZINC GAL PL 40MM	BOX	50
M051050	CONDUIT HALF SADDLE ST ZINC GAL PL 50MM	BOX	20

SPRING TOGGLE

SPRING TOGGLE CUP HOOK 3/16 X 3

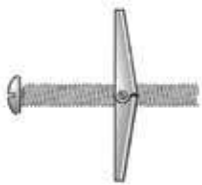
Unit: BOX Qty: 100



- Part No. M010489**
- Suitable for plasterboard
 - Cup hook spring toggle
 - Available in drill diameters of 13mm

CABLE MANAGEMENT AND FIXINGS

SPRING TOGGLE ROUND HEAD 3/16 X 4



- Suitable for plasterboard
- Round head
- Available in drill diameters of 10mm and 13mm

Part No.	Description	Unit	Qty
M010486	SPRING TOGGLE ROUND HEAD 3/16 X 4	BOX	50
M010485	SPRING TOGGLE ROUND HEAD 3/16X3	BOX	50
M010484	SPRING TOGGLE ROUND HEAD 3/16X2	BOX	50
M010482	SPRING TOGGLE ROUND HEAD 1/8X2	BOX	50
M014484	SPRING TOGGLE ROUND HEAD 3 1/16 X 2	PAK	25

POLY TOGGLE

POLY TOGGLE MEDIUM 13-16MM

Unit: BOX Qty: 100



Part No. M010493

- Suitable for plasterboard
- Medium 13-16mm
- Drill diameter 8mm

POLY TOGGLE (50 PK)

Unit: PAK Qty: 50



Part No. M011589

- For fixing of curtain tracks, cupboard hooks, notice boards, pictures
- Light duty fixings

MECHANICAL ANCHORS

ANCHORS WALLBOARD

LEGS WALLBOARD ANCHOR

Unit: BOX Qty: 100



Part No. M010501

- 3.5 - 4mm thickness
- 10mm wall suitable
- Power Part No. LEGS

HOLLOW WALL ANCHOR TOOL- LOW REP

Unit: EA Qty: 1



Part No. HWAST-100

- Hollow wall anchor light-duty tool
- Low repetition
- Easy to use

HOLLOW SET DROP-IN M10

Unit: BOX Qty: 100



Part No. M010152

- For anchoring in hollow base materials e.g. hollow concrete block, brick with holes and hollow core pre-cast concrete panel
- May also be used in solid base materials
- Carbon steel cone

CABLE MANAGEMENT AND FIXINGS

HOLLOW WALL ANCHOR 3/16

Unit: PAK Qty: 25



Part No. M011588

- Light duty, cavity fixing
- for plasterboard and other hollow wall material



ANCHORS HOLLOW WALL



- Suitable for plasterboard
- Zinc clear
- Available in drill diameters of 8mm 10mm and 11mm



Part No.	Description	Unit	Qty
M010472	HOLLOW WALL ANC 1/8 DIA. (W4-5MM)	BOX	100
M010473	HOLLOW WALL ANC 1/8 DIA. (W10-12MM)	BOX	100
M010474	HOLLOW WALL ANC 1/8 DIA. W1 DRIVE	BOX	100
M010475	HOLLOW WALL ANC 1/8 DIA. (W3-16MM)	BOX	100
M010476	HOLLOW WALL ANC 1/8 DIA. (W16-24MM)	BOX	100
M010477	HOLLOW WALL ANC 1/8 DIA. (W32-36MM)	PAK	50
M010478	HOLLOW WALL ANC 3/6 DIA. (W10-16MM)	BOX	50
M010479	HOLLOW WALL ANC 1/4 DIA. (W10-12MM)	BOX	50

ANCHORS METAL PIN



- Suitable for concrete, solid brick, solid block, and grout filled block
- Metal pin anchor
- Available in drill diameters of 5mm and 6.5mm



Part No.	Description	Unit	Qty
M010461	METAL PIN ANCHOR 5X22MM	BOX	100
M010463	METAL PIN ANCHOR 6.5X25MM	BOX	100

NAIL-IN ANCHOR ROUND HEAD S/STEEL 5X25

Unit: BOX Qty: 100



Part No. M010435

- Suitable for concrete, solid brick, solid block, and grout filled block
- Round head and mushroom head
- 304 Grade Stainless Steel pin



ROUND HEAD METAL THREAD 5 / 32

Unit: PAK Qty: 100

Part No. M011623

- Round Head Metal Thread
- Size: 5/32 x 1



CABLE MANAGEMENT AND FIXINGS

ANCHORS NAIL-IN ROUND THREAD



- Suitable for concrete, solid brick, solid block, and grout filled block
- Round head
- Material: Nylon



Part No.	Description	Unit	Qty
M010425	NAIL-IN ANCHOR ROUND HEAD 5X25MM	BOX	100
M010426	NAIL-IN ANCHOR ROUND HEAD 5X40MM	BOX	100
M010427	NAIL-IN ANCHOR ROUND HEAD 6.5X25MM	BOX	100
M010428	NAIL-IN ANCHOR ROUND HEAD 6.5X38MM	BOX	100
M014427	NAIL-IN ANCHOR ROUND HEAD 6.5X25MM	PAK	80
M014428	NAIL-IN ANCHOR ROUND HEAD 6.5X40MM	PAK	60

ANCHORS SLEEVE BOLT

SLEEVE ANCHOR TIE WIRE BOLT 6.0 X 60MM

Unit: BOX Qty: 100



Part No. M010089

- Powers Part No. TW6560T
- Tie Wire 6 x 60mm
- Carbon Steel Yellow Passivated



SLEEVE ANCHOR HOOK BOLT 8.0 X 45MM

Unit: BOX Qty: 100



Part No. M010088

- Carbon Steel Yellow Passivated
- Powers Sleeve Anchor Bolt



SLEEVE ANCHOR EYE BOLT 8 X 45MM

Unit: BOX Qty: 100



Part No. M010087

- Economical, traditional fixing sleeve anchors
- Galvanised carbon steel
- Can be used in concrete block, brick and stone



ANCHORS SLEEVE GALVANISED



- Carbon Steel Yellow Passivated
- Powers Sleeve Anchor Bolt



Part No.	Description	Unit	Qty
M010039	SLEEVE ANCHOR GALV 8.0X40MM	BOX	100
M010042	SLEEVE ANCHOR GALV 10.0X40MM	BOX	50
M010043	SLEEVE ANCHOR GALV 10.0X50MM	BOX	50
M010044	SLEEVE ANCHOR GALV 10.0X60MM	BOX	50
M010045	SLEEVE ANCHOR GALV 10.0X75MM	BOX	50
M010047	SLEEVE ANCHOR GALV 12.0X60MM	BOX	50
M010048	SLEEVE ANCHOR GALV 12.0X75MM	BOX	25

ZINC PLATED HEX NUT 3/16 PK100

Unit: EA Qty: 1



Part No. M011614

- Yellow passivated
- Hex Nut
- Pack of 100

ANCHORS SLEEVE HEX NUT



- Economical, traditional fixing sleeve anchors
- Carbon steel yellow passivated
- Can be used in concrete block, brick and stone

Part No.	Description	Unit	Qty
M010001	SLEEVE ANCHOR HEX NUT MS 6.5X20MM	BOX	100
M010003	SLEEVE ANCHOR HEX NUT MS 6.5X35MM	BOX	100
M010004	SLEEVE ANCHOR HEX NUT MS 6.5X55MM	BOX	100
M010005	SLEEVE ANCHOR HEX NUT MS 6.5X75MM	BOX	100
M010006	SLEEVE ANCHOR HEX NUT MS 8.0X40MM	BOX	100
M010007	SLEEVE ANCHOR HEX NUT MS 8.0X65MM	BOX	50
M010008	SLEEVE ANCHOR HEX NUT MS 8.0X85MM	BOX	50
M010009	SLEEVE ANCHOR HEX NUT MS 10X40MM	BOX	50
M010010	SLEEVE ANCHOR HEX NUT MS 10X50MM	BOX	50
M010011	SLEEVE ANCHOR HEX NUT MS 10.0X60MM	BOX	50
M010012	SLEEVE ANCHOR HEX NUT MS 10.0X75MM	BOX	50
M010013	SLEEVE ANCHOR HEX NUT MS 10.0X95MM	BOX	50
M010015	SLEEVE ANCHOR HEX NUT MS 12.0X60MM	BOX	50
M010017	SLEEVE ANCHOR HEX NUT MS 12.0X100MM 25PK	BOX	25

ANCHORS SLEEVE COUNTERSUNK



- Carbon Steel Yellow Passivated
- Powers Sleeve Anchor Bolt
- CSK Head

Part No.	Description	Unit	Qty
M010076	SLEEVE ANCHOR C/SUNK HEAD 6.5 X 36MM	BOX	100
M010078	SLEEVE ANCHOR C/SUNK HEAD 6.5 X 75MM	BOX	100

ANCHORS WEDGE DROP-IN



- Carbon Steel Yellow Passivated
- Powers Wedge Anchor / Drop-In

Part No.	Description	Unit	Qty
M010168	WEDGE ANCHOR/DROP-IN M6 X 28MM	BOX	100
M010169	WEDGE ANCHOR/DROP-IN M8 X 30MM	BOX	100
M010170	WEDGE ANCHOR/DROP-IN M10 X 40MM	BOX	50
M010171	WEDGE ANCHOR/DROP-IN M12 X 57MM	BOX	50
M010172	WEDGE ANCHOR/DROP-IN M16 X 67MM PK25	BOX	25

CABLE MANAGEMENT AND FIXINGS

ANCHORS ZIP-IT

ZIP-IT METAL ANCHOR

Unit: BOX Qty: 100



Part No. M010495

- A one piece self drilling metal anchor designed for use in hollow gypsum wallboard for light to medium duty loads
- Designed to be used with No.8 screws in 3/8-1
- Available in metal or nylon supplied in packs of 25 or 100

ZIP-IT NYLON ANCHOR

Unit: BOX Qty: 100



Part No. M010496

- A one piece self drilling metal anchor designed for use in hollow gypsum wallboard for light to medium duty loads
- Designed to be used with No.8 screws in 3/8-1
- Available in metal or nylon supplied in packs of 25 or 100

HANGERS SIDE



- Vertigo is a one-piece, all steel threaded fastening system for suspending steel threaded rod vertically overhead
- Suitable base materials: Structural steel and steel
- Zinc clear



Part No.	Description	Unit	Qty
M018096	SIDE HANGER 1/4 M6 (STEEL)	BOX	100
M018112	SIDE HANGER 1/4 M8 (STEEL)	BOX	100
M018100	SIDE HANGER 1/4 M10 (STEEL)	BOX	100

CONCRETE VERTICAL HANGER 6.5MM X 32MM

Unit: BOX Qty: 100



Part No. M018080

- VERTIGOT Vertical Hanger
- For Concrete Use
- M6 size

HANGERS VERTICAL



- Vertigo is a one-piece, all steel threaded fastening system for suspending steel threaded rod vertically overhead
- Suitable for wood
- Zinc clear



Part No.	Description	Unit	Qty
M018040	VERTICAL HANGER 1/4 TYPE 17 M6 (WOOD)	BOX	100
M018060	VERTICAL HANGER 1/4 TYPE 17 M8 (WOOD)	BOX	100
M018125	VERTICAL HANGER 1/4 TYPE 17 M10 (WOOD)	BOX	100
M018044	VERTICAL HANGER 1/4 TYPE 17 M10 (WOOD)	BOX	100
M018084	VERTICAL HANGER 1/4 M10 (CONCRETE)	BOX	100
M018000	VERTICAL HANGER 1/4 M6 (STEEL)	BOX	100
M018008	VERTICAL HANGER 1/4 M10 (STEEL)	BOX	100
M018012	VERTICAL HANGER 1/4 50MM (STEEL)	BOX	250
M018024	VERTICAL HANGER 1/4 M8 (STEEL)	EA	1

VERTIGO HANGERS

VERTIGO CONCRETE SOCKET M6 (CONCRETE)

Unit: BOX Qty: 5

Part No. M017195

- Socket Driver
- For M6 Vertigo
- Concrete Use



VERTIGO CONCRETE SOCKET M10 (CONCRETE)

Unit: BOX Qty: 5

Part No. M017197

- Socket Driver
- For M6 Vertigo
- Concrete Use



BLUE TIP SCREW BOLTS HEX

- Zero expansion, one piece unit with hex head and completely removable
- Next generation mechanical anchor
- Manufactured from carbon steel



Part No.	Description	Unit	Qty
BT550	BLUE-TIP SCREWBOLT HEX HEAD 5X50MM	BOX	100
BT850	BLUE-TIP SCREWBOLT HEX HEAD 8X50MM	BOX	50
BT875	BLUE-TIP SCREWBOLT HEX HEAD 8X75MM	BOX	50
BT6530	BLUE-TIP SCREWBOLT HEX HEAD 6.5X30MM	BOX	100
BT6550	BLUE-TIP SCREWBOLT HEX HEAD 6.5X50MM	BOX	100
BT6575	BLUE-TIP SCREWBOLT HEX HEAD 6.5X75MM	BOX	50
BT8100	BLUE-TIP SCREWBOLT HEX HEAD 8X100MM	BOX	50
BT10100	BLUE-TIP SCREWBOLT HEX HEAD 10X100MM	BOX	50
BT65100	BLUE-TIP SCREWBOLT HEX HEAD 6.5X100MM	BOX	50
BTG875	BLUE-TIP SCREWBOLT HEX HEAD 8X75MM	BOX	50
M011726	BLUE-TIP SCREWBOLT HEX 10X60MM BT1060	BOX	50

SPIKE MUSHROOM

- The SPIKE Anchor is formed with an 's' shape at the working end of the anchor to create an expansion mechanism
- Creates spring type compression force against walls of hole
- Available in many sizes



Part No.	Description	Unit	Qty
M010549	SPIKE MUSH HEAD 5X38MM	BOX	100
M010552	SPIKE MUSH HEAD 6.5X38MM	BOX	100
M010553	SPIKE MUSH HEAD 6.5X50MM	BOX	100

SPIKE PIPE

PIPE SPIKE 6.5MM W/8MM INT. THREAD

Unit: BOX Qty: 100

Part No. M010573

- Designed for the suspension of threaded rod for HVAC and other services where suspended rod is required
- Carbon steel (zinc clear)
- For concrete, solid brick, solid block and grout filled block



CABLE MANAGEMENT AND FIXINGS

SPIKE WIRE AND ROD



- Ceiling hangers for wire or rod
- Special design for suspending pipe
- Material: Carbon steel



Part No.	Description	Unit	Qty
M010583	TIE WIRE SPIKE 5MM	BOX	100
M010584	TIE WIRE SPIKE 6.5MM	BOX	100

VERTIGO SOCKETS AND DRIVERS

UNIVERSAL METAL/WOOD SOCKET

Unit: BOX Qty: 5



Part No. M017187

- VERTIGO Socket Driver
- Universal (metal/wood) socket
- Excluding M12 size



TWPS DRIVER

Unit: EA Qty: 1



Part No. M017199

- VERTIGO Socket Driver
- TWPS Driver



WALLDOG 32MM ZINC 500 TUB PK500

Unit: EA Qty: 1



Part No. WALLDOG500

- Industry's first all steel one-piece screw with high profile threads
- Bulk pack of 500x 32mm Phillips screws
- Zinc



WALLDOGS



- Industry's first all steel one-piece screw with high profile threads
- Easy fastening into wallboard and other masonry materials
- Leaves a much smaller hole than toggles or other systems



Part No.	Description	Unit	Qty
M015861	WALLDOG SCREW ANCHOR PHILLIPS 32MM	BOX	100
M015862	WALLDOG SCREW ANCHOR SQ DRIVE 32MM	BOX	100
M015863	WALLDOG SCREW ANCHOR SQ DRIVE 50MM	BOX	100
M015864	POWERS WALLDOG DOG BOX	EA	1

WEDGE NUTS



- Non-drilling anchor system
- For threaded rod hangers from BONDEK
- Suitable material: Steel

Part No.	Description	Unit	Qty
M010526	WEDGE NUT M8	BOX	100
M010527	WEDGE NUT M10	BOX	100

CONDUIT FLASHING

PURLIN CLIPS

PURLIN CLIP

Unit: BOX Qty: 100



Part No. M010522

- For steel purlin 1.6-2.5mm thickness
- Zinc yellow
- Suitable for steel

AQUARIUS FLASHRITE



- Flexible, durable, dust, water, UV and air pollution resistant
- Bonded Aluminium support ring
- Torso provides strength and rigidity
- Flexible shoulder designed to relieve stress

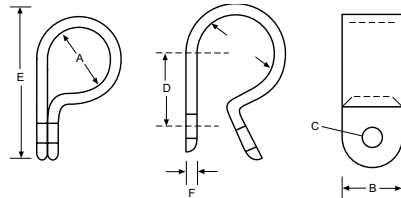
Part No.	Description	Unit	Qty
P990051	FLASHRITE CONDUIT FLASHING BASE 75X75MM	EA	1
P990054	FLASHRITE CONDUIT FLASHING BASE 115X115MM	EA	1
P990057	FLASHRITE CONDUIT FLASHING BASE 155X155MM	EA	1

CLIPS

P CLIPS BLACK



- An economical and secure way to mount cables and looms to just about anything
- Made from Nylon 66 - very durable
- Smooth edges to prevent cable damage
- Many sizes available for various cable diameters



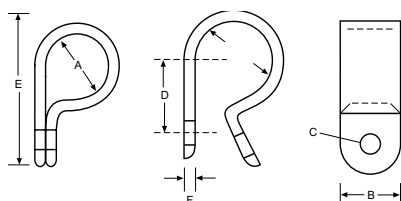
Part No.	Max Cable Dia. A (mm)	Width B (mm)	Dimensions Mount C (mm)	D (mm)	E (mm)	F (mm)	Unit	Qty
PCBK-3	3.2	9.6	4.6	9.5	19.8	1.4	PAK	100
PCBK-5	4.8	9.6	4.6	10.5	19.8	1.4	PAK	100
PCBK-6	6.4	10	4.6	10	20	1.4	PAK	100
PCBK-8	7.9	10	4.6	12	22	1.5	PAK	100
PCBK-9	9.5	12	4.6	15.2	24	1.5	PAK	100
PCBK-12	12.7	12	4.6	15.2	31	1.5	PAK	50
PCBK-16	15.8	12	4.6	18.2	34.3	1.5	PAK	25
PCBK-20	19.4	12	4.6	18.2	35	1.5	PAK	25
PCBK-25	25.4	12	4.6	22	43	1.8	PAK	25

CABLE MANAGEMENT AND FIXINGS

P CLIPS NATURAL



- An economical and secure way to mount cables and looms to just about anything
- Made from Nylon 66 - very durable
- Smooth edges to prevent cable damage
- Many sizes available for various cable diameters



Part No.	Max Cable Dia. A (mm)	Width B (mm)	Dimensions Mount C (mm)	D (mm)	E (mm)	F (mm)	Unit	Qty
PCN-3	3.2	9.6	4.6	9.5	19.8	1.4	PAK	100
PCN-5	4.8	9.6	4.6	10.5	19.8	1.4	PAK	100
PCN-6	6.4	10	4.6	10	20	1.4	PAK	100
PCN-8	7.9	10	4.6	12	22	1.5	PAK	100
PCN-9	9.05	12	4.6	15.2	24	1.5	PAK	100
PCN-12	12.7	12	4.6	15.2	31	1.5	PAK	50

CLIPS



- Holds cables in place. Fitted with a nail (suitable for nailing into wood)
- 38mm
- Six pieces in a row

Part No.	Description	Unit	Qty
M100001	ALUMINIUM PIN CLIPS SIZE 1	BOX	200
M100002	ALUMINIUM PIN CLIPS SIZE 2	BOX	200
M100003	ALUMINIUM PIN CLIPS SIZE 3	BOX	200
M100004	ALUMINIUM PIN CLIPS SIZE 4	BOX	200
M100005	ALUMINIUM PIN CLIPS SIZE 5	BOX	200
M100006	ALUMINIUM PIN CLIPS SIZE 6	BOX	200

SPRING CLIPS



- A fast and simple attachment for conduit and cables to metal eye beams
- Range of sizes available

Part No.	Description	Unit	Qty
SC8-13	SPRING CLIP 8MM-13MM	BAG	100
SC16-20	SPRING CLIP 16MM-20MM	BOX	100
SC25-32	SPRING CLIP 25MM-32MM	BOX	100

WALL PLUGS

WALL PLUGS



- Supplied in handy merchandiser pack of 100
- Screw length should equal the plug length plus fitting
- Select drill sizes from the table below
- When working with soft masonry please select a drill 1mm smaller



Part No.	Drill (mm)	Qty
WP25W	5	100
WP25R	6	100
WP25G	7	100
WP25G/1000	7	1000
WP25B	8	100



- Expansion plugs
- For light duty anchoring in concrete, stone, solid brick



Part No.	Description	Unit	Qty
M019008	WALL PLUG GREEN 50MM TRADE BAG	BAG	50
M019100	WALL PLUG GREEN 35MM TRADE BAG	PAK	100

SCORPION SELF ALIGNING WALL PLUG

Unit: BOX Qty: 100



Part No. M015860

- A proprietary plug that is ideal for low cost installation into plasterboard
- 50% more effective clamping force
- Unbreakable Nylon - does not shrink or loosen
- Non Corrosive

NYLON PLUGS



- Suitable for concrete, solid brick, solid block, aerated concrete block and grout filled block
- Material: Nylon
- Colour: Grey



Part No.	Description	Unit	Qty
M010387	NYLON PLUG GREY 5 X 25MM	BOX	300
M010388	NYLON PLUG GREY 6 X 30MM	BOX	200
M010391	NYLON PLUG GREY 10 X 50MM	BOX	50

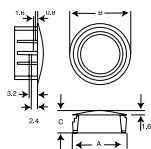
CABLE MANAGEMENT AND FIXINGS

BUSHES NYLON

BUSHES AND PLUGS



Quick and simple way to protect a cable from sharp edges in penetrations and panel holes
 Snap into place with self locking teeth
 Available in a range of sizes
 Also used with our range of Nylon plugs

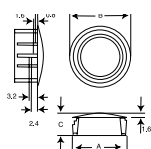


Part No.	Chassis Thickness (mm)	(A) Hole Size (mm)	Inner Dia. B (mm)	Outer Dia. C (mm)	Height L (mm)	Unit	Qty
NSB8	0.8-3.2	7.8	5.2	9.4	8	PAK	100
NSB10	0.8-3.2	9.5	6.3	12	10.3	PAK	100
NSB13	0.8-3.2	12.7	8.2	14.5	10.3	PAK	100
NSB16	0.8-3.2	15.9	12.2	18.6	10.3	PAK	100
NSB19	0.8-3.2	22	17.3	23.8	11.5	PAK	50
NSB22	0.8-3.2	22	17.3	23.8	11.5	PAK	25
NSB25	0.8-3.2	25.1	19.1	28	11.5	PAK	25
NSB30	0.8-3.2	29.7	24.1	32.3	11.5	PAK	25
NSB38	0.8-3.2	38.1	29	41.2	11.4	PAK	10
NSB45	0.8-3.2	43.6	35.4	47.8	11.6	PAK	10
NSB50	0.8-3.2	49.6	41.5	54	11.6	PAK	5

SNAP BUSHES SPLIT NYLON



Range taking advantage and can be retro-fitted to a cord if necessary
 Panel hole size is not as critical
 Fixed bushes snap into place
 Self contained teeth for secure fit



Part No.	Chassis Thickness (mm)	(A) Hole Size (mm)	Inner Dia. B (mm)	Outer Dia. C (mm)	Height L (mm)	Unit	Qty
SNSB10	0.8-3.2	7.8	5.2	9.4	8	PAK	100
SNSB13	0.8-3.2	9.5	6.3	12	10.3	PAK	100
SNSB16	0.8-3.2	12.7	8.2	14.5	10.3	PAK	100
SNSB19	0.8-3.2	15.9	12.2	18.6	10.3	PAK	100
SNSB22	0.8-3.2	22	17.3	23.8	11.5	PAK	50
SNSB25	0.8-3.2	22	17.3	23.8	11.5	PAK	25

FASTENERS

WAFER



- Phillips drive wafer head self drilling screws
- Available in 10 gauge only
- Packed in bags of 100

Part No.	Description	Unit	Qty
FRWH1022	WAFER HEAD 10GX22MM LENGTH	PAK	100
FRWH1022J	WAFER HEAD JAR 10GX22MM LENGTH	BOT	900
FRWH1030	WAFER HEAD 10GX30MM LENGTH	PAK	100



- Needle Point Screws
- For fastening to timber or light gauge steel
- General purpose self drilling

Part No.	Description	Unit	Qty
M019024	WAFER HEAD TEK SCREWS 10GX22 (100 PK)	PAK	100
M019025	WAFER HEAD TEK SCREWS 10GX30 (100 PK)	PAK	100

BUGLE 7G



- Phillips drive bugle head drywall screws
- This size available in 7 gauge only
- Packed in bags of 100

Part No.	Description	Unit	Qty
FRBH720	BUGLE HEAD 7GX20MM LENGTH	PAK	100
FRBH725	BUGLE HEAD 7GX25MM LENGTH	PAK	100
FRBH730	BUGLE HEAD 7GX30MM LENGTH	PAK	100
FRBH735	BUGLE HEAD 7GX35MM LENGTH	PAK	100
FRBH745	BUGLE HEAD 7GX45MM LENGTH	PAK	100
FRBH750	BUGLE HEAD 7GX50MM LENGTH	PAK	100

BUGLE 8G



- Phillips drive bugle head drywall screws
- This size available in 8 gauge only
- Packed in bags of 100

Part No.	Description	Unit	Qty
FRBH850	BUGLE HEAD 8GX50MM LENGTH	PAK	100
FRBH863	BUGLE HEAD 8GX63MM LENGTH	PAK	100
FRBH875	BUGLE HEAD 8GX75MM LENGTH	PAK	100

CABLE MANAGEMENT AND FIXINGS

BUGLE NEEDLE 7G



- Bugle Head Needle Point Screws
- For fastening to timber or light gauge steel
- General purpose self drilling

Part No.	Description	Unit	Qty
M019012	BUGLE HEAD NEEDLE POINT 7GX20MM (100 PK)	PAK	100
M019500	BUGLE HEAD NEEDLE POINT 7GX20MM - JAR	PAK	500
M019060	BUGLE HEAD NEEDLE POINT 7GX30MM (100 PK)	PAK	100
M019502	BUGLE HEAD NEEDLE POINT 7GX30MM (1000 PK)	BOX	1000
M019000	BUGLE HEAD NEEDLE POINT 7GX35MM (100 PK)	PAK	100
M019015	BUGLE HEAD NEEDLE POINT 7GX45MM (100 PK)	PAK	100

BUGLE NEEDLE 8G

BUGLE HEAD NEEDLE POINT 8GX75 (100 PK)

Unit: PAK Qty: 100



Part No. M019017

- Bugle Head Needle Point Screws
- For fastening to timber or light gauge steel
- General purpose self drilling

PAN 6G



- Phillips drive bugle pan head drywall screws
- This size available in 6 gauge only
- Packed in bags of 100



Part No.	Description	Unit	Qty
FRPH620	PAN HEAD 6GX20MM LENGTH	PAK	100
FRPH630	PAN HEAD 6GX30MM LENGTH	PAK	100
FRPH650	PAN HEAD 6GX50MM LENGTH	PAK	100

PAN 7G



- Phillips drive bugle pan head drywall screws
- This size available in 6 gauge only
- Packed in bags of 100



Part No.	Description	Unit	Qty
FRPH712	PAN HEAD 7GX12MM LENGTH	PAK	100
FRPH720	PAN HEAD 7GX20MM LENGTH	PAK	100
FRPH720J	PAN HEAD 7GX20MM LENGTH JAR	BOT	1400
FRPH725	PAN HEAD 7GX25MM LENGTH	PAK	100
FRPH725J	PAN HEAD 7GX25MM LENGTH JAR	BOT	1000
FRPH730	PAN HEAD 7GX30MM LENGTH	PAK	100
FRPH740	PAN HEAD 7GX40MM LENGTH	PAK	100
FRPH750	PAN HEAD 7GX50MM LENGTH	PAK	100

PAN NEEDLE 7G



- Pan Head Needle Point Screws
- For fastening to timber or light gauge steel
- General purpose self drilling

Part No.	Description	Unit	Qty
M019018	PAN HEAD NEEDLE POINT 6GX20MM (100 PK)	PAK	100
M019510	PAN HEAD NEEDLE POINT 6GX20MM - JAR	PAK	500
M019020	PAN HEAD NEEDLE POINT 7GX20MM	PAK	100
M019515	PAN HEAD NEEDLE POINT 7GX25MM - JAR	BOX	400

BUTTON SELF-DRILL 8G



- Phillips drive button head self drilling screws
- Available in 8 gauge only
- Packed in bags of 100



Part No.	Description	Unit	Qty
FRBHS812	SELF DRILL BUTTON 8GX12MM LENGTH	PAK	100
FRBHS825	SELF DRILL BUTTON 8GX25MM LENGTH	PAK	100
FRBHS832	SELF DRILL BUTTON 8GX32MM LENGTH	PAK	100

BUTTON DRYWALL 8G



- Phillips drive button head drywall screws
- Available in 8 gauge only
- Packed in bags of 100



Part No.	Description	Unit	Qty
FRBH815	DRYWALL BUTTON HEAD 8GX15MM LENGTH	PAK	100
FRBH815J	DRYWALL BUTTON HEAD 8GX15MM LENGTH JAR	BOT	1200
FRBH825	DRYWALL BUTTON HEAD 8GX25MM LENGTH	PAK	100
FRBH825J	DRYWALL BUTTON HEAD 8GX25MM LENGTH JAR	BOT	700
FRBH832	DRYWALL BUTTON HEAD 8GX32MM LENGTH	PAK	100
FRBH832J	DRYWALL BUTTON HEAD 8GX32MM LENGTH JAR	BOT	600

BUTTON



- Needle Point Screws
- For fastening to timber or light gauge steel
- General purpose self drilling

Part No.	Description	Unit	Qty
M019027	BUTTON HEAD TEK SCREWS 8GX25MM (100 PK)	PAK	100
M019028	BUTTON HEAD TEK SCREWS 8GX32MM (100 PK)	PAK	100

CABLE MANAGEMENT AND FIXINGS

JACK CHAIN

JACK CHAIN IN BUCKET 2.7MM X 30M

Unit: EA Qty: 1



Part No. JC2730

- Used to hang lights, cables, machine controls etc.
- Suitable for industrial and commercial applications
- Easy to connect and disconnect
- Zinc plated supplied in an easy to manage bucket

KITS

BOX OF 14 ASSORTED SELF DRILLING SCREWS

Unit: EA Qty: 1



Part No. SCREWPAK

- Handy plastic TBORG plastic dispenser box
- Contains 100 each of the following popular screws
- Button Teks, Pan Head, Bugle Head and Washer Head

WASHER NEEDLE



- Needle Point Screws
- For fastening to timber or light gauge steel
- General purpose self drilling

Part No.	Description	Unit	Qty
M019003	WASHER HEAD NEEDLE POINT 8GX15MM (100 PK)	PAK	100
M019526	WASHER HEAD NEEDLE POINT 8GX25MM - JAR	BAG	250
M019527	WASHER HEAD NEEDLE POINT 8GX32MM - JAR	PAK	140

WASHER

FW316 ZINC PLATED FLAT WASHER

Unit: EA Qty: 1



Part No. M011619

- Flat washer screw
- Yellow passivated
- Pack of 100

NAIL-IN MUSHROOM

NAIL-IN ANCHOR MUSH HEAD 5 X 25MM

Unit: BOX Qty: 100



Part No. M010430

- Suitable for concrete, solid brick, solid block, and grout filled block
- Mushroom head
- Material: Nylon

CABLE MANAGEMENT AND FIXINGS

NAIL-IN MUSHROOM

- Suitable for concrete, solid brick, solid block, and grout filled block
- Round head
- Material: Nylon



Part No.	Description	Unit	Qty
M011583	NAIL-IN ANCHOR MUSH HEAD 5.0X25MM	BOX	100
M011584	NAIL-IN ANCHOR MUSH HEAD 6.5X25MM	PAK	80
M011585	NAIL-IN ANCHOR MUSH HEAD 6.5X40MM	PAK	60
M011586	NAIL-IN ANCHOR MUSH HEAD 6.5X50MM	PAK	50

WIRE NUTS

WIRE NUTS

NUT FOR WIRE GREY 5 PCS 3*6MM² MAX.

Unit: KIT Qty: 1



Part No. WNG

- Re-useable nuts suitable for solid and stranded wires
- Use for general purpose wiring and garden lights
- 5 x nuts per pack
- Various colours available accommodating many conductor sizes

NUT FOR WIRE BLUE 3 PCS 4*6MM² MAX.

Unit: KIT Qty: 1



Part No. WNB

- Re-useable nuts suitable for solid and stranded wires
- Use for general purpose wiring and garden lights
- 10 x nuts per pack
- Various colours available accommodating many conductor sizes

PLUG AND CORD

2 PIN 7.5A



- 2 Pin 7.5 Amp ordinary duty cable
- Standard strip length is 65mm (outer) and 6mm (inner conductor)
- 5mm Earth Terminal when installed

Part No.	Amps	Colour	Length (m)	Pin	Variant	Unit	Qty
2P7.5BK2	7.5	Black	2	2	With ring terminal	EA	1
2P7.5WH2	7.5	White	2	2	With ring terminal	EA	1

2 PIN 7.5A NT



- 2 Pin 7.5 Amp ordinary duty cable
- Standard strip length is 65mm (outer) and 6mm (inner conductor)
- 5mm Earth Terminal when installed

Part No.	Amps	Colour	Length (m)	Pin	Variant	Unit	Qty
2PF7.5BK2NT	7.5	Black	2	2	No ring terminal, flat cable	EA	1

CABLE MANAGEMENT AND FIXINGS

3 PIN 7.5A



- 3 Pin 7.5 Amp ordinary duty cable
- Standard strip length is 65mm (outer) and 6mm (inner conductor)
- 5mm Earth Terminal when installed

Part No.	Amps	Colour	Length (m)	Pin	Variant	Unit	Qty
3P7.5BK2	7.5	Black	2	3	With ring terminal	EA	1
3P7.5GY1.7	7.5	Grey	1.7	3	With ring terminal	EA	1
3P7.5GY2	7.5	Grey	2	3	With ring terminal	EA	1
3P7.5GY-3	7.5	Grey	3	3	With ring terminal	EA	1

3 PIN 7.5A NT



- 3 Pin 7.5 Amp ordinary duty cable
- Standard strip length is 65mm (outer) and 6mm (inner conductor)
- 5mm Earth Terminal version also available

Part No.	Amps	Colour	Length (m)	Pin	Variant	Unit	Qty
3P7.5BK2NT	7.5	Black	2	3	No terminal	EA	1
3P7.5GY1.7NT	7.5	Grey	1.7	3	No ring terminal	EA	1
3P7.5GY2NT	7.5	Grey	2	3	No ring terminal	EA	1
3P7.5WH2NT	7.5	White	2	3	No ring terminal	EA	1

3 PIN 10A



- 3 Pin 10 Amp ordinary duty cable
- Standard strip length is 65mm (outer) and 6mm (inner conductor)
- 5mm Earth Terminal when installed

Part No.	Amps	Colour	Length (m)	Pin	Variant	Unit	Qty
3P10GY1.7BLP	10	Grey	1.7	3	BLP terminals - Round Earth	EA	1
3P10BK3	10	Black	3	3	With ring terminal	EA	1
3P10GY1.7	10	Grey	1.7	3	With ring terminal	EA	1
3P10GY2	10	Grey	2	3	With ring terminal	EA	1
3P10GY3	10	Grey	3	3	With ring terminal	EA	1

3 PIN 10A NT



- 3 Pin 10 Amp ordinary duty cable
- Standard strip length is 65mm (outer) and 6mm (inner conductor)
- 5mm Earth Terminal version also available

Part No.	Amps	Colour	Length (m)	Pin	Variant	Unit	Qty
3P10BK2NT	10	Black	2	3	No ring terminal	EA	1
3P10GY1.7NT	10	Grey	1.7	3	No ring terminal	EA	1
3P10GY2NT	10	Grey	2	3	No terminal	EA	1
3P10GY3NT	10	Grey	3	3	No ring terminal	EA	1

CABLE MANAGEMENT AND FIXINGS

3 PIN 15A NT



- 3 Pin 15 Amp ordinary duty cable
- Standard strip length is 65mm (outer) and 6mm (inner conductor)

Part No.	Amps	Colour	Length (m)	Pin	Variant	Unit	Qty
3P15BK3NT	15	Black	3	3	No ring terminal	EA	1
3P15GY3NT	15	Grey	3	3	No ring terminal	EA	1

CABAC Industrial Aerosol Range - Essential for Electricians.



*CABAC range of industrial sprays are standard items
in most toolboxes and utes.*

They are versatile, multi-purpose, and easy to use.

CLEANERS

CLEANERS

CABCHEM CONTACT CLEAN 350G

Unit: EA Qty: 1



Part No. CH115

- A blend of high performing inert cleaning solvents for use on all electronic precision equipment
- Cleans sensitive components
- Plastic safe, rapid evaporation and low toxicity
- Contains no CFCs or chlorinated solvents

CABCHEM CIRCUIT CLEANER 400G

Unit: EA Qty: 1



Part No. CH135

- A powerful mixture of solvents for heavy-duty cleaning and degreasing of electrical, mechanical and auto electrical equipment
- Harmless to plastics
- Removes oil, grease, dirt, grime and moisture

CABCHEM ELECTRO CLEANER 500G

Unit: EA Qty: 1



Part No. CH125

- A powerful mixture of solvents for heavy-duty cleaning and degreasing of electrical, mechanical and auto electrical equipment
- Non corrosive, non flammable, non conductive and residue free
- Removes oil, grease, wax, dirt, moisture and fats
- May affect some plastics and paints

ALCOHOL WIPES

ALCOHOL WIPES 100PACK

Unit: EA Qty: 1



Part No. 45WIPE

- Ideal for cleaning connector ends and bare fibre
- Pre-moistened wipes
- Moistened with isopropyl alcohol

CHEMICALS AND ADHESIVES

LUBRICANTS

LUBRICANTS

CABCHEM CIRCUIT REVIVER 285G

Unit: EA Qty: 1



Part No. CH174

- An oil based cleaner that efficiently removes carbon, sulphide and oxide layers from all metallic contact surfaces
- Can also be used to remove contamination residue
- Inhibitors provide lubrication and corrosive protection

CABCHEM SILICONE 1000 300G

Unit: EA Qty: 1



Part No. CH314

- A high quality electrical insulation compound with excellent water and moisture repellent properties
- Breakdown voltage 12kV/mm
- Universal lubrication for plastics and rubber
- Non-toxic and non-staining

CABCHEM 24/7 450G

Unit: EA Qty: 1



Part No. CH334

- A multi-functional formula which protects, lubricates and prevents electrical failure
- Protects in conditions like moisture, corrosion, dirt and more
- Cleans and lubricates precision parts
- Penetrates rusted and frozen parts

CABCHEM BLUE LUBE 1LTR

Unit: KAR Qty: 6



Part No. CH377

- A versatile blend of lubricants, wetting agents and bactericides specially formulated to ease cables through conduits
- Ideal for horizontal and vertical pulls
- Compatible with all common cable types

CABCHEM BLUE LUBE BULK 20LTR

Unit: EA Qty: 1



Part No. CH377L20

- A versatile blend of lubricants, wetting agents and bactericides specially formulated to ease cables through conduits
- Ideal for horizontal and vertical pulls
- Compatible with all cable types

CABCHEM ZINC 390G

Unit: EA Qty: 1



Part No. CH533

- A 99% epoxy based zinc rich coating used to inhibit rust and corrosion of metal surfaces
- Electrochemically bonds to metal
- Provides active galvanic protection

IDEAL LUBRICANTS

CLEARGLIDE WIRE PULLING LUBRICANT

Unit: EA Qty: 1



Part No. 31-388

- A clear and colourless lubricant to assist in pulling electrical conductors into conduit electrical installations
- Quick and easy to clean
- Dries to a semi-fluid film that will not clog

ADHESIVES

ADHESIVES

GLUG-PLUG FAST CURE SOLVENT FREE POLYURE

Unit: EA Qty: 1



Part No. GLUG-PLUG

- The ultimate all-in-1 fixer
- Fast curing liquid plug for light-duty fastening and anchoring
- Polyurethane based solvent free injection compound
- Expands in the hole and cures quickly

SEALANTS

SEALANTS

SILJ-RG SILICONE SEALANT - ROOF AND PLUMBI

Unit: EA Qty: 1



Part No. P992800

- Sealant for internal & external, multipurpose, weather and waterproof applications.
- Neutral cure and potable water approved
- Waterproof and UV resistant
- High flexibility
- 300g tube

TRIGGERFOAM 750ML

Unit: EA Qty: 1



Part No. M010691

- Expanding foam that sets to the current shape
- Excellent application qualities to many surface types
- 750ml

SILJ-KB SILICONE SEALANT - SANITARY AND GL

Unit: EA Qty: 1



Part No. P992801

- Used for sealing around doors and windows, sealing glass to glass and glass to Aluminium
- Waterproofing/anti-mildew sealing around sanitary ware, sinks etc
- Fast, Acetoxy cure
- Mould resistant
- 300g tube

FIRE POWER FIRE RATED FOAM 750ML CAN

Unit: EA Qty: 1



Part No. M010695

- CFC free propellant
- Single component and self-expanding
- Ready to use
- Fire rated for up to 360 minutes in certain configurations

CHEMICALS AND ADHESIVES

SILJ-ES SILICONE SEALANT- ALL PURP ELEC

Unit: EA Qty: 1



Part No. P992804

- Used for the sealing of glass, aluminium panel curtain walls, metal, concrete, brick, glass skylights, roofing and guttering and more
- Many other constructional and industrial uses
- Neutral cure and mould resistant
- Waterproof and weatherproof
- 300g tube

PESTICIDES

PESTICIDES

WASP AND NEST DESTROYER (DG)

Unit: EA Qty: 1



Part No. P994102

- Extremely potent pesticide to kill wasps and their nests
- Light weight aerosol can with a 4 metre spray
- Stable solution with a long shelf life
- Ergonomic trigger requires medium pressure only

Hand Tools and Tool Storage

Hand Crimpers	B178
Cutters	B183
Strippers	B187
Cable Tensioners	B194
Pliers and Side Cutters	B195
Screwdrivers	B197
Bits and Holders	B215
Spanners	B219
Wrenches	B223
Sockets and Drivers	B224
Tool Kits	B226
Knives	B230
Hammers	B232
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Allen Keys and Hex Keys	B232
Gun Tools	B233
Soldering Irons	B235
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Waterproof Cases	B257
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TOOLS

HAND CRIMPERS

LUG AND TERMINAL CRIMPERS

COMBINATION NON-RATCHET CRIMPER 1.5-6MM2

Unit: EA Qty: 1



Part No. K10/3

- Low cost combination crimp tool for pre-insulated red, blue and yellow terminals, copper lugs and un-insulated terminals
- Includes cutter, bolt cutter and wire stripper
- Size: 1.5-6mm²
- For the handyman NOT for quality electrical installations



CU LUG HAND CRIMPER 1.5-10MM2 PRECISION

Unit: EA Qty: 1



Part No. HN1

- Precision ratchet lug crimper for indent crimping of Copper lugs 1.5-10mm²
- Ratchet operation ensures correct crimp
- Ergonomic handle ensures reduced hand effort
- Suitable for indent crimping of copper lugs 1.5-10mm²



COPPER LUG HAND CRIMPER 1.5-10MM2

Unit: EA Qty: 1



Part No. HN2

- Low cost ratchet lug crimper for indent crimping of copper lugs 1.5-10mm²
- Ratchet operation ensures correct crimp and reduced hand effort
- Suitable for indent crimping of copper lugs 1.5-10mm²



PRE-INS. TERMINAL CRIMPER RD/BL/YL PREC

Unit: EA Qty: 1



Part No. HP3

- A high precision ratchet terminal crimper for red, blue and yellow pre-insulated terminals
- Jaws are hardened and polished for optimum crimp
- Ratchet operation ensures correct crimp and reduced hand effort
- Guaranteed for a million crimps



PRE-INS. TERMINAL CRIMPER - PRECISION

Unit: EA Qty: 1



Part No. HP3/1

- A high precision ratchet terminal crimper with guard for red, blue and yellow pre-insulated terminals
- Jaws are hardened and polished for optimum crimp
- Ratchet operation ensures correct crimp and reduced hand effort
- Guaranteed for a million crimps



PRE-INS. TERMINAL CRIMPER - 10-16MM2

Unit: EA Qty: 1



Part No. HNN4

- High precision ratchet terminal crimper for red, yellow and blue pre-insulated terminals
- Jaws are hardened and polished for optimum crimp
- Ratchet is releasable and adjustable



BRASS TERM CRIMPER 0.75-6MM2 ROLL CRIMP

Unit: EA Qty: 1



Part No. HF1

- High precision tool used mainly for quick connector types
- Roll crimp supports the insulation and crimps the wire
- Ergonomic handles
- Not suitable for flag terminals



BRASS TERM CRIMPER 0.75-6MM2 ROLL CRIMP

Unit: EA Qty: 1



Part No. HF2

- A low cost tool used mainly for quick connector types
- Roll crimp supports the insulation and crimps the wire
- Ergonomic handles
- Not suitable for flag terminals



COMBINATION HAND CRIMPER 1.5-16MM2

Unit: EA Qty: 1



Part No. K26

- Low cost ratchet crimper
- High leverage to create a 'W' crimp for a larger crimp range
- Ratchet operation ensures correct crimp
- Suitable for crimping copper lugs and un-insulated terminals 1.5-16mm2



H/DUTY COMBINATION CRIMPER 1.5-16MM2

Unit: EA Qty: 1



Part No. K27

- Robust ratchet crimper
- Ratchet operation ensures correct crimp
- More crimp tools in different sizes available
- Suitable for crimping copper lugs and un-insulated terminals 1.5-16mm2



COPPER LUG CRIMPER 6-25MM2

Unit: EA Qty: 1



Part No. K28

- Robust ratchet crimper
- High leverage to create a 'W' crimp for a larger crimp range
- Low effort required due to high leverage handles
- Ratchet operation ensures correct crimp
- Suitable for crimping copper lugs and un-insulated terminals 6-25mm2



PRE-INSULATED TERMINAL CRIMPER RD/BL/YL

Unit: EA Qty: 1



Part No. KTC1

- Low cost ratchet terminal crimper for red, blue and yellow pre-insulated terminals
- Ratchet operation ensures correct crimp and reduced hand effort
- Max capacity is 6mm2 when crimping flexible conductors in yellow



TOOLS

PROF. PRE-INSULATED TERMINAL CRIMPER

Unit: EA Qty: 1



Part No. KTC3

- High precision ratchet style crimping tool for red, blue and yellow pre-insulated terminals
- Jaws are hardened and polished to ensure optimum crimp
- Super high leverage ergonomic handles
- Ratchet operation ensures correct crimp



INDENT CRIMPER 16-120MM2

Unit: EA Qty: 1



Part No. K9

- For indent crimping copper lugs from 16-120mm2
- Adjustable dies
- Length: 650mm
- Weight: 3.6kg

FLAG TERMINAL CRIMPER

Unit: EA Qty: 1



Part No. KFLAG

- Specially designed to crimp our range of fully insulated blue and red flag terminals
- Tool has a ratchet to ensure a complete crimp
- Quick and easy to use
- Rest terminal in the indent of the jaw and crimp

WATERPROOF CONNECTOR CRIMPING TOOL

Unit: EA Qty: 1



Part No. FCOMT1

- Effortless one step operation is accomplished in a single action giving a professional, cost effective, solution
- Universal design, creates a permanent termination
- No adjustments are required
- Great for home theatre, CATV, SAT and security installations

TERMINAL CRIMPER KIT WITH 5 DIES

Unit: EA Qty: 1



Part No. K03C-5D

- Hand, ratchet crimp tool with five dies for bootlace ferrules, uninsulated, pre-insulated and roll crimp terminals
- Pre-insulated terminals: red, blue and yellow
- Uninsulated terminals: 1.5-16mm2
- Roll crimp terminals: 0.5-6mm2
- Bootlace ferrules: 0.5-16mm2

BOOT LACE CRIMPERS

SMALL BOOTLACE CRIMPER 0.14-2.5MM2

Unit: EA Qty: 1



Part No. HNKE3

- Designed to crimp ultra small bootlace ferrules
- 7 jaw positions for bootlace pins
- Serrated crimp surface creating an enhanced grip
- Ratchet controlled with an 8 position pressure adjustment

BOOTLACE CRIMPER 0.5-2.5MM2 PLIER STYLE

Unit: EA Qty: 1



Part No. HNKE6

- A low cost, manual, plier type crimper
- Spring open action
- Suitable for bootlace ferrules and un-insulated end sleeves



BOOTLACE CRIMPER 0.5-16.0MM2 LOW COST

Unit: EA Qty: 1



Part No. HNKE5

- A low cost tool with a huge crimp range for bootlace ferrules
- Serrated crimp surface creating an enhanced grip
- Ratchet is adjustable to compensate for tool wear
- Suitable for insulated and un-insulated



BOOTLACE CRIMPER STRIPPER AND CUTTER

Unit: EA Qty: 1



Part No. HNKE12

- Designed to cut, strip and crimp bootlace ferrules with one tool
- Insulation removal from 0.5 to 6mm2
- Two crimp ranges: 0.5 to 2.5 and 4 to 6mm2
- Wire cutter for up to 6mm2
- Weight: 120g. Length: 160mm

DIE-LESS BOOTLACE CRIMPER 0.25-6.0MM2

Unit: EA Qty: 1



Part No. HNKE9

- A ferrule crimper with a unique crimp action
- Serrated crimp surface creating an enhanced grip
- Ensure that tool is well oiled for correct operation
- Self-adjusts with 6 pressure adjustments



DIE-LESS BOOTLACE CRIMPER 0.75-10MM2

Unit: EA Qty: 1



Part No. HNKE10

- A ferrule crimper with a unique crimp action
- Serrated crimp surface creating an enhanced grip
- Ensure that tool is well oiled for correct operation
- Self-adjusts with 9 pressure adjustments



DIE-LESS BOOTLACE CRIMPER 4-16MM2

Unit: EA Qty: 1



Part No. HNKE11

- A ferrule crimper with a unique crimp action
- Serrated crimp surface creating an enhanced grip
- Ensure that tool is well oiled for correct operation
- Self-adjusts with 6 pressure adjustments



TOOLS

BOOTLACE CRIMPER 16-35MM2

Unit: EA Qty: 1



Part No. HNKE7

- Designed to crimp the large end of the bootlace range
- Ratchet controlled for crimp consistency
- Serrated crimp surface creating an enhanced grip



BOOTLACE CRIMPER 25 35 AND 50MM2

Unit: EA Qty: 1



Part No. HNKE50

- High precision investment cast jaws
- Ratchet controlled to ensure precise and consistent crimping
- Emergency release lever
- Toggle action leverage to reduce operator effort
- Ergonomically designed moulded plastic grips

K06 DIE- SET OF 2

Unit: EA Qty: 1



Part No. Y-K06H/3

- Spare die set to suit K06 hexagonal copper lug crimper

HEX CRIMPERS

HEXAGONAL CRIMPER 6-50MM2

Unit: EA Qty: 1



Part No. K05

- Hexagonal copper lug crimper with range from 6-50mm2
- Dies are self-contained and rotating
- Over centre action to ensure complete crimp
- Spare die set also available Y-K05H/21
- Pressure range 4-13kg

HEXAGONAL CRIMPER 6-120MM2

Unit: EA Qty: 1



Part No. K06

- Hexagonal copper lug crimper with range from 6-120mm2
- Dies are self-contained and rotating
- Over centre action ensures a complete crimp
- Spare die set also available Y-K06H/3
- Also available with removable handles and a case K06C

HEXAGONAL CRIMPER 6-120MM2 M/HANDLE CASE

Unit: EA Qty: 1



Part No. K06C

- Hexagonal copper lug crimper with range from 6-120mm2
- Dies are self-contained and rotating
- Over centre action ensures a complete crimp
- Spare die set also available Y-K06H/3
- Also available as a solid unit with no case K06

CUTTERS

BUDGET BOLT CUTTERS

BOLT CUTTER - 10MM OD

Unit: EA Qty: 1



Part No. KBC24

- Designed to cut wire basket type cable tray
- Offset jaw enables a better cut
- Suitable for cutting steel
- Maximum diameter 10mm

HAND CABLE CUTTERS

CABLE CUTTER 10.5MM O.D. MAX

Unit: EA Qty: 1



Part No. K10

- Cable cutting for copper cables
- Not suitable for cutting steel
- Maximum diameter 10.5mm

INSULATED CABLE CUTTER 220MM X 20MM

Unit: EA Qty: 1



Part No. ICC220

- For use on soft wire only (copper aluminium cable)
- Double insulated with 1000V VDE protection
- IEC 60900:2004



CABLE CUTTER GENERAL PURPOSE UP TO 70MM²

Unit: EA Qty: 1



Part No. K40

- Low cost, general purpose cable cutter
- Designed to cut copper and aluminium conductors
- Conductor range up to 70mm²
- Parrot beak style blades do not distort cable

CABLE CUTTER PARROT BEAK UP TO 120MM²

Unit: EA Qty: 1



Part No. K50

- Handy cutter for mid range copper and aluminium cables
- Small enough to fit into a tool box
- Parrot beak style blades do not distort cable

CABLE CUTTER DOUBLE ACTION UP TO 185MM²

Unit: EA Qty: 1



Part No. K101/1

- Small, low cost cable cutter
- Designed to cut annealed copper and aluminium conductors
- Conductor range up to 185mm² (26mm over insulation)
- Replacement blade available (Part No. K101/1E)

TOOLS

BLADE FOR K101/1

Unit: EA Qty: 1



Part No. K101/1E

- Replacement blade for the double action cable cutter K101/1
- Designed to cut annealed Copper and Aluminium conductors
- Conductor range up to 185mm² (26mm over insulation)

CABLE CUTTER - UP TO 240MM²

Unit: EA Qty: 1



Part No. KME2

- Small cable cutter for annealed copper and aluminium conductors up to 240mm²
- Parrot beak style blades do not distort cable
- Replacement blade available KME2 BLADE

BLADE FOR KME2

Unit: EA Qty: 1



Part No. KME2 BLADE

- Replacement blade for small cable cutter
- Parrot beak style blades do not distort cable
- Suitable for annealed copper and aluminium conductors
- Maximum size 240mm²

CABLE CUTTER - UP TO 500MM²

Unit: EA Qty: 1



Part No. KME3

- Large cable cutter for annealed copper and aluminium conductors up to 500mm²
- Parrot beak style blades do not distort cable
- Replacement blade available KME3 BLADE

BLADE FOR KME3

Unit: EA Qty: 1



Part No. KME3 BLADE

- Replacement blade for large cable cutter used for annealed copper and aluminium conductors up to 500mm²
- Parrot beak style blades do not distort cable

CABLE CUTTER DOUBLE ACTION UP TO 500MM

Unit: EA Qty: 1



Part No. K101/2

- Large cable cutters for annealed copper and aluminium conductors up to 500mm² (40mm over insulation)
- Double action head and extension handles
- Maximum leverage
- Replacement blade available K101/2E

BLADE FOR K101/2

Unit: EA Qty: 1



Part No. K101/2E

- Replacement blade for the double action cable cutter K101/2
- Designed to cut annealed copper and aluminium conductors
- Conductor range up to 500mm² (40mm over insulation)

RATCHET CABLE CUTTER UP TO 300MM²

Unit: EA Qty: 1



Part No. K683/T

- A compact cutter designed for annealed copper and aluminium conductors up to 300mm² (maximum 32mm outside diameter)
- Small size enables cutting in tight spots
- Ratchet reduces hand effort
- Replacement moving blade Y-K683T/3
- Replacement fixed blade Y-K683T/4

RATCHET CABLE CUTTER UP TO 400MM²

Unit: EA Qty: 1



Part No. K684/T

- A compact single hand operated cutter designed for annealed copper and aluminium cables only
- Not for overhead style aluminium or ACSR
- Conductor range up to 400mm² (52mm outside diameter)
- Small in size - fits into the average tool box

ACSR AND STEEL WIRE RATCHET CUTTER 25MM²OD

Unit: EA Qty: 1



Part No. K686/T

- A compact cutter designed to cut ACSR and steel wire
- Handles extend and lock into place
- Supplied with a canvas bag
- Spare blade available Y-K686T/MBLADE
- Maximum steel: 150mm², 25mm outside diameter
- Maximum ACSR: 400mm²

RATCHET CABLE CUTTER 3X120MM² ARM.CABLE

Unit: EA Qty: 1



Part No. K687/T

- A compact cutter designed to cut armoured cable
- Easily cuts normal copper and aluminium cable
- Handles extend and lock into place
- Spare blade available Y-K687T/MBLADE
- Maximum 3 x 120mm², 5mm outside diameter

ARMOURED CABLE RATCHET CUTTER 3X300MM²

Unit: EA Qty: 1



Part No. K688/T

- A compact cutter designed to cut cable and copper and aluminium armoured cable
- Handles extend and lock into place
- Supplied with a canvas carry bag
- Maximum copper 3 x 300m²
- Maximum aluminium 100m²

TOOLS

ARMOURED CABLE RATCHET CUTTER 130MM2

Unit: EA Qty: 1



Part No. K689/T

- A compact cutter designed to cut cable and aluminium armoured cable
- Handles extend and lock into place
- Supplied with a canvas carry bag
- Maximum copper 3 x 300mm²
- Maximum aluminium 130mm²

CONDUIT CUTTERS

CONDUIT CUTTER -UP TO 38MM OD

Unit: EA Qty: 1



Part No. KCC32

- Designed for quick, neat and square cutting of PVC conduit and duct
- Cuts up to 38mm outside diameter
- Supplied with a flat bed attachment for cutting duct
- Replacement blade available KCC32 BLADE

BLADE FOR KCC32

Unit: EA Qty: 1



Part No. KCC32 BLADE

- Replacement blade
- Tool designed for quick, neat cutting of PVC conduit and duct
- Tool is supplied with a flat bed attachment for cutting duct
- Suitable for 38mm O.D.

CONDUIT CUTTER - 42MM OD

Unit: EA Qty: 1



Part No. KCC42

- High quality tool for cutting PVC conduit
- Features a stainless steel cutting blade
- Replacement Blade available KCC42 BLADE
- Suitable for 42mm O.D. conduit

BLADE FOR KCC42

Unit: EA Qty: 1



Part No. KCC42 BLADE

- Replacement blade to suit a conduit cutter of 42mm O.D.
- High quality blade
- For PVC conduit

CONDUIT CUTTER - 46MM OD

Unit: EA Qty: 1



Part No. KCC48

- Very large conduit cutter for cutting PVC conduit up to 46mm diameter
- Unique clutch action opens blades once cut is complete
- Excellent for precise cutting without distortion
- Heavy-duty, ultra hard (HRC57) stainless steel blade
- Replacement blade available KCC48 BLADE

BLADE FOR KCC48

Unit: EA Qty: 1



Part No. KCC48 BLADE

- Replacement blade to suit a conduit cutter of 46mm O.D.
- Heavy-duty, ultra hard (HRC 57) stainless steel blade
- Unique 'U' profile to increase life
- Excellent for precise cutting without distortion

CABLE CUTTERS

ELECTRICIANS SHEARS 138MM CUTS TO 4MM2

Unit: EA Qty: 1



Part No. K946

- Robust electrician's shears for cutting Cu or Al conductor up to 4mm² or dia. 2.5mm
- Stainless steel frame with polyamide handles, 138mm long
- Large finger holes for working with gloves
- For cutting soft cables, cable ties, tapes, cable fillers, etc.
- Serrated 42mm stainless steel blade with conductor cutting notch

PROFESSIONAL SCISSORS CU - AL 50MM2

Unit: EA Qty: 1



Part No. SC5X

- Lightweight, robust electrician's shears (scissors) for cutting Cu or Al conductor up to 50mm² or dia. 9mm²
- Full steel frame with compound, polyamide/rubber handles
- Large finger holes for working with gloves
- Supplied with holster and swivel belt hook
- Micro-serrated blade and conductor cutting groove

STRIPPERS

SWIVEL BLADE STRIPPERS

STRIPPER SWIVEL BLADE 4.5-25MM OD

Unit: EA Qty: 1



Part No. AM1

- Manual swivel blade stripper suitable for stripping insulation from conductors of 4.5-25mm O.D.
- Tool holds three spare blades in the handle
- Good for orange circular and larger building wire
- Spare blades are also available separately AM1 BLADE

BLADE FOR AM1 STRIPPER

Unit: EA Qty: 1



Part No. AM1 BLADE

- Replacement blade for the manual swivel blade stripper
- Tool holds three spare blades in the handle
- Good for orange circular and larger building wire
- Suitable for stripping insulation from conductors
- O.D. Range 4.5-25mm

SWIVEL BLADE STRIPPER 6 - 25 MM OD

Unit: EA Qty: 1



Part No. AM2

- Swivel blade cable insulation stripper
- Cuts the insulation in two different directions
- One cut across circumference - one cut along length of cable
- Replacement blade available AM2 BLADE
- Suitable for 6mm-2mm diameter cables

TOOLS

BLADE FOR AM2 STRIPPER

Unit: EA Qty: 1



Part No. AM2 BLADE

- Spare blade to suit the swivel blade stripper with 6-25mm O.D.
- The insulation stripper cuts the insulation in 2 different directions
- Maximum insulation strip depth is 4.7mm
- Good for orange, circular cable and larger building cable

SWIVEL BLADE STRIPPER WITH KNIFE 4-28MM

Unit: EA Qty: 1



Part No. KAM1/K

- Designed to strip circular cables
- Equipped with an adjustable depth of cut
- Unique cranked swivel blade
- 3 basic sizes for various cable ranges - knife included
- Replacement blade available KAM BLADE

SPARE BLADE FOR KAM RANGE

Unit: EA Qty: 1



Part No. KAM BLADE

- Replacement blade for the KAM range of cable strippers
- Unique cranked swivel blade
- 3 basic tool sizes for various cable ranges

SWIVEL BLADE STRIPPERS



- Designed to strip circular cables
- Equipped with an adjustable depth of cut
- Unique cranked swivel blade
- 3 basic sizes for various cable ranges
- Spare blades available

Part No.	Description	Unit	Qty
KAM1	SWIVEL BLADE STRIPPER 8-28MM	EA	1
KAM2	SWIVEL BLADE STRIPPER 28-35MM	EA	1
KAM3	SWIVEL BLADE STRIPPER 35-50MM	EA	1
KAM4-28	SWIVEL BLADE STRIPPER 4 - 28 MM OD	EA	1

CABLE SHEATH STRIPPERS

CABLE SHEATH STRIPPER

Unit: EA Qty: 1



Part No. KMS

- Cable sheath stripper for easy removal of sheath on large diameter cable
- Suitable for XLPE and other hard insulation
- Move handle up and down to walk the stripper along the cable
- Replacement blade available KMS BLADE

CABLE SHEATH STRIPPER BLADE FOR KMS

Unit: EA Qty: 1



Part No. KMS BLADE

- Spare blade for the KMS cable sheath stripper
- Easy removal of sheath on large diameter cable
- Suitable for XLPE and other hard insulation
- Move handle up and down to walk the stripper along the cable

CABLE SHEATH STRIPPER H/DUTY

Unit: EA Qty: 1

intercable



Part No. KMS-EX

- Top of the range sheath stripper supplied with case
- Designed to remove sheathing on large diam. cable
- Suitable for XLPE and other hard insulation
- Spare blades available KMS-EX BLADE

CABLE SHEATH STRIPPER BLADE

Unit: EA Qty: 1

intercable



Part No. KMS-EX BLADE

- Replacement blade for KMS-EX

D SHAPE SHEATH STRIPPER FOR UG CABLE

Unit: EA Qty: 1



Part No. MSS-DSTRIPPER

- For the safe removal of cable sheaths
- Pan head prevents damage to inner core
- Pan head prevents accidental cuts to the user
- A safer alternative to using a knife

KABIFIX CABLE STRIPPER - KB28

Unit: EA Qty: 1



Part No. 120030

- Suitable for small diameter cables
- Easy to use
- Replacement blade available 120032

KABIFIX SPARE BLADE

Unit: EA Qty: 1



Part No. 120032

- Spare blade for the Kabifix cable stripper KB28 120030
- Stripper is suitable for small diameter cables
- Cable stripper sold separately

HARD INSULATION STRIPPER - 14-40MM DIA

Unit: EA Qty: 1



Part No. BXQ-Z-40

- Specifically designed for hard insulation
- Suitable for cable diameters between 14-40mm
- Features a depth adjustment on the blade
- Blade is sharpened and heat-treated for longevity

TOOLS

SHEATH STRIPPER - HEAVY DUTY 1000V VDE

Unit: EA Qty: 1



Part No. KUS1000

- Designed to strip large diameter cables
- Shoe-type blade tip prevents inner conductor damage
- Fully insulated handle allows working on live lines up to 1000V
- Suitable for ground and multi-sheathed cable

CABLE KNIFE - 1000V VDE STRAIGHT BLADE

Unit: EA Qty: 1



Part No. KUS800

- Specially designed for cutting and stripping insulation
- 1000V VDE rating to protect user while stripping live conductor
- Both straight and curved blade available

CABLE KNIFE - 1000V VDE CURVED BLADE

Unit: EA Qty: 1



Part No. KUS900

- Specially designed for cutting and stripping insulation etc. while preparing the cable
- 1000V VDE rating to protect user while stripping live conductor
- Both straight and curved blade available

MICRO WIRE STRIPPER 0.3-1MM OD

Unit: EA Qty: 1



Part No. KUS8

- Used for stripping communication wires
- Includes 6 settings for a range of wire diameter
- Strip length gauge
- Conductor diameter: 0.3-1mm²

STRIPPER MV/HV IMS1 UNIVERSAL

Unit: EA Qty: 1



Part No. 11IC17150

- Fully adjustable stripper tool to customise the stripping of MV and HV cables
- Set length and depth of cut
- Automatic chamfer
- Cable diameter: 25-240mm²
- Replacement blade available 11IC17159

SPARE BLADES IC 17150

Unit: EA Qty: 1



Part No. 11IC17159

- Spare blade for the fully adjustable IMS1 XLPE stripper tool 11IC17150
- Customise the stripping of MV and HV cables

STRIPPER OH/LV ABC CABLE FS1 6-150MM

Unit: EA Qty: 1

intercable



Part No. 11IC17170

- Eliminates the need to use a knife or other exposed blades
- Set includes a collection of heads for various cable sizes
- Replacement blade available 11IC17179
- Decreases risk in stripping LV cables

SPARE BLADE FOR LV CABLE STRIPPER

Unit: EA Qty: 1

intercable



Part No. 11IC17179

- A spare blade for the LV cable insulation stripping tool 11IC17170

STRIPPER BONDED VULC SEMI CON 10-52MM

Unit: EA Qty: 1

intercable



Part No. 11IC17220

- For removal of the vulcanised semiconducting screen
- Extremely light due to anodised aluminium construction
- Coated contact surfaces provide low frictional resistance
- Tempered steel blade

SPARE BLADES IC 17220

Unit: EA Qty: 1

intercable



Part No. 11IC17142

- Spare blade for 11IC17220 stripper for vulcanised semiconductor layer on MV cables
- Pack of one spare blade and screw
- Suitable for vulcanised semiconductor layers on MV cables

STRIPPER XLPE IMS2 UNIVERSAL 10-52MM

Unit: EA Qty: 1

intercable



Part No. 11IC17230

- Fully adjustable XLPE stripper tool
- Compact design is ideal for use in confined spaces
- The helical or circular cut allows use at any point of cable
- Primary insulation dia. 15-52mm² Max. conductor dia. 15mm²
- Replacement blade available 11IC17232

SPARE BLADE FOR 11 IC17230

Unit: EA Qty: 1

extreme safety
PROTECTION FOR LIFE



Part No. 11IC17232

- Spare blade for the IMS2 stripper set 11IC17230

TOOLS

STRIPPER NV SEMICONDUCTOR 16-41MM AV6400

Unit: EA Qty: 1

intercable



Part No. 11ICAV6400

- Easy to use, it won't score the insulation
- Cut longitudinally, helically or circularly around the cable
- Cable size: 15-52mm OD
- Replacement blade available 11ICAV6499

SPARE BLADE FOR SEMICON STRIPPER AV6400

Unit: EA Qty: 1

intercable



Part No. 11ICAV6499

- Spare blade for semiconductor AV6400 11ICAV6400

CABLE END STRIPPERS

CABLE END STRIPPER 0.2-6.0MM

Unit: EA Qty: 1

CABAC



Part No. KUS1

- Self-adjusting ergonomic pistol design cable stripper
- Suitable for conductor 0.2-6mm²
- Will not damage conductors
- Will not leave 'Witness Marks' on insulation

GENERAL WIRE STRIPPER - DOUBLE V

Unit: EA Qty: 1

CABAC



Part No. HVKUS

- A conventional double V blade stripper
- Includes an adjustable cutting depth
- Length: 165mm
- Weight: 150g



INSULATED WIRE STRIPPER

Unit: EA Qty: 1

CABAC



Part No. IHVKUS

- A conventional double V bladed stripper with a depth adjustment
- Double insulated with 1000V VDE protection
- Simple low tech tool
- Ideal for live line use



CABLE END STRIPPER 0.5-2.2MM²

Unit: EA Qty: 1

CABAC



Part No. KUS4A

- Low cost cable stripper
- Strips fine wires
- Suitable for conductor of 0.5-2mm²
- Optional depth gauge
- Spring loaded with graduated slots

CABLE END STRIPPER 0.5-6MM

Unit: EA Qty: 1



Part No. KUS2

- Low cost cable stripper
- Built in depth gauge and adjustment for soft or hard insulation
- Good for flat cables
- Suitable for conductor of 2.5-6mm²

IDEAL STRIPMASTER 0.75 - 6MM²

Unit: EA Qty: 1



Part No. 45-092-341

- High quality, electrical conductor stripping tool for the discerning tradesman
- One step action increases productivity
- Spring-operated motion reduces user fatigue
- Precision knife blades provide clean, accurate stripping
- Suitable for conductor of 0.75-6mm²

CABLE END STRIPPER 0.75-10MM²

Unit: EA Qty: 1



Part No. KUS10

- Multi-functional cable end stripper for both flat and round cable
- Adjusting system allows quick and accurate stripping
- Strip 'pressure' adjustment
- Strips inner cable with a second action
- Suitable for conductor of 0.75-10mm²

CABLE END STRIPPER 1-3.2MM²

Unit: EA Qty: 1



Part No. KUS4

- Low cost cable stripper - spring loaded with graduated slots
- Suitable for conductor of 1.0-3.2mm²
- Built in depth gauge

COMBINATION CUTTER AND STRIPPER

Unit: EA Qty: 1



Part No. KFLEX2

- Multi-purpose tool for stripping most wires - in particular round circular flex
- Blade cuts longitudinal slit along a round flex
- Small flex strippers with 6 graduations from 0.5-5mm²
- Cutter for small flex wires and solid conductors up to 4mm²

CABLE STRIPPER 95MM ABC

Unit: EA Qty: 1



Part No. MSS-CS95

- Designed for safe sheathing stripping
- Concealed blade
- Large handle for less effort
- Suitable for 95mm ABC

TOOLS

CABLE STRIPPER 150MM ABC

Unit: EA Qty: 1



Part No. MSS-CS150

- Dedicated for safe sheath stripping
- Concealed blade
- Large handle for less effort
- Suitable for 150mm ABC

CABLE TENSIONERS

CABLE TENSIONERS

CABLE TIE TENSIONER - MAX 4.8MM

Unit: EA Qty: 1



Part No. KTT

- Efficient tensioning tool speeds up cable tie application
- Ensures correct automatic shut-off
- Eliminates sharp edges on cut ties
- Maximum tie width 4.8mm

CABLE TIE TENSIONER - MAX 7.8MM H/D

Unit: EA Qty: 1



Part No. KTT3

- Heavy-duty cable tie tensioner for heavy-duty ties
- Maximum tie width 7.8mm
- Ensures correct tension
- Provides automatic cut-off

STAINLESS STEEL CABLE TIE TENSIONER

Unit: EA Qty: 1



Part No. SSTTT2

- An affordable and robust tool developed by CABAC
- Tensions and cuts cable ties in one operation
- Adjustable tension for standard and heavy-duty ties
- Low friction to ensure reduced effort

S/STEEL TIE TENSION TOOL REPAIR KIT

Unit: EA Qty: 1



Part No. Y-SSTTT2 JAW

- Blade kit for the stainless steel cable tie tensioner SSTTT2
- General life of the pad is approximately 5,000 ties
- High quality robust kit

STAINLESS STEEL TIE TENSIONER

Unit: EA Qty: 1



Part No. SSTDT

- An affordable tool for the casual user
- Cable tie is tensioned and cut in separate operation
- Simple and lightweight design

PLIERS AND SIDE CUTTERS

STANDARD PLIERS

PROFESSIONAL ELECTRICAL PLIERS

Unit: EA Qty: 1



Part No. EP220

- Suitable for use in panel, installation wiring and line work
- Precise and patterned flat gripping tip
- Serrated, round-bar gripper

PROFESSIONAL ELECTRICIANS PLIERS/CUTTER

Unit: EA Qty: 1



Part No. EVP220

- High quality precision conductor cutter
- Manufactured to precise specification
- Suitable for panel, installation and line work
- Not suitable for steel wire
- Includes a 2.5mm² crimpdie

HIGH LEVERAGE - LINESMENS PLIER

Unit: EA Qty: 1



Part No. HLP240

- Unique, high leverage, electricians pliers
- Off-centre swivel point that creates huge gripping power
- Cutting jaws are ultra hard and will cut piano wire with ease
- Induction hardened and diamond patterned wire grip
- Specially designed for heavy-duty line work

ELECTRICAL PLIERS 1000V - 230MM HIGH LEV

Unit: EA Qty: 1



Part No. HVEP230HL

- Professional pliers made from a special high grade steel with 1000V protection
- Lightweight with an off-centre swivel for high leverage
- Ultra hard blade cuts piano wire (2.5mm) and nails (4.2mm)
- Two crimping dies for lugs/terminals up to 6mm²



GRIPPING PLIER FULLY INSULATED

Unit: EA Qty: 1



Part No. IGP

- For installing and cutting off house service meters
- Made from nylon - no metal components



INSULATED STANDARD PLIERS



- Serrated nose grip and bevelled side-cutting blades
- Drop forged vanadium steel
- 1000V insulated handles



Part No.	Description	Unit	Qty
HVEP175B	ELECTRICAL PLIERS 1000V - 175MM	EA	1
HVEP205B	ELECTRICAL PLIERS 1000V - 205MM	EA	1

TOOLS

INSULATED PLIERS



- Combination pliers with pipe grip and cutter
- Double insulated with 1000V VDE protection
- Made to DIN ISO 5746
- Chrome-plated, drop forged, vanadium steel



Part No.	Description	Unit	Qty
IHVSP165	INSULATED PLIERS 165MM	EA	1
IHVSP190	INSULATED PLIERS 190MM	EA	1
IHVSP210	INSULATED PLIERS 210MM	EA	1

INSULATED SIDE PLIERS



- Double insulated with 1000V VDE protection
- Chrome-plated, drop forged, vanadium steel
- Made to DIN ISO 5749
- Available in 160mm and 180mm lengths



Part No.	Description	Unit	Qty
IHVSC160	INSULATED SIDE CUTTER 160MM	EA	1
IHVSC180	INSULATED SIDE CUTTER 180MM	EA	1

LONG NOSE PLIERS

LONG NOSE PLIER 125MM

Unit: EA Qty: 1



Part No. KLNP125B

- For use in fine electrical data and electronic work
- Spring action for ease of work
- Dual coloured cushioned handle with finger protection



LONG NOSE PLIERS 1000V



- Long, serrated inside jaws and bevelled side-cutting blades
- Drop forged vanadium steel
- 1000V insulated handles



Part No.	Description	Unit	Qty
HVLNP150B	LONG NOSE PLIERS 1000V RATED 150MM	EA	1
HVLNP205B	LONG NOSE PLIERS 1000V RATED 205MM	EA	1

ADJUSTABLE AND LOCK PLIERS

ADJUSTABLE PLIER

Unit: EA Qty: 1



Part No. IAP

- Integrated protection against squeezing
- Box jointed
- Adjustable with 7 folds
- Chrome vanadium chrome-plated
- Jaws designed for sure grip



ADJUSTABLE PLIER 250MM - 10 INCH

Unit: EA Qty: 1



Part No. KAP250

- Professional quality adjustable pliers
- Fully polished and heat treated
- Comfortable, anti-slip grip
- Curved jaws for maximum grip and 5 adjustable positions
- Chrome vanadium steel

LOCKING PLIER 250MM - 10 INCH

Unit: EA Qty: 1



Part No. KLP250

- Professional quality
- Welded top jaw, drop forged jaw and curved jaw
- Includes wire cutter
- Hardened and tempered for longevity

STANDARD SIDE CUTTERS

SIDE CUTTER 125MM

Unit: EA Qty: 1



Part No. KSC125B

- For use in fine electrical data and electronic work
- Spring action for ease of work
- Dual coloured cushioned handle with finger protection



SIDE CUTTER 150MM - PRECISION

Unit: EA Qty: 1



Part No. KSC150B

- Small tool for precision work
- Japanese handle with non-slip knurled surface
- Weight: 200g

INSULATED SIDE CUTTERS



- Flush cutting, bevelled blades
- Suitable for cutting soft wire
- Drop forged vanadium steel
- 1000V insulated handles



Part No.	Description	Unit	Qty
HVSC150B	SIDE CUTTER 1000V RATED 150MM	EA	1
HVSC200B	SIDE CUTTER 1000V RATED 200MM	EA	1

SCREWDRIVERS

KRAFTFORM KOMPAKT HANDLE

KK 80 VARIO HANDLE 6X98

Unit: EA Qty: 1



Part No. WERA002900

- Kraftform Kompakt Vario without ratchet function
- Application: 6mm Vario double ended blades and adaptors
- 867/1 TZ TORX Bits: TX6 to TX30
- Non-roll Kraftform handle
- Multi-component with 10mm bolster

KRAFTFORM KOMPAKT COMBI BLADE

KK 82 SL/PH COMBI BLADE PH2 1X175

Unit: EA Qty: 1



Part No. WERA002923

- 82 combination blade for slotted/phillips screws
- Blade: 6 mm hexagon
- Design: Chrome-plated, black point

TOOLS

KK 87 TORX COMBI BLADE TX 30XTX 40X175

Unit: EA Qty: 1



Part No. WERA002976

- 87 Combination blade for TORX screws
- Blade: 6mm hexagon
- Design: Chrome-plated, black point

KRAFTFORM MICRO POZI FOR ELEC APPLICATIONS



- 2055 Kraftform pozidriv PZ 0 screwdriver suitable for electronics
- Chrome-plated, black point with round blade
- Suitable for pozidriv screws PZ 0
- Length: 60mm

Part No.	Description	Unit	Qty
WERA118030	2055 PZ SCREWDRIVER ELECT APP 0.6X3.0X97	EA	1
WERA118032	2055 PZ SCREWDRIVER ELECT APP 80X4.0X97	EA	1

KRAFTFORM MICRO SCREWDRIVER SET

1578 A/6 MICRO SCREWDRIVER 6PC BOXED ESD

Unit: EA Qty: 1



Part No. WERA030170

- Slotted and phillips screws
- Content: 6-piece set and rack in display carton
- 1578 A micro slotted 1.5x40 1.2x40 1.8x60 2.5x80
- 1550 PH Micro PH 0x60 PH 1x80

KRAFTFORM PLUS SERIES 300 375 TRI-WING



- Application: TRI-WING screws
- Round blade
- Chrome-plated, black point
- Kraftform with non-roll feature, multi-component

Part No.	Description	Unit	Qty
WERA028118	375 TRI-WING NONINS SCREWDRIVER 1X80	EA	1
WERA028120	375 TRI-WING NONINS SCREWDRIVER 2X80	EA	1
WERA028122	375 TRI-WING NONINS SCREWDRIVER 3X80	EA	1

334/6 KRAFTFORM PLUS LASERT 6PC RACK SET

Unit: EA Qty: 1



Part No. WERA105650

- Kraftform 334/6 6-piece screwdriver set with rack
- Slotted and phillips screwdriver set
- Lasertip, round blade with non-roll feature
- Includes a wall mount rack

KRAFTFORM SCREWDRIVER SET SS 3334/6

3334/6 STAINLESS STEEL 6PCE IN RACK

Unit: EA Qty: 1



Part No. WERA032060

- Kraftform 3334/6 stainless steel 6-piece screwdriver set
- Stainless steel, lasertip, screwdriver set
- Includes a wall-mount rack
- Suitable for phillips and slotted screws

KP 345 VSM SL SCREWDRIVER 2X100

Unit: EA Qty: 1



Part No. WERA008720

- Kraftform 350 phillips head screwdrivers
- Chrome-plated, lasertip PH 2
- Round blade with non-roll handle
- Length: 100mm

WERA RATCHET SCREWDRIVER 816 RA

816 RA RATCHET SCREWDRIVER

Unit: EA Qty: 1



Part No. WERA051461

- Ratchet, fine-tooth design for minimal return angle
- Kraftform handle with non-roll feature, multi-component
- Switchover ring (right, locked, left)
- Chuck-all and single-hand function for rapid bit change

ESD/11 SB KK MICRO 11PC POUCH

Unit: EA Qty: 1



Part No. WERA073670

- ESD-safe tools
- Pouch with 44mm bits
- 11-piece set

KRAFTFORM MICRO SLOTTED



- Three-zone design concept distinctly reduces fastening times and lowers cost of each screw connection
- The superior screwdriver for electronics technicians
- Suitable for slotted screws
- Chrome-plated, black point

Part No.	Description	Unit	Qty
WERA117990	2038 SL SCREWDRIVER ELECT APP 0.16X0.8X40	EA	1
WERA117993	2039 SL SCREWDRIVER ELECT APP 0.3X1.8X40	EA	1
WERA117995	2036 SL SCREWDRIVER ELECT APP 0.5X3.0X50	EA	1
WERA118002	2037 SL SCREWDRIVER ELECT APP 0.23X1.5X40	EA	1
WERA118005	2040 SL SCREWDRIVER ELECT APP 0.4X2.0X40	EA	1
WERA118012	2035 SL SCREWDRIVER ELECT APP 0.6X3.5X80	EA	1

KRAFTFORM SERIES 7400 VDE TORQUE

7400 VDE7441 ADJ KRAFTFORM TORQUE HANDLE

Unit: EA Qty: 1



Part No. WERA074750

- Versatile tools for work on live wiring
- System handle and interchangeable blades
- Suitable for Wera Kraftform Kompakt VDE blades only
- Kraftform with non-roll feature, multi-component

KRAFTFORM KOMPAKT VDE SETS

KK 817 VDE60 7 PCE KIT PH/SL

Unit: EA Qty: 1



Part No. WERA003470

- Insulated Kraftform Kompakt, non-roll
- Includes insulated, interchangeable handle blades
- Versatile tools for work on live wiring
- Easily inserted or released

TOOLS

KK 817 VDE 60 I/62 I/65 18 PCE KIT

Unit: EA Qty: 1



Part No. WERA003471

- Bit holder features an insulated handle
- Selection of insulated interchangeable blades which can be inserted quickly and easily
- Versatile tools for work on live wiring
- Hand-held bit holder and single-pole voltage tester
- 18-piece set

KK 817 VDE 60 I/65 7 PCE KIT PH/PZ

Unit: EA Qty: 1



Part No. WERA003472

- Versatile tools for work on live wiring
- Includes an insulated handle and a selection of blades
- 7-piece set

KK 817 VDE60 I/65 7 PCE KIT PH/SQ

Unit: EA Qty: 1



Part No. WERA003473

- Includes an insulated handle and a selection of insulated interchangeable blades
- Easily inserted or released
- Versatile tools for work on live wiring
- Hand-held bit holder
- 7-piece set

KK 7400 VDE TORQUE BIT SET 1.2-3.0 NM

Unit: EA Qty: 1



Part No. WERA059291

- System handle and interchangeable blades for better working results
- Versatile tools for work on live wiring
- 15-Piece Set

KRAFTFORM PLUS SERIES 100 VDE RB PHILLIPS

- Considered the safety screwdriver when working with live wiring
- Enable a higher transfer of force with less effort
- Reduced blade diameter allows access to sunken screws
- Handle has non-roll feature, multi-component



Part No.	Description	Unit	Qty
WERA006450	162I VDE INS PH SCREWDRIVER 1X80	EA	1
WERA006451	162I VDE INS PH SCREWDRIVER 2X100	EA	1

INSULATED SETS

SCREW DRIVER SET 8PCE 1000V VDE 2009

Unit: EA Qty: 1



Part No. HVSDK5

- Fully insulated shafts designed, tested and compliant to VDE, GS and EN/IEC60900 standard for full 1000V protection
- Soft grip and sturdy handles
- Blade made from high grade alloy steel
- Can be purchased individually or as a set



1000V SCREWDRIVER KIT 8 PIECE 2009

Unit: EA Qty: 1



Part No. HVSDK6

- Fully insulated shafts designed, tested and compliant to VDE, GS and EN/IEC60900 standard
- Full 1000V protection
- Soft grip and sturdy handles
- Blade made from high grade alloy steel
- Supplied in a handy plastic storage box
- 8-piece set



KRAFTFORM PLUS SERIES 100 VDE HEX

164I VDE INS HEX SCREWDRIVER 2.5X80

Unit: EA Qty: 1



Part No. WERA004650

- Enable a higher transfer of force with less effort
- Suitable for hexagon socket screws
- Handle has non-roll feature, multi-component



KRAFTFORM STAINLESS STEEL VDE SETS

3160 I/7 PCE VDE SCREWDRIVER 7 PC SET SS

Unit: EA Qty: 1



Part No. WERA022728

- Safety screwdriver for stainless steel screws
- Supplied with a voltage tester and rack
- For Slotted and Phillips screws
- 7 piece set



KRAFTFORM KOMPAKT VDE RB PHILLIPS



- Reduced blade diameter with integrated protective insulation
- Sunken PH screws can be accessed and actuated
- Drive: 9mm hexagonal with entry chamfer
- Zinc-phosphated, black point



Part No.	Description	Unit	Qty
WERA003413	KK 62IS VDE INS SLIM PH 1X154	EA	1
WERA003414	KK 62IS VDE INS SLIM PH 2X154	EA	1

KRAFTFORM PLUS SERIES 100 VDE RB POZI



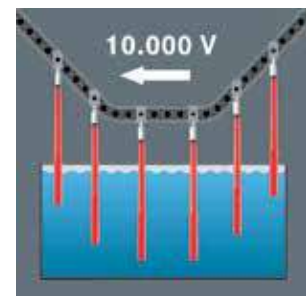
- Considered the safety screwdriver when working with live wiring
- Enables a higher transfer of force with less effort
- Suitable for pozi screws
- Handle has non-roll feature, multi-component



Part No.	Description	Unit	Qty
WERA006460	165IS VDE INS PZ SCREWDRIVER 1X80	EA	1
WERA006461	165IS VDE INS PZ SCREWDRIVER 2X100	EA	1
WERA006465	165IS VDE INS PZ SCREWDRIVER 1X80	EA	1

Wera Kraftform Plus - Series 100 VDE

The Safety Screwdriver when working with live wiring



1000 V
EN 60900



5-piece screwdriver set and rack with individually tested, insulated screwdrivers as per IEC 60900. Individual testing in a water bath at 10,000 volts so as to ensure safe working at the permitted voltage of 1,000 volts.

Kraftform Plus handle for pleasant, ergonomic working that makes blisters and calluses a thing of the past.

Hard gripping zones for high working speeds whereas soft zones ensure high torque transfer.

The anti-roll feature prevents any bothersome rolling away at the workplace.

Partially Lasertip: the tip literally bites itself into the screw head and prevents any slipping.

The safety screwdriver with reduced blade diameter and rack

APPLICATION: Slotted and Phillips screws

CONTENT: 5-piece set and rack in display carton

INCLUDES:

- SL Screwdrivers: 1x0,6x3,5x100; 1x0,8x4,0x100; 1x1,0x5,5x125
- PH Screwdrivers: 1xPH 1x80, 1xPH 2x100
- Rack

Part No. WERA321000

KRAFTFORM PLUS SERIES 100 VDE SETS

162I VDE INS PH/SL CIRCUIT BREAKER 2PC

Unit: EA Qty: 1



Part No. WERA073600

- Suitable for use in terminal blocks, control cabinets, switches and relays
- 2 VDE screwdrivers with phillips blades

165I PZ VDE KIT 1+2 SCREWDRIVER SET

Unit: EA Qty: 1



Part No. WERA073601

- PlusMinus for work on terminal screws
- Enable a higher transfer of force with less effort
- 2-piece set in display pack

160IS VDE SLIM 5 PCE BOX SET AND BOPEN

Unit: EA Qty: 1



Part No. WERA321000

- Extra slim reduced blade diameter
- Ergonomic Kraftform handle

KRAFTFORM STAINLESS STEEL VDE PHILLIPS

- Kraftform 3162 I PH VDE stainless steel insulated phillips screwdriver
- Insulated blade, IEC 60900 tested
- Stainless steel, lasertip with non-roll feature



Part No.	Description	Unit	Qty
WERA022733	3162I VDE INS PH SCREWDRIVER SS 1 X 80	EA	1
WERA022734	3162I VDE INS PH SCREWDRIVER SS 2 X 100	EA	1

WERA INSULATED

KK VDE 60IS/65IS/67IS 16PCE

Unit: EA Qty: 1



Part No. WERA003484

- Bit holder features an insulated handle and a selection of insulated interchangeable blades which can be inserted quickly and easily
- Versatile tools for work on live wiring
- Hand-held bit holder and single-pole Voltage Tester
- 16-piece set

164I VDE INS HEX SCREWDRIVER 3X80

Unit: EA Qty: 1



Part No. WERA004655

- Kraftform VDE 164 I hexagon socket screwdriver
- Insulated blade, IEC 60900 tested
- 3mm hexagonal with non-roll feature
- Black, zinc-phosphate point
- Length: 80mm

TOOLS

168I VDE INS SQ SCREWDRIVER 3X150

Unit: EA Qty: 1



Part No. WERA004782

- Kraftform VDE 168 I VDE insulated square socket screwdriver
- Insulated blade, IEC 60900 tested
- Square socket with non-roll feature
- Black, zinc-phosphate point
- Length: 150mm

247 VDE SNG POLE VOLT TEST DRIVER 0.5X3

Unit: EA Qty: 1



Part No. WERA005655

- A neon indicator for voltage testing
- Fully sealed to prevent tampering
- Dimensions: 3 x 70mm
- Resistor protection for safety

160 I/7 VDE KRAFTFORM PLUS INC VT 7PC

Unit: EA Qty: 1



Part No. WERA006147

- Kraftform 160 I/7 7-piece rack screwdriver set
- Safety screwdriver with voltage tester and wall-mount rack
- Lasertip with non-roll feature

KK 817 VDE 60I 17PCS SET

Unit: EA Qty: 1



Part No. WERA059030

- 2x 817 VDE Kraftform handles
- Interchangeable blades for ease of use
- Blades 154 mm long
- 17 piece set

967 SPKL TORX BO TP COLOURED HEX KEYS 9P

Unit: EA Qty: 1



Part No. WERA073599

- Colour-coding and size marking for quick identification
- Magnetizer/demagnetizer built into the holder
- Suits torx screws and security torx screws with a pin

160IS VDE SLIM 7 PCE BOX SET

Unit: EA Qty: 1



Part No. WERA135961

- Screwdriver set with reduced blade diameter and smaller handle diameter
- Slotted, phillips, PlusMinus screws (pozidriv/slotted)
- 7-piece box set



KRAFTFORM KOMPAKT INTERCHANGEABLE BLADES



- Kraftform Kompakt VDE 62 I screwdriver
- Insulated blade, IEC 60900 tested
- Hexagonal 9mm with entry chamfer
- Black, zinc-phosphate point
- Length: 154mm

Part No.	Description	Unit	Qty
WERA003411	KK 62I VDE INTERCHANGE BLADE PH 1 X 154	EA	1
WERA003412	KK 62I VDE INTERCHANGE BLADE PH 2 X 154	EA	1
WERA003415	KK 68I VDE INTERCHANGE BLADE SQ 1 X 154	EA	1
WERA003416	KK 68I VDE INTERCHANGE BLADE SQ 2 X 154	EA	1
WERA003445	KK 65I VDE INTERCHANGE BLADE P/M PZ1X154	EA	1
WERA003446	KK 65I VDE INS PZ/SL SCREWDRIVER 2X154	EA	1

KRAFTFORM 1651 VDE POZI



- Kraftform 165 I PZ VDE insulated pozidriv screwdriver
- Insulated blade, IEC 60900 tested
- Lasertip with non-roll feature
- Length: 100mm



Part No.	Description	Unit	Qty
WERA006164	165I VDE INS PZ SCREWDRIVER 2X100	EA	1
WERA006165	165I VDE INS PZ SCREWDRIVER 2X200	EA	1
WERA006166	165I VDE INS PZ SCREWDRIVER 3X150	EA	1

KRAFTFORM KOMPAKT VDE PM RB SLOTTED PHILLIPS



- Reduced blade diameter with integrated protective insulation
- Sunken PlusMinus screws can be accessed and actuated
- Hexagonal 9mm with entry chamfer
- PlusMinus, slotted/phillips, zinc-phosphated, black point



Part No.	Description	Unit	Qty
WERA003442	KK 62IS VDE INS PH/S PL/MI SLIM 1X154	EA	1
WERA003443	KK 62IS VDE INS PH/S PL/MI SLIM 2X154	EA	1

KRAFTFORM PLUS SERIES 100 VDE RB SLOTTED



- Considered the safety screwdriver when working with live wiring
- Enables higher transfer of force with less effort
- Slotted screws and actuating tool for spring terminals
- Handle has non-roll feature, multi-component



Part No.	Description	Unit	Qty
WERA006440	160 IS VDE INS SL SCREWDRIVER 06X35X1	EA	1
WERA006441	160 IS VDE INS SL SCREWDRIVER 08X40X1	EA	1
WERA006442	159 IS VDE INS SL SCREWDRIVER 10X55X1	EA	1

TOOLS

KRAFTFORM PLUS SERIES 100 VDE NUTDRIVERS



- Considered the safety screwdriver when working with live wiring
- Enables higher transfer of force with less effort
- Suitable for hexagon headed bolts, screws and nuts
- Handle has non-roll feature, multi-component



Part No.	Description	Unit	Qty
WERA005305	190I VDE INS NUTDRIVER 6.0X125	EA	1
WERA005310	190I VDE INS NUTDRIVER 7.0X125	EA	1
WERA005315	190I VDE INS NUTDRIVER 8.0X125	EA	1
WERA005320	190I VDE INS NUTDRIVER 9.0X125	EA	1
WERA005325	190I VDE INS NUTDRIVER 10.0X125	EA	1
WERA005330	190I VDE INS NUTDRIVER 11.0X125	EA	1
WERA005335	190I VDE INS NUTDRIVER 12.0X125	EA	1
WERA005340	190I VDE INS NUTDRIVER 13.0X125	EA	1

KRAFTFORM STAINLESS STEEL VDE SLOTTED



- Kraftform 3160 I VDE stainless steel insulated slotted screwdriver set
- Insulated blade, IEC 60900 tested
- 0.5mm point
- Length: 80mm



Part No.	Description	Unit	Qty
WERA022729	3160I VDE INS SL SDRIVER SS 0.5X3.0X80	EA	1
WERA022730	3160I VDE INS SL SDRIVER SS 0.6X3.5X100	EA	1
WERA022731	3160I VDE INS SL SDRIVER SS 0.8X4.0X100	EA	1
WERA022732	3160I VDE INS SL SDRIVER SS 1.0X5.5X125	EA	1

SETS

SCREWDRIVER FOR EXCHGBLE BITS 220MM LONG

Unit: EA Qty: 1



- Part No. IDH220**
- Double insulated screwdriver
 - 1000V protection
 - Suited for exchangeable bits



SCREWDRIVER SET - PRECISION 7 PIECE

Unit: EA Qty: 1

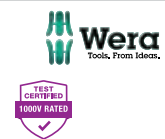


- Part No. PSDK1**
- A precision kit containing 7 screwdrivers - flat, phillips and torq
 - Swivel top handles for ease of use
 - Supplied in handy plastic box with compartments for easy storage

KRAFTFORM KOMPAKT VDE PM SLOTTED POZI



- Reduced blade diameter with integrated protective insulation
- Enables sunken PlusMinus screws to be accessed and actuated
- Hexagonal 9mm with entry chamfer
- PlusMinus, slotted/pozidriv, zinc-phosphated, black point



Part No.	Description	Unit	Qty
WERA003447	KK 65IS VDE INS PH/S PL/MI SLIM 1X154	EA	1
WERA003448	KK 65IS VDE INS PH/S PL/MI SLIM 2X154	EA	1

KRAFTFORM PLUS SERIES 100 VDE SLOTTED



- Considered the safety screwdriver when working with live wiring
- Enables a higher transfer of force with less effort
- Suitable for slotted screws
- Handle has non-roll feature, multi-component
- Available in a range of sizes

Part No.	Description	Unit	Qty
WERA006100	160I VDE INS SL SCREWDRIVER 0.4X2.5X80	EA	1
WERA006105	160I VDE INS SL SCREWDRIVER 0.5X3.0X100	EA	1
WERA006110	160I VDE INS SL SCREWDRIVER 0.6X3.5X100	EA	1
WERA006115	160I VDE INS SL SCREWDRIVER 0.8X4.0X100	EA	1
WERA006116	160I VDE INS SL SCREWDRIVER 0.8X4.0X150	EA	1
WERA006120	160I VDE INS SL SCREWDRIVER 1.0X5.5X125	EA	1
WERA006121	160I VDE INS SL SCREWDRIVER 1.0X5.5X200	EA	1
WERA006125	160I VDE INS SL SCREWDRIVER 1.2X6.5X150	EA	1
WERA006126	160I VDE INS SL SCREWDRIVER 1.2X6.5X200	EA	1
WERA006130	160I VDE INS SL SCREWDRIVER 1.2X8X175	EA	1
WERA006135	160I VDE INS SL SCREWDRIVER 1.6X8X200	EA	1
WERA006140	160I VDE INS SL SCREWDRIVER 1.6X10X200	EA	1

INSULATED PHILLIPS SCREWDRIVERS



- Fully insulated shafts designed, tested and compliant to VDE, GS and EN/IEC60900 standard
- Full 1000V protection
- Soft grip and sturdy handle
- Blade made from high grade alloy steel
- Can be purchased individually or as a set

Part No.	Head Width (mm)	Shaft Length (mm)	Overall Length (mm)	Unit	Qty
HVS5-60P	SIZE 0	60	150	EA	1
HVS5-80P	SIZE 1	80	185	EA	1
HVS5-100P	SIZE 2	100	215	EA	1

KRAFTFORM PLUS SERIES 100 VDE PHILLIPS



- Considered the safety screwdriver when working with live wiring
- Enables a higher transfer of force with less effort
- Suitable for phillips screws
- Handle has non-roll feature, multi-component
- Available in a range of sizes

Part No.	Description	Unit	Qty
WERA006150	162I VDE INS PH SCREWDRIVER 0X80	EA	1
WERA006152	162I VDE INS PH SCREWDRIVER 1X80	EA	1
WERA006153	162I VDE INS PH SCREWDRIVER 1X150	EA	1
WERA006154	162I VDE INS PH SCREWDRIVER 2X100	EA	1
WERA006159	162I VDE INS PH SCREWDRIVER 2X200	EA	1
WERA006156	162I VDE INS PH SCREWDRIVER 3X150	EA	1
WERA006158	162I VDE INS PH SCREWDRIVER 4X200	EA	1

INSULATED SLOTTED SCREWDRIVERS



- Fully insulated shafts designed, tested and compliant to VDE, GS and EN/IEC60900 standard
- Full 1000V protection
- Soft grip and sturdy handle
- Blade made from high grade alloy steel
- Can be purchased individually or as a set

Part No.	Head Width (mm)	Shaft Length (mm)	Overall Length (mm)	Unit	Qty
HVS5-75S	3.5	75	160	EA	1
HVS5-100SB	4	100	205	EA	1
HVS5-125S	5.5	125	230	EA	1
HVS5-150S	6.5	150	265	EA	1

TOOLS

KRAFTFORM KOMPAKT VDE RB POZI



- Reduced blade diameter with integrated protective insulation
- PZ screws can be accessed and actuated
- Hexagonal 9mm with entry chamfer
- Zinc-phosphated, black point

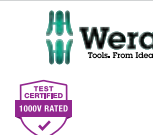


Part No.	Description	Unit	Qty
WERA003455	KK 65IS VDE INS SLIM PZ 1X154	EA	1
WERA003456	KK 65IS VDE INS SLIM PZ 2X154	EA	1

KRAFTFORM PLUS SERIES 100 VDE SQUARE



- Considered the safety screwdriver when working with live wiring
- Enables a higher transfer of force with less effort
- Suitable for square socket head screws
- Handle has non-roll feature, multi-component



Part No.	Description	Unit	Qty
WERA004780	168I VDE INS SQ SCREWDRIVER 1X80	EA	1
WERA004783	168I VDE INS SQ SCREWDRIVER 1X150	EA	1
WERA004781	168I VDE INS SQ SCREWDRIVER 2X100	EA	1
WERA004784	168I VDE INS SQ SCREWDRIVER 2X200	EA	1

SPECIAL PURPOSE AND ACCESSORIES

1440/1442 SCREW GRIPPER SET

Unit: EA Qty: 1



Part No. WERA073680

- Indispensable aids for screw driving jobs
- Attachment with holding function for screws
- Holds all screw profiles and sizes securely on the tool

WERA EMPTY PENCIL CASE

Unit: EA Qty: 1



Part No. WERA671271

- Zips closed
- Window for easy tool identification

KK KRAFTFORM KOMPAKT

Unit: EA Qty: 1



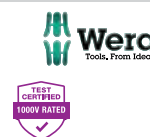
Part No. WERA671386

- Pouch for Kraftform Kompakt 20 sets

KRAFTFORM PLUS SERIES 100 VDE PM SL/PZ



- PlusMinus for work on terminal screws
- Enables a higher transfer of force with less effort
- Suitable for PlusMinus screws Pozzi/Slotted
- Kraftform handle with non-roll feature, multi-component



Part No.	Description	Unit	Qty
WERA006190	165IS VDE INS PZ/S PLUS MINUS 1X80	EA	1
WERA006191	165IS VDE INS PH/S PLUS MINUS 2X100	EA	1
WERA006380	162IS VDE INS PH/S PLUS MINUS 1X80	EA	1
WERA006381	162IS VDE INS PH/S PLUS MINUS 2X100	EA	1

KRAFTFORM COMFORT PHILLIPS



- Non-Insulated
- Professional quality screwdriver
- Ergonomic, multi-component handle with non-roll feature
- Available in a range of sizes



Part No.	Description	Unit	Qty
WERA031440	1353 PH SCREWDRIVER 0X60	EA	1
WERA031441	1351 PH SCREWDRIVER 1X80	EA	1
WERA031442	1354 PH SCREWDRIVER 1X200	EA	1
WERA031444	1350 PH SCREWDRIVER 2X100	EA	1
WERA031445	1352 PH SCREWDRIVER 2X200	EA	1
WERA031446	1355 PH SCREWDRIVER 2X300	EA	1
WERA031448	1356 PH SCREWDRIVER 4X200	EA	1

KRAFTFORM KOMPAKT VDE RB SLOTTED



- Reduced blade diameter with integrated protective insulation
- Suitable for slotted screws
- Sunken screws and spring elements are accessed and actuated easily
- Hexagonal 9mm with entry chamfer

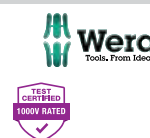


Part No.	Description	Unit	Qty
WERA003406	KK 60IS VDE INS SLIM SL 0.6X3.5	EA	1
WERA003407	KK 60IS VDE INS SLIM SL 0.8X4.0	EA	1
WERA003408	KK 60IS VDE INS SLIM SL 1.0X5.5	EA	1

KRAFTFORM PLUS SERIES 100 VDE TORX



- Considered the safety screwdriver when working with live wiring
- Enables a higher transfer of force with less effort
- Suitable for TORX socket screws
- Individually tested as per IEC 60900:2004



Part No.	Description	Unit	Qty
WERA006182	167I VDE INS TORX SCREWDRIVER TX6	EA	1
WERA006184	167I VDE INS TORX SCREWDRIVER TX8	EA	1
WERA006170	167I VDE INS TORX SCREWDRIVER TX10	EA	1
WERA006172	167I VDE INS TORX SCREWDRIVER TX15	EA	1
WERA006174	167I VDE INS TORX SCREWDRIVER TX20	EA	1
WERA006176	167I VDE INS TORX SCREWDRIVER TX25	EA	1
WERA006178	167I VDE INS TORX SCREWDRIVER TX30	EA	1
WERA006179	167I VDE INS TORX SCREWDRIVER TX40	EA	1

TOOLS

KRAFTFORM COMFORT POZI



- Non-insulated
- Professional quality screwdriver
- Ergonomic multi-component handle for ease of use

Part No.	Description	Unit	Qty
WERA031460	1356 PZ SCREWDRIVER 0X60	EA	1
WERA031461	1357 PZ SCREWDRIVER 1X80	EA	1
WERA031463	1355 PZ SCREWDRIVER 2X100	EA	1

KRAFTFORM PLUS SERIES 100 VDE PM RB PH/SL



- Suitable for PlusMinus screws (Phillips/Slotted)
- Reduced blade diameter with integrated protective insulation
- Allows access to sunken PlusMinus screws
- Individually tested as per IEC 60900



Part No.	Description	Unit	Qty
WERA006455	162IS VDE INS PH/S PLUS MINUS RB 1X80	EA	1
WERA006456	162IS VDE INS PH/S PLUS MINUS RB 2X100	EA	1

1334 SL SCREWDRIVER 1.2X8.0X175

Unit: EA Qty: 1



Part No. WERA031425

- Non-insulated
- Professional quality screwdriver
- Ergonomic multi-component handle for ease of use

KRAFTFORM COMFORT SLOTTED



- Non-insulated
- Professional quality screwdriver
- Ergonomic multi-component handle for ease of use

Part No.	Description	Unit	Qty
WERA031400	1335 SL SCREWDRIVER 0.4X2.0X60	EA	1
WERA031401	1335 SL SCREWDRIVER 0.4X2.5X75	EA	1
WERA031402	1335 SL SCREWDRIVER 0.5X3.0X80	EA	1
WERA031403	1335 SL SCREWDRIVER 0.5X3.0X150	EA	1
WERA031404	1335 SL SCREWDRIVER 0.5X3.0X200	EA	1
WERA031405	1335 SL SCREWDRIVER 0.6X3.5X100	EA	1
WERA031407	1335 SL SCREWDRIVER 0.6X3.5X200	EA	1
WERA031408	1335 SL SCREWDRIVER 0.8X4.0X100	EA	1
WERA031410	1335 SL SCREWDRIVER 0.8X4.0X200	EA	1
WERA031411	1335 SL SCREWDRIVER 0.8X4.0X300	EA	1
WERA031412	1335 SL SCREWDRIVER 1.0X5.5X125	EA	1
WERA031415	1335 SL SCREWDRIVER 1.0X5.5X300	EA	1

KRAFTFORM KOMPAKT VDE RB SQUARE



- Suitable for square socket head screws
- Reduced blade diameter with integrated protective insulation
- Sunken square socket head screws to be accessed and actuated
- Hexagonal 9mm with entry chamfer



Part No.	Description	Unit	Qty
WERA003417	KK 68IS VDE INS SQ SOCKET SLIM 1X154	EA	1
WERA003418	KK 68IS VDE INS SQ SOCKET SLIM 2X154	EA	1

KRAFTFORM 900 SETS

KP 932/6 P900 CHISELDRIVER 6PCE

Unit: EA Qty: 1



Part No. WERA018282

- Chisel driver fastens and chisels
- Suitable for slotted and phillips screws
- 6-piece set and rack supplied in a display carton

1734 KRAFTFORM CLASSIC 6PCE BOX SET

Unit: EA Qty: 1



Part No. WERA031280

- Kraftform 932/6 6-piece chisel driver and rack set
- Slotted and phillips screwdriver set
- Impact cap, pound through blade with non-roll feature

KRAFTFORM COMFORT VDE PHILLIPS



- Suitable for phillips screws
- Insulated blade individually tested as per IEC 60900 : 2004
- Handle has non-roll feature, multi-component



Part No.	Description	Unit	Qty
WERA031600	1162I VDE INS PH SCREWDRIVER 0 X 80	EA	1
WERA031601	1162I VDE INS PH SCREWDRIVER 1 X 80	EA	1
WERA031603	1162I VDE INS PH SCREWDRIVER 2 X 100	EA	1
WERA031605	1162I VDE INS PH SCREWDRIVER 3 X 150	EA	1
WERA031606	1162I VDE INS PH SCREWDRIVER 4 X 200	EA	1

KRAFTFORM PLUS SERIES 100 VDE PM RB PZ/SL

165IS VDE INS PH/S PLUS MINUS RB 2X100

Unit: EA Qty: 1



Part No. WERA006466

- PlusMinus for work on terminal screws
- Enables a higher transfer of force with less effort
- Suitable for PlusMinus screws pozi/slotted
- Kraftform handle with non-roll feature, multi-component

TOOLS

KRAFTFORM COMFORT VDE POZI



- Suitable for pozi screws
- Insulated blade individually tested as per IEC 60900 : 2004
- Handle has non-roll feature, multi-component

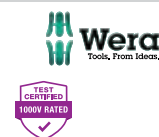


Part No.	Description	Unit	Qty
WERA031610	1165I VDE INS PZ SCREWDRIVER 0X80	EA	1
WERA031611	1165I VDE INS PZ SCREWDRIVER 1X80	EA	1
WERA031613	1165I VDE INS PZ SCREWDRIVER 2X100	EA	1
WERA031615	1165I VDE INS PZ SCREWDRIVER 3X150	EA	1

KRAFTFORM KOMPAKT VDE SWITCH



- Versatile tools for work on live wiring
- Glass-fibre reinforced



Part No.	Description	Unit	Qty
WERA003460	KK 96 VK VDE SWITCH CABINET KEY 6.3X89	EA	1
WERA003461	KK 97 VK VDE SWITCH CABINET KEY 8.1X89	EA	1
WERA003462	KK 98 DK VDE SWITCH CABINET KEY 89MM	EA	1
WERA003463	KK 99 FL VDE SWITCH CABINET KEY 89MM	EA	1

KRAFTFORM PLUS SERIES 900 SLOTTED



- Chisel driver fastens, chisels and loosens seized screws or clamps
- Suitable for slotted screws
- Hexagonal blade throughout with impact cap



Part No.	Description	Unit	Qty
WERA018260	KP 932A CHISEL DRIVER SL 0.6X3.5X80	EA	1
WERA018262	KP 932A CHISEL DRIVER SL 0.8X4.5X90	EA	1
WERA018264	KP 932A CHISEL DRIVER SL 1.0X5.5X100	EA	1
WERA018266	KP 932A CHISEL DRIVER SL 1.2X7.0X125	EA	1
WERA018268	KP 932A CHISEL DRIVER SL 1.6X9.0X150	EA	1
WERA018270	KP 932A CHISEL DRIVER SL 1.6X10.0X175	EA	1
WERA018272	KP 932A CHISEL DRIVER SL 2.0X12.0X200	EA	1
WERA018274	KP 932A CHISEL DRIVER SL 2.5X14.0X250	EA	1

1160I SDRIVER 7 SET KRAFT VDE AND TESTER



- Part No. WERA031575**
- Suitable for slotted and phillips screws
 - 7-piece set in display carton
 - Includes AC Voltage Detector: SL 1x0,5x3,0x65

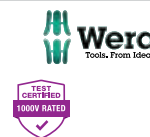
Unit: EA Qty: 1



KRAFTFORM COMFORT VDE SLOTTED



- Suitable for slotted screws
- Insulated blade individually tested as per IEC 60900 : 2004
- Handle has non-roll feature, multi-component



Part No.	Description	Unit	Qty
WERA031580	1160I VDE INS SL SCREWDRIVER 04X25X80	EA	1
WERA031581	1160I VDE INS SL SCREWDRIVER 05X30X10	EA	1
WERA031582	1160I VDE INS SL SCREWDRIVER 06X35X10	EA	1
WERA031583	1160I VDE INS SL SCREWDRIVER 08X40X10	EA	1
WERA031585	1160I VDE INS SL SCREWDRIVER 1.0X5.5X200	EA	1
WERA031589	1160I VDE INS SL SCREWDRIVER 1.2X8.0X175	EA	1
WERA031590	1160I VDE INS SL SCREWDRIVER 1.6X8.0X200	EA	1
WERA031591	1160I VDE INS SL SCREWDRIVER 1.6X10X200	EA	1
WERA031587	1160I VDE INS SL SCREWDRIVER 10X55X125	EA	1
WERA031588	1160I VDE INS SL SCREWDRIVER 12X65X150	EA	1

KRAFTFORM PLUS SERIES 100 VDE POZI



- Insulated, individually tested as per IEC 60900
- Kraftform handle with non-roll feature, multi-component
- Suitable for pozidriv screws



Part No.	Description	Unit	Qty
WERA006160	165I VDE INS PZ SCREWDRIVER 0X80	EA	1
WERA006162	165I VDE INS PZ SCREWDRIVER 1X80	EA	1
WERA006163	165I VDE INS PZ SCREWDRIVER 1X150	EA	1
WERA006168	165I VDE INS PZ SCREWDRIVER 4X200	EA	1

KRAFTFORM KOMPAKT VDE BIT HOLDER

KK 817 VDE BIT HOLDER 9X102

Unit: EA Qty: 1



- Part No. WERA003990**
- Versatile tools for work on live wiring
 - Suitable for interchangeable VDE blades only
 - Kraftform handle with non-roll feature, multi-component



KRAFTFORM KOMPAKT VDE TORX



- Reduced blade diameter with integrated protective insulation
- Sunken TORX socket screws to be accessed and actuated
- Hexagonal 9mm with entry chamfer
- Zinc-phosphated, black point



Part No.	Description	Unit	Qty
WERA003437	KK 67IS VDE TORX TX 15X154	EA	1
WERA003438	KK 67IS VDE TORX TX 20X154	EA	1
WERA003439	KK 67IS VDE TORX TX 25X154	EA	1

KRAFTFORM 7400 TORQUE

KK 7400 TORQUE SCREWDRIVER 0.3-1.2

Unit: EA Qty: 1



- Part No. WERA074700**
- Quick-release chuck with single-hand technology
 - Easy torque adjustment without special tools
 - Includes a 1/4 inch bit



TOOLS

7443 40-88 NM PISTOL TORQUE SCREWDRIV

Unit: EA Qty: 1



Part No. WERA074705

- Series 7400 Kraffform pistol grip with adjustable torque screwdrivers
- Rapidaptor quick-release chuck
- Suitable for 1/4 inch hexagon insert bits
- Audible excess-load signal
- Kraffform pistol grip handle, multi-component

KRAFFFORM KOMPAKT VDE HEX



- Versatile tools for work on live wiring
- Suitable for hexagon socket screws
- Hexagonal 9mm with entry chamfer
- Zinc-phosphated, black point



Part No.	Description	Unit	Qty
WERA003420	KK 64I VDE INS HEX SOCKET 2.5X154	EA	1
WERA003421	KK 64I VDE INS HEX SOCKET 3.0X154	EA	1
WERA003422	KK 64I VDE INS HEX SOCKET 4.0X154	EA	1
WERA003423	KK 64I VDE INS HEX SOCKET 5.0X154	EA	1
WERA003424	KK 64I VDE INS HEX SOCKET 6.0X154	EA	1

KRAFFFORM KOMPAKT SETS

KK 25 BAYONET DRIVER 6 PCE IN POUCH

Unit: EA Qty: 1



Part No. WERA051024

- Telescopic blade retracts into handle
- Can be removed and attached to a power tool as a bit holder
- Suitable as an integrated bit magazine
- Rapidaptor technology ensures rapid bit changes
- Handle has non-roll feature, multi-component

KK 26 BAYONET DRIVER 6 PCE IN POUCH

Unit: EA Qty: 1



Part No. WERA051025

- Suitable for 1/4 inch
- Kraffform handle with non-roll feature

8000 A ZYKLOP RATCHET SET 26PC 1/4

Unit: EA Qty: 1



Part No. WERA051045

- Ratchet and screwdriver in a compact design
- 26-piece set in a belt pouch

KK 712 VARIO SOCKET ADAPT HEX 6X175

Unit: EA Qty: 1



Part No. WERA040001

- Suitable for standard 1/4 in. square drive sockets and accessories
- Interchangeable with all Vario series range
- 175mm long
- Length: 175mm

KK20 BAYONET BLADE COMBI DRIVER SET

Unit: EA Qty: 1



Part No. WERA051021

- Kraftform Kompakt 20-piece screwdriver set with pouch
- Telescope blade, Rapidaptor with non-roll feature
- Hexagonal 6.3mm socket insert bits with textile pouch

KK 28 SB BAYONET BLADE 6 PCE COMBI

Unit: EA Qty: 1



Part No. WERA073240

- Kraftform Kompakt 28 SB 6-piece combination set
- Suitable for DIN ISO 1173-C 6.3
- Kraftform ergonomic, non-roll handle with stainless steel sleeve
- Telescopic attachment with stainless steel sleeve

BITS AND HOLDERS

ADAPTOR 870/1

870/1 ADAPTER HEX 1/4 SQ DR X 25MM

Unit: BOX Qty: 5



Part No. WERA136000

- Suitable for nut spinner sockets
- Drive: 1/4 inch external hexagon
- Output: 1/4 inch male square

842/4 BALLHEX BITS

- 842/4 Hexagon bit with tough ball end
- Suitable for DIN ISO 1173-D 6.3 bit holders
- Hexagonal 4mm bit
- Length: 89mm



Part No.	Description	Unit	Qty
WERA059681	842/4 BALLHEX BITS 4X89	EA	1
WERA059682	842/4 BALLHEX BITS 5X89	EA	1
WERA059683	842/4 BALLHEX BITS 6X89	EA	1

BIT HOLDERS

899/4 1 UNIVERSAL SS BIT HOLDER 1/4 IN

Unit: BOX Qty: 5



Part No. WERA053455

- 899/4/1 Universal stainless steel 1/4 inch bit holder
- Suitable for DIN ISO 1173-C 6.3 bit
- Stainless steel sleeve with retaining ring and permanent magnet
- Length: 75mm

897/4 IMP IMPAKTOR BIT HOLDER

Unit: EA Qty: 1



Part No. WERA057676

- 897/4 IMP R Impaktor bit holder ring magnet and retaining ring
- Suitable for DIN ISO 1173-C 6.3 power driven screwdrivers
- Includes retaining ring and ring magnet for easier hold

TOOLS

897/4 R IMPAKTOR SB BIT HOLDER 1/4 IN

Unit: EA Qty: 1



Part No. WERA073990

- 897/4 IMP R SB Impaktor holder with retaining ring and ring magnet
- Impaktor holder to cushion extreme impulse peaks
- Suitable for 1/4 inch bits with a hexagon head drive
- DIN ISO 1173-C 6.3 and DIN ISO 1173-F 6.3 compatible
- Length: 75mm

887/4 RR SB RING MAGNET RAPIDAPTOR BIT H

Unit: EA Qty: 1



Part No. WERA076351

- 887/4 RR SB Rapidaptor universal bit holder with ring magnet
- Rapidaptor bit holder with ring magnet
- Suitable for hexagonal 6.3mm insert bits
- DIN ISO 1173-C 6.3 and DIN ISO 1173-F 6.3 compatible
- Length: 57mm

IMPAKTOR BITS 851/1



- 851/1 IMP DC Impaktor bit for phillips socket screws
- Suitable for DIN ISO 1173-D 6.3 bit holders
- Impaktor is diamond-coated for longer service life
- Colour-coded yellow by socket type, PH 2 phillips tip
- Length: 25mm

Part No.	Description	Unit	Qty
WERA057616	851/1 IMP DC PH BIT 2X25MM	EA	1
WERA057656	851/4 IMP DC IMPAKTOR BIT PH2X50	EA	1
WERA057691	851/4 IMP DC MINI CHECK IMPAKTOR 6PCS	EA	1
WERA072401	851/1 CLASSIC PH BIT 2X25MM 10PK	EA	1
WERA073916	851/1 IMP DC SB PH2 IMPACT BIT 2X25MM	EA	1
WERA073956	851/4 IMP DC SB PH2 IMPACT BIT 2X50MM	EA	1

IMPAKTOR BITS 867/1



- 867/1 IMP DC Impaktor bit for TORX socket screws
- Suitable for DIN ISO 1173-D 6.3 bit holders
- Impaktor is diamond-coated for longer service life
- Colour-coded green by socket type, TX 20 tip
- Length: 25mm

Part No.	Description	Unit	Qty
WERA057625	867/1 IMP DC TORX BIT 25X25MM	EA	1
WERA057626	867/1 IMP DC TORX BIT 30X25MM	EA	1
WERA057631	867/1 IMP DC SQ BIT 25X25MM	EA	1
WERA073926	867/1 IMP DC TX 30SB IMPACT BIT 30X25MM	EA	1
WERA073931	868/1 IMP DC SB SQ IMPACT BIT 2X25MM	EA	1

KOLOSS EXTENSION 8780

8780 C KOLOSS SB 8002C EXTENSION

Unit: EA Qty: 1



Part No. WERA073233

- 8780 C Kraffform KOLOSS extension for KOLOSS 8002 C
- Tempered Cr-Mo steel to strengthen tool
- Multi-component, laser engraved
- Length: 341mm
- Includes safety instructions for guidance

8780 C KOLOSS SB 8002C CENTRING PIN 135

Unit: EA Qty: 1



Part No. WERA073234

- 8781 C Krafform KOLOSS centering pin
- Tempered Cr-Mo steel to strengthen tool
- Increases torque transfer
- Used to align lugs or drill holes
- Length: 135mm

MAGNETIC NUTSETTER 869/4



- 869/4 M magnetic nutsetters
- Suitable for DIN ISO 1173-D 6.3 bit holders
- Hexagonal 8mm tip
- Length: 50mm

Part No.	Description	Unit	Qty
WERA060423	869/4 M NUTSETTER MAGNETIC 8X50	EA	1
WERA060425	869/4 M NUTSETTER MAGNETIC 10X50	EA	1
WERA060427	869/4 M NUTSETTER MAGNETIC 12X50	EA	1
WERA060428	869/4 M NUTSETTER MAGNETIC 13X50	EA	1

3840/4 SS HEX BITS 6.0X 89

Unit: EA Qty: 1



Part No. WERA071104

- 3840/4 stainless steel hexagon bit
- Suitable for DIN ISO 1173-D 6.3 bit holders
- Made of stainless steel to prevent rusting - for socket screws
- Hexagonal 6mm tip
- Length: 89mm

TAMPER-PROOF HEX-PLUS 840/1



- 840/1 IMP DC Impaktor bit for hexagon socket screws
- Suitable for DIN ISO 1173-D 6.3 bit holders
- Impaktor is diamond-coated for longer service life
- Colour-coded blue by socket type, Hexagonal 5mm tip
- Length: 25mm

Part No.	Description	Unit	Qty
WERA057605	840/1 IMP DC HEX BIT 5MMX25MM	EA	1
WERA073905	840/1 IMP DC SB SW 5 IMPACT BIT 5X25MM	EA	1

TAMPER-PROOF HEX-PLUS 840/4



- 840/4 IDC Impaktor bit for hexagon socket screws
- Suitable for DIN ISO 1173-D 6.3 bit holders
- Impaktor is diamond-coated for longer service life
- Colour-coded blue by socket type, hexagonal 4mm bit
- Length: 50mm

Part No.	Description	Unit	Qty
WERA057644	840/4 IDC IMPAKTOR BIT 4.0X50	EA	1
WERA057645	840/4 IDC IMPAKTOR BIT 5.0X50	EA	1
WERA057646	840/4 IDC IMPAKTOR BIT 6.0X50	EA	1

TOOLS

ZYKLOP RATCHET EXTENSION 8796

8796 SA SB ZYKLOP FLEXI LOCK EXT 1/4 IN

Unit: EA Qty: 1



Part No. WERA073250

- 8796 SA Zyklop 1/4 inch square flexible-lock extension
- Flexible Lock for permanent lock or fast change of accessories
- Free-turn sleeve for rapid tightening or loosening of screws
- Suitable for square drive sockets with ball lock
- Material: Chrome vanadium, brushed chrome-plated finish

8796 LA SB ZYKLOP FLEXI LOCK EXT 3/8 IN

Unit: EA Qty: 1



Part No. WERA073251

- 8796 LA Zyklop 3/8 inch square flexible-lock extension
- Flexible Lock for permanent lock or fast change of accessories
- Free-turn sleeve for rapid tightening or loosening of screws
- Suitable for square drive sockets with ball lock
- Material: Chrome vanadium, brushed chrome-plated finish

TORSION POZI

855/4 BDC TORSION BIT PZ 2X50MM

Unit: EA Qty: 1



Part No. WERA059902

- 855/4 BDC Torsion pozidriv bit
- Suitable for DIN ISO 1173-F 6.3 bit holders
- Colour-coded black for pozidriv screws
- Diamond-coated ensures longer usage under extreme conditions
- Length: 50mm

851/4 CLASSIC BIT PH2 5PK

Unit: EA Qty: 1



Part No. WERA072427

- Torsion-style design to reduce premature wear
- Tough, ideal for difficult jobs
- 1/4 hexagon"
- Suitable for DIN 3126-F 6.3, ISO 1173 bit holders
- Used on sheet steel or metals

840/1 Z HEX-PLUS BIT HX 4X25MM

Unit: EA Qty: 1



Part No. WERA056320

- 840/1 Z 4mm bit for hexagon socket screws
- Suitable for DIN ISO 1173-D 6.3 bit holders
- Hex-Plus tough for universal usage
- Hexagonal 4mm bit
- Length: 25mm

855/1 TH TORSION BIT PZ 1X25MM

Unit: EA Qty: 1



Part No. WERA056910

- 855/1 TH Torsion bit for pozidriv screws
- Suitable for DIN ISO 1173-D 6.3 bit holders
- Torsion-style design for longer usage
- PZ 1 size tip
- Length: 25mm

855/1 IMP DC POZ BIT PZ2X25MM

Unit: EA Qty: 1



Part No. WERA057621

- 855/1 IMP DC Impaktor bit for pozidriv socket screws
- Suitable for DIN ISO 1173-D 6.3 bit holders
- Impaktor is diamond-coated for longer service life
- Colour-coded red by socket type, PZ 2 pozidriv tip
- Length: 25mm

TORSION POZI



- 840/1 Z suitable for hexagon socket screws
- Suitable for DIN ISO 1173-D 6.3 bit holders
- Hex-Plus tough for universal usage
- Hexagonal 3mm bit
- Length: 25mm

Part No.	Description	Unit	Qty
WERA056315	840/1 Z HEX-PLUS BIT HX 3X25MM	EA	1
WERA056720	855/1 BTZ TORSION BIT PZ 1X25MM	EA	1
WERA056702	855/1 BDC TORSION BIT PZ 2X25MM	EA	1
WERA056925	855/1 TH TORSION BIT PZ 3X25MM	EA	1
WERA060060	855/4 TH TORSION BIT PZ 2X50MM	EA	1
WERA056915	855/1 TH TORSION BIT PZ 2X25MM	EA	1

SPANNERS

STANDARD SPANNERS

WERA JOKER DBL OPEN-ENDED WRENCH 10 AND 13MM

Unit: EA Qty: 1



Part No. WERA003760

- A high quality, metric, double open-ended wrench
- Suitable for hexagonal nuts and bolts
- Replaceable metal plate in the jaw secures nuts and bolts

WERA JOKER DBL OPEN-ENDED WRENCH 17 AND 19MM

Unit: EA Qty: 1



Part No. WERA003765

- Holding function with the metal plate in the jaw reduces the danger of losing bolts and nuts
- A return angle of only 30 degrees
- Nickel-chrome coating for enhanced corrosion resistance
- Double open-ended wrench

7001 C TORQUE WRENCH REV 1/2

Unit: EA Qty: 1



Part No. WERA075401

- 20 - 100 Nm (graduation of 1 Nm) - secondary scale 15 - 80 ft-lbs (graduation of 1 ft-lb)
- Can be used in right-hand direction
- Reading accuracy: +/- 4% of set value

WERA JOKER DBL OPEN-ENDED WRENCH 6PC SET

Unit: EA Qty: 1



Part No. WERA020022

- Ratcheting combination and double open-ended wrench
- Patented holding function

TOOLS

INSULATED SPANNERS



- Conventional 12-point design
- Double insulated with 1000V VDE protection
- Made to DIN 7447
- Available in a large range of sizes

Part No.	Description	Unit	Qty
IRS10	INSULATED RING SPANNER 10MM	EA	1
IRS12	INSULATED RING SPANNER 12MM	EA	1
IRS13	INSULATED RING SPANNER 13MM	EA	1
IRS14	INSULATED RING SPANNER 14MM	EA	1
IRS15	INSULATED RING SPANNER 15MM	EA	1
IRS16	INSULATED RING SPANNER 16MM	EA	1
IRS17	INSULATED RING SPANNER 17MM	EA	1
IRS19	INSULATED RING SPANNER 19MM	EA	1
IRS21	INSULATED RING SPANNER 21MM	EA	1

RATCHET INSULATED SPANNERS



- Fast and easy to work on nuts and bolts in confined spaces
- Double insulated with 1000V VDE protection
- Available in a variety of sizes

Part No.	Description	Unit	Qty
IRRS10	INSULATED RATCHET RING SPANNER 10MM	EA	1
IRRS13	INSULATED RATCHET RING SPANNER 13MM	EA	1
IRRS17	INSULATED RATCHET RING SPANNER 17MM	EA	1
IRRS19	INSULATED RATCHET RING SPANNER 19MM	EA	1

STANDARD SPANNERS

RATCHET WRENCH 4 IN 1 17-19-24-30MM

Unit: EA Qty: 1



Part No. MSS-BY-3

- Reversible ratchet spanner includes four sizes in one tool
- Sizes: 17mm, 19mm, 24mm and 30mm

RATCHET SPANNER- 6POINT -13/17A/F- SHORT

Unit: EA Qty: 1



Part No. MSS-RPS1317

- Short handle reversible ratchet spanner
- Hexagonal 6-point in 13mm and 17mm
- Used for IPC connections
- Long handle version is also available



- Dual size, reversible ratchet spanner
- Tapered end for easing bolt hole alignment
- Strong industrial quality

Part No.	Description	Unit	Qty
MSS-RRP-1317	RATCHET SPANNER - 13MM - 17MM	EA	1
MSS-RRP-1719	RATCHET SPANNER - 17MM - 19MM	EA	1
MSS-RRP-1824	RATCHET SPANNER - 18MM - 24MM	EA	1
MSS-RRP-1921	RATCHET SPANNER - 19MM - 21MM	EA	1
MSS-RRP-1924	RATCHET SPANNER - 19MM - 24MM	EA	1
MSS-RRP-2427	RATCHET SPANNER - 24MM - 27MM	EA	1
MSS-RRP-2430	RATCHET SPANNER - 24MM - 30MM	EA	1
MSS-RRP-2732	RATCHET SPANNER - 27MM - 32MM	EA	1
MSS-RRP-3032	RATCHET SPANNER - 30MM - 32MM	EA	1
MSS-RRP-3236	RATCHET SPANNER - 32MM - 36MM	EA	1
MSS-RRP1610SPC	RATCHET SPANNER - MOD - 16MM - 10MM	EA	1

PODGER RATCHET SPANNERS



- Reversible ratchet podger spanner
- Available in a huge range of sizes

Part No.	Description	Unit	Qty
MSS-RRP3-8BS16	RATCHET SPANNER - 3/8BS - 16MM	EA	1
MSS-RRPMOD3236	RATCHET SPANNER - MOD - 36MM - HANDLE	EA	1

SPEED RATCHET SPANNERS

8000 A ZYKLOP RATCHET WRENCH 1/4

Unit: EA Qty: 1



Part No. WERA003500

- Suitable for 1/4 inch square sockets and adaptors with square drive
- Multi-component Kraftform handle ensures minimum fatigue
- Flywheel design and easy-to-grip free-turning sleeve
- Equipped with a ball lock

8000 C ZYKLOP RATCHET WRENCH 1/2 INCH

Unit: EA Qty: 1



Part No. WERA003600

- Suitable for 1/2 inch square drive sockets and adapters with square drive
- Flywheel design and free-turning sleeve for faster work
- Swivel ratchet head
- Defined lock positions at 0 and 90 degrees to the left and right
- Equipped with a ball lock

8002 C KOLOSS 1/2 5PCE SET

Unit: EA Qty: 1



Part No. WERA133862

- 8002 C, 8000 E 1x extension release pin, 8000 HLF 1x holster
- Supplied with 1/2 drive with accessories
- Fine-tooth ratchet mechanism and small return angle (6 degrees)
- Can transfer at least 600 Nm of torque
- KOLOSS 5 piece set with 1x 1/2in x341.0, 8782 C 1x 2x50.0, 8780 C 1x 341.0x137

TOOLS

8001 A BIT RATCHET 1/4 DRIVE

Unit: EA Qty: 1



Part No. WERA073230

- 8001 A Kraftform Zyklop mini 1 bit ratchet
- Suitable for DIN ISO 1173-C 6.3 and DIN ISO 1173-E 6.3
- Forged full Steel, fine tooth ratchet with 1 bit
- 1/4 inch tip with friction ball for manual nut spin sockets
- Length: 87mm

8002 C KOLOSS RATCHET 1/2 DRIVE

Unit: EA Qty: 1



Part No. WERA073232

- Ratchet function for 1/2 inch square sockets adapters
- Equipped with ball lock, hammer function to align work piece
- Push-through square drive for forward and reverse operation
- Fine-tooth ratchet mechanism
- Small return angle of 6 degrees

8000 A SB ZYKLOP RATCHET 1/4 IN

Unit: EA Qty: 1



Part No. WERA073260

- 8000 A SB Zyklop speed ratchet with 1/4 inch drive
- Suitable for 1/4 inch square sockets and drive adapters
- Defined lock positions with push-button release
- Kraftform handle, swivel ratchet head and free turning sleeve
- Length: 152mm

8000 B SB ZYKLOP RATCHET 3/8 IN

Unit: EA Qty: 1



Part No. WERA073261

- 8000 B SB Zyklop speed ratchet with 3/8 inch drive
- Suitable for 3/8 inch square sockets and drive adapters
- Defined lock positions with push-button release
- Kraftform handle, swivel ratchet head and free turning sleeve
- Length: 199mm

8000 C SB ZYKLOP RATCHET 1/2 INCH

Unit: EA Qty: 1



Part No. WERA073262

- 1/2 inch square drive sockets and 1/2 inch adapters with square drive, equipped with ball lock
- Flywheel design and free-turning sleeve for faster work
- Swivel ratchet head
- Defined lock positions at 0 and 90 degrees to the left and right

METAL SWITCH RATCHET SPANNERS

8100 SA 8 ZYKLOP RATCHET SET 28PC 1/4 MT

Unit: EA Qty: 1



Part No. WERA004018

- A 28-piece set in a surface-preserving, compact and extremely robust textile box
- Low volume and weight for simplified mobility
- 1 Zyklop metal ratchet with switch lever and 1/4 inch drive
- Includes sockets, extensions, adapters, chuck and 15x bits

WRENCHES

INSULATED ADJUSTABLE WRENCHES



- Double insulated with 1000V VDE protection
- Made to DIN 3117
- Available in 250mm and 300mm lengths



Part No.	Description	Unit	Qty
IKAW250	INSULATED ADJUSTABLE WRENCH 250MM	EA	1
IKAW300	INSULATED ADJUSTABLE WRENCH 300MM	EA	1

INSULATED RATCHET WRENCHES



- Handy two sided wrench mainly used for installation of IPC's and split bolts
- Double insulated with 1000V VDE protection
- Two sizes available
- Hexagonal 6-point ensures spanner will not strip the head



Part No.	Description	Unit	Qty
IRW13/17	INSULATED RATCHET WRENCH 13 & 17MM	EA	1
IRW17/19	INSULATED RATCHET WRENCH 17 & 19MM	EA	1

INSULATED 4 WAY WRENCHES

INSULATED FOUR WAY WRENCH 10/13/14/17 MM

Unit: EA Qty: 1



Part No. I4WAYW

- Includes 4 different socket sizes
- Double insulated with 1000V VDE protection
- Printed with size
- Sizes: 10, 13, 14 and 17mm



INSULATED T-WRENCHES



- Double insulated T-Wrench with 1000V VDE protection
- Made from a precision steel tube of chrome/molybdenum alloy
- Tempered to a tensile strength of 110-150mm²
- Spanner printed with size



Part No.	Description	Unit	Qty
ITW10	INSULATED T-WRENCH 10MM X 200MM	EA	1
ITW12	INSULATED T-WRENCH 12MM X 200MM	EA	1
ITW13	INSULATED T-WRENCH 13MM X 200MM	EA	1
ITW14	INSULATED T-WRENCH 14MM X 200MM	EA	1
ITW17	INSULATED T-WRENCH 17MM X 200MM	EA	1
ITW19	INSULATED T-WRENCH 19MM X 200MM	EA	1
ITW21	INSULATED T-WRENCH 21MM X 200MM	EA	1

TOOLS

ADJUSTABLE WRENCHES



- Professional quality adjustable wrench
- Available in 8, 10 and 12 inch lengths
- Chrome-plated, drop forged vanadium steel

Part No.	Jaw Opening (mm)	Length (mm)	Unit	Qty
KAW200	25	200	EA	1
KAW250	30	250	EA	1
KAW300	35	300	EA	1

RATCHET WRENCHES

JOKER RATCHET WRENCH COMBI 11PCE

Unit: EA Qty: 1



Part No. WERA020013

- Ratcheting combination wrench includes a unique holding function
- Metal-plated jaw reduces the risk of dropping nuts and bolts
- Integrated limit-stop to prevent risks of injury
- Set of 11 ratchet combination wrenches in a durable pouch

JOKER RATCHET WRENCH COMBI 4PCE

Unit: EA Qty: 1



Part No. WERA073290

- Joker 4-piece set metric ratchet combination wrenches with pouch
- Ratchet wrench sizes included 7/16, 1/2, 9/16 and 3/4 inch
- Kit includes a durable travel pouch
- Suitable for hexagonal nuts and bolts
- Length: 165, 177, 188 and 246mm

SOCKETS AND DRIVERS

INSULATED EXTENSION BAR



- Double insulated with 1000V VDE protection
- Made to DIN 7434
- Available in 125mm and 250mm lengths



Part No.	Description	Unit	Qty
IEB125	INSULATED EXTENSION BAR 125MM	EA	1
IEB250	INSULATED EXTENSION BAR 250MM	EA	1

INSULATED SOCKET WRENCH

INSULATED SOCKET WRENCH 1/2IN DR 260MM

Unit: EA Qty: 1



Part No. ISW1/2

- Featuring a unique push button quick release socket to assist with live work
- Quality German made
- Made to DIN 7449
- Insulated for protection



TORQUE WRENCHES



- Unique push button quick release socket to assist with live work
- Double insulated with 1000V VDE protection
- Quality German made product



Part No.	Description	Unit	Qty
ITW370	INS TORQUE WRENCH 370MM 1/2DRIVE 5-50NM	EA	1
ITW460	INS TORQUE WRENCH 460MM 1/2DRIVE20-100NM	EA	1
ITW530	INS TORQUE WRENCH 530MM 1/2DRIVE60-220NM	EA	1

INSULATED CABLE CORE ALIGNER 185-240MM2

Unit: EA Qty: 1



Part No. 100001

- For aligning un-stripped cable cores
- Aligns the cores prior to jointing
- Ideal for stranded copper, but also suitable for aluminium
- Suits 185mm² and 240mm² cable cores with insulation
- 1000V insulated

INSULATED SOCKETS



- Standard 6-point hexagonal drive
- Double insulated with 1000V VDE protection
- Made to DIN 7448
- Chrome-plated vanadium steel



Part No.	Description	Unit	Qty
IS10	INSULATED SOCKET 10MM	EA	1
IS13	INSULATED SOCKET 13MM	EA	1
IS14	INSULATED SOCKET 14MM	EA	1
IS17	INSULATED SOCKET 17MM	EA	1
IS19	INSULATED SOCKET 19MM	EA	1
IS24	INSULATED SOCKET 24MM	EA	1

HOLD IT FUNCTION SOCKETS



- 8790 HMC HF Zyklop socket 1/2 inch drive with 'hold' function
- Colour-coded, chrome vanadium with brushed chrome-plated finish
- Socket for hexagonal headed bolts, screws and nuts
- Ball intercept ring, holding function
- Available in a range of sizes



Part No.	Description	Unit	Qty
WERA003730	8790 HMC HF ZYKLOP 1/2 SOCKET HEX 10MM	EA	1
WERA003731	8790 HMC HF ZYKLOP 1/2 SOCKET HEX 11MM	EA	1
WERA003732	8790 HMC HF ZYKLOP 1/2 SOCKET HEX 12MM	EA	1
WERA003733	8790 HMC HF ZYKLOP 1/2 SOCKET HEX 13MM	EA	1
WERA003734	8790 HMC HF ZYKLOP 1/2 SOCKET HEX 14MM	EA	1
WERA003735	8790 HMC HF ZYKLOP 1/2 SOCKET HEX 15MM	EA	1
WERA003736	8790 HMC HF ZYKLOP 1/2 SOCKET HEX 16MM	EA	1
WERA003737	8790 HMC HF ZYKLOP 1/2 SOCKET HEX 17MM	EA	1
WERA003738	8790 HMC HF ZYKLOP 1/2 SOCKET HEX 18MM	EA	1
WERA003739	8790 HMC HF ZYKLOP 1/2 SOCKET HEX 19MM	EA	1

TOOLS

TOOL KITS

SCREWDRIVER AND AC VOLTAGE TESTER KIT

WERA 5PC LASERTIP SET AND VOLTAGE TESTER

Unit: EA Qty: 1



Part No. WERAT3LZ-VOLT

- Screwdriver and AC voltage detector kit
- Individually tested screwdriver blades to IEC60900:2004
- Slotted and phillips head application
- Voltage detector - CATIII 600V voltage proximity sensor
- Bonus pencil case and bottle opener included

WERA 5PC SLIM SET AND VOLTAGE TESTER

Unit: EA Qty: 1



Part No. WERAT3SL-VOLT

- Screwdriver and AC voltage tester kit
- Extremely versatile for mobile use
- Space saving design
- Application: Vario blades and adaptors
- Bonus pencil case and bottle opener included

SCREWDRIVER AND CHISELDRIVER KIT

WERA 5PC T2 SET AND CHISELDRIVER

Unit: EA Qty: 1



Part No. WERAT2-CHDR

- Screwdriver and chisel driver kit
- Insulated screwdriver blade - individually tested IEC60900:2004
- Slotted and phillips head application
- Chisel driver fastens, chisels and loosens seized screws or clamps
- Bonus pencil case and bottle opener included

WERA 5PC LASERTIP SET AND CHISELDRIVER

Unit: EA Qty: 1



Part No. WERAT3LZ-CHDR

- Screwdriver and chisel driver kit
- Individually tested screwdriver blades to IEC60900:2004
- Suitable for slotted and phillips head
- Chisel driver fastens, chisels and loosens seized screws or clamps
- Bonus pencil case and bottle opener included

WERA 5PC SLIM SET AND CHISELDRIVER

Unit: EA Qty: 1



Part No. WERAT3SL-CHDR

- Screwdriver and chisel driver kit
- Extremely versatile for mobile use
- Space saving design
- Suitable for Vario blades and adaptors
- Bonus pencil case and bottle opener included

SCREWDRIVER AND PLIER KIT

WERA 5PC SLIM SET AND CHANNELLOK PG2

Unit: EA Qty: 1



Part No. APKITWERA1

- Kit contains a 160IS T3 slimline 5-piece screwdriver set with a Channellock insulated lineman's and cutting pliers
- Pliers feature cross-hatched serrated jaws provide superior grip
- Knife and anvil cutting edge induction hardened for long life
- Screwdrivers feature space-saving design

WERA / IRWIN PG-2 KIT

Unit: EA Qty: 1



Part No. APKITWERA2

- Twin pack 3248 and 3238 215mm insulated lineman's pliers and insulated cutting pliers
- 160IS T3 slimline 5-piece screwdriver set
- Irwin electricians apron and belt
- Voltfinger with torch CATIII 600V

WERA 5PC T2 SET AND 3248 PLIERS

Unit: EA Qty: 1



Part No. WERAT2-3248

- Screwdriver and pliers kit
- Individually tested screwdriver blades to IEC60900:2004
- Suitable for slotted and phillips head
- Plier features cross-hatch serrated jaws for better grip
- Bonus pencil case and bottle opener included

WERA 5PC LASERTIP SET ANDt 3248 PLIERS

Unit: EA Qty: 1



Part No. WERAT3LZ-3248

- Screwdriver and plier kit
- Individually tested screwdriver blades to IEC60900:2004
- Suitable for slotted and phillips head
- Plier features cross-hatch serrated jaws provide better grip
- Bonus pencil case and bottle opener included

WERA 5PC SLIM SET AND 3248 PLIERS

Unit: EA Qty: 1



Part No. WERAT3SL-3248

- Screwdriver and plier kit
- Extremely versatile for mobile use
- Space saving design
- Suitable for Vario blades and adaptors
- Bonus pencil case and bottle opener included

SCREWDRIVER TORQ-SET 371

371 TORQ-SET MPLUS SCREWDRIVER 8X100

Unit: EA Qty: 1



Part No. WERA028132

- Kraftform 371 Torq-Set Mplus screwdriver
- Chrome-plated, round blade
- Screwdriver for Torq-Set screws with non-roll feature handle
- Length: 100mm

ZYKLOP RATCHET KIT

8700-6/BDC BIT-CHECK RAPIDATOR 6PCS

Unit: EA Qty: 1



Part No. WERA056370

- Easily inserted with self-locking bits
- No extra tools needed to remove bits
- Even small sizes can be changed with ease

TOOLS

TOOL CHECK PLUS 39 PCS SET

Unit: EA Qty: 1



Part No. WERA056490

- Includes a bit ratchet, 1x bit holding screwdriver, 28x bits, 1x socket adaptor, 7x sockets and a rapidaptor bit holder/extension
- Contains bits: PH, PZ, TORX, TORX BO, Hex, SL
- Drop-forged, full steel design

8200/ BIT-SAFE CLASSIC 60 Z

Unit: EA Qty: 1



Part No. WERA057134

- 895/4/1 K 61 pieces with a quick-release, universal bit holder
- Suitable for power tools and electronic drills

BC IMPAKTOR 30 BIT SET

Unit: EA Qty: 1



Part No. WERA057690

- Bit-Check 30-piece Impaktor bit set
- Includes 1 Impaktor bit holder with retaining ring and magnet
- 29 Impaktor colour-coded bits in various sizes
- Socket Types: Phillips, hexagonal, square, TORX and pozidriv
- Bit Lengths: 25mm

TOOL KITS

APPRENTICE KIT

Unit: EA Qty: 1



Part No. APKIT

- An entry level apprentice kit including a CATIII 600V voltfinder and 1000V pliers and screwdriver set
- Supplied in a strong tradesman's tool carry bag
- Kit components can be ordered as individual items
- Kit contains: CP5, HVSDK6, WBS2, HVEP230HL, T7107A, KHAM1
- KUK4 and KT10M

APPRENTICE KIT 1

Unit: EA Qty: 1



Part No. APKIT1

- A kit for the apprentice including a voltfinder CATIV 1000V and 1000V electrical pliers
- Supplied with a tradesman's multi compartment tool box
- Kit components can be ordered as individual items
- Kit contains: TB18, KHAM1, KT10M, WBS2, HVSDK5, HVEP230HP
- T7107A and KUK4

APPRENTICE KIT 2

Unit: EA Qty: 1



Part No. APKIT2

- A kit for the professional including a power point RCD tester and a voltfinder CATIII 600V
- Supplied in a strong tradesman's tool carry bag
- Kit components can be ordered as individual items
- Kit contains: CP7, HVSDK5, WBS2, HVEP230HL, TEL1TLV2, KHAM1
- KT10M, KCC42, K40, HVSC200B, KUK4 and HN2



APPRENTICE KIT 3

Unit: EA Qty: 1



Part No. APKIT3

- A kit for the professional including a powerpoint RCD tester and 1000V pliers and screwdriver set
- Supplied in a strong tradesman's tool carry bag
- Kit contains: CP6, KCC32, HVSDK6, CPB2, KSC125B, HVLNP205B, HVSC2
- HVEP230HL, KUS4, K40, K26, KTC1, PSDK1, KAW250, WBS2, KHAM1
- KLP250, HSKIT2, T7114, KUK4, TEL1TLV2 and CABACCAP



APPRENTICE KIT 4

Unit: EA Qty: 1



Part No. APKIT4

- A kit for the professional including a 5 in 1 general purpose digital multimeter and a voltfinger CATIII 600V
- Supplied in a strong tradesman's tool carry bag
- Kit components can be ordered as individual items
- Kit contains: CP8, HVSDK5, KUS2, KAKTM, T8229, HNKE5, HVSC200B
- T7114, HVEP230HL, KCC42, K40, KT10M and HN2



APPRENTICE KIT 5

Unit: EA Qty: 1



Part No. APKIT5

- A carry on kit for the professional including a CATIV 1000V voltfinger and a power point RCD tester
- Supplied with a tradesman's tool carry multi-pouch
- Kit components can be ordered as individual items
- Kit contains: CP4, HVEP230HL, HVSC200B, HVLNP205B, HVSDK5, WBS2
- KCC32, K40, KHAM1, KT10M, T7107A, TEL1TLV2 and KUK4



APPRENTICE KIT 6

Unit: EA Qty: 1



Part No. APKIT6

- A carry on kit for the professional including a CATIV 1000V voltfinger and a power point RCD tester
- Supplied with a leather electrician pouch and belt
- Kit components can be ordered as individual items
- Kit contains: CP1, CP2, HVEP230BL, HVSC200B, HVLNP205B, HVSDK5
- WBS2, KCC32, K40, KHAM1, KT10M, Y7107A, TEL1TLV2 and KUK4



APPRENTICE KIT 7

Unit: EA Qty: 1



Part No. APKIT7

- A deluxe kit for the professional including a CATIV 1000V voltfinger and a 3 3/4 auto-range digital multimeter
- Supplied with a tradesman's tool carry multi-pouch
- Kit components can be ordered as individual items
- Kit contains: CP8, EVP220, HVSC200B, HVSDK5, K40, KCC42, KT10M
- T7107A, KUS4, KAM1, KAKTM, T8268, KTC1 and K26



APPRENTICE KIT 8

Unit: EA Qty: 1



Part No. APKIT8

- A basic kit for the professional
- Includes a Powerpoint RCD tester and electrical pliers
- Supplied with a tradesman's 19 pocket tool pouch and belt
- Kit components can be ordered as individual items
- Kit contains: CP4, EP220, KCC32, KHAM1 and TEL1TLV2

TOOLS

INSULATED SMALL SOCKET SET

Unit: KIT Qty: 1



Part No. ISS1

- Kit contains a 1/2 inch socket drive, 125mm extension and 7 sockets
- Double insulated with 1000V VDE protection
- Packed in a sturdy plastic box
- Larger sets are available upon request



WALL BOARD SAW AND MONKEY KIT

Unit: EA Qty: 1



Part No. WBS-MONKEY-K

- All the tools you need to complete fast, clean, accurate plug installations every time
- Easy to position and mark C-bracket cut-out
- Vertical and horizontal level indication
- Clear centre mark positioning

WERA TOOL KITS

KK SH1 1 VDE 11PC PLUMBKIT

Unit: EA Qty: 1



Part No. WERA135927

- An ideal tool kit for plumbers and heating engineers
- 11-piece set supplied in pouch

KNIVES

KNIVES AND BLADES

UNIVERSAL FLAT BLADE SAFETY KNIFE

Unit: EA Qty: 1



Part No. FBK

- A general purpose knife with a built in safety cover
- Uses standard blades that fit into a holder
- 1000V insulated to protect user while stripping live cables
- Spare blade available FBKB

UNIVERSAL SAFETY KNIFE SPARE BLADE

Unit: EA Qty: 1



Part No. FBKB

- Spare blade for the universal flat blade safety knife FBK
- Blades fit into knife holder

WEBBING KNIFE HOOK STYLE NOVEX 539

Unit: EA Qty: 1



Part No. MSS-539NOVEX

- Concealed blade for safe use
- Throat opening: 6mm
- Used in rescue kits for cutting harness webbing

KNIPEX - SHEATH KNIFE 155MM LONG -1000V

Unit: EA Qty: 1



Part No. MSS-9855155

- Cable sheath knife 1000V VDE rated
- Fixed hook blade with guide shoe to protect cable conductor



CABLE KNIFE

Unit: EA Qty: 1

intercable



Part No. FSK

- Precision cable stripping knife designed for safety
- Used in the cable preparation process to cut and strip insulation
- 1000V insulation for user protection
- Spare blade available FSKB
- Prevents damage to the conductor

CABLE KNIFE SPARE BLADE

Unit: EA Qty: 1

intercable



Part No. FSKB

- Spare blade for the precision cable stripping knife FSK
- Used in the cable preparation process to cut and strip insulation
- Designed for safety
- Prevents damage to the conductor

HACKING KNIFE - 115MM BLADE

Unit: EA Qty: 1



Part No. MSS-FP182

- Stainless steel blade
- Tapered blade (5.40mm-1.10mm)
- Rosewood handle
- Length: 120mm

TRIANGLE SHAVE HOOK

Unit: EA Qty: 1



Part No. MSS-TSH

- Triangular shaped and sharpened steel blade
- Handle and shaft riveted through centre of blade

LINESMAN WOODEN HANDLE POCKET KNIFE

Unit: EA Qty: 1



Part No. MSS-TTK-1

- Standard issue for the discerning linesman
- Wooden handle foldaway knife
- Rounded back
- Prevents the blade from sitting sharp side up

TOOLS

HAMMERS

HAMMERS

TRADESMANS HAMMER - PROFESSIONAL 200Z

Unit: EA Qty: 1



Part No. KHAM1

- A professional and unbreakable hammer
- Hand finished and balanced with a sturdy rubber grip
- Fibreglass handle and a carbon steel head

CHISELS

CHISELS

CHISEL SET 4 PIECE

Unit: EA Qty: 1



Part No. CCS

- Professional quality chisels with a bevelled edge full blade
- Manufactured from hardened/tempered high grade carbon steel
- Ergonomic handles for non slip user comfort
- Replace safety edge guards after use
- Blade ensures a neat and accurate cut

ALLEN KEYS AND HEX KEYS

L-KEY SETS

950 PKL/9 SM N LONG ARM HEX KEY SET

Unit: EA Qty: 1



Part No. WERA022088

- 950 SPKL/9 SM N Magnetic 9-piece hexagonal L-Key set
- Includes 7x L-Keys with a two component clip magnetiser
- Magnetised for to hold recessed screws
- Metric markings on the L-Keys with rubber grip
- Lengths: 90, 101, 112, 123, 137, 154, 172, 195, 224mm

950 SPKL/9 SMN COLOUR LA HEX KEYS METRIC

Unit: EA Qty: 1



Part No. WERA073593

- 950 SPKL/9 SM N SB 9-piece metric, multi-coloured L-Key set
- Colour-coded, black laser surface, Hex-Plus
- Suitable for hexagonal socket screws
- Ball end hexagon on long arm
- Lengths: 90, 101, 112, 123, 137, 154, 172, 195, 224mm

ALLEN KEYS



- Allen key sets with a ball head end
- Allows insertion and turning at an angle
- Available in a metric or imperial sizing

Part No.	Description	Unit	Qty
KAKTM	METRIC ALLEN KEY SET	EA	1
KAKTI	IMPERIAL ALLEN KEY SET	EA	1
KSTAR	STAR KEY SET 9 PIECE	EA	1

T-HANDLE ALLEN KEYS



- Insulated to IEC 60900:2004 regulations 1000V VDE protection
- Made from nickel-plated chrome vanadium steel
- Injection moulded for hexagonal screws
- Spanner printed with size



Part No.	Description	Unit	Qty
IAKT4	T-HANDLE ALLEN KEY 200MM 4MM	EA	1
IAKT5	T-HANDLE ALLEN KEY 200MM 5MM	EA	1
IAKT6	T-HANDLE ALLEN KEY 200MM 6MM	EA	1
IAKT8	T-HANDLE ALLEN KEY 200MM 8MM	EA	1

INSULATED WRENCH ALLEN KEYS



- Used to tighten the shear bolts in our range of bolt up connectors
- Standard allen key hex drivers
- Handles are 1000V rated and conform to the German VDE standard



Part No.	Description	Unit	Qty
IAKW3	INSULATED ALLEN KEY WRENCH 130MM 3MM	EA	1
IAKW4	INSULATED ALLEN KEY WRENCH 140MM 4MM	EA	1
IAKW5	INSULATED ALLEN KEY WRENCH 160MM 5MM	EA	1
IAKW6	INSULATED ALLEN KEY WRENCH 180MM 6MM	EA	1
IAKW8	INSULATED ALLEN KEY WRENCH 200MM 8MM	EA	1
IAKW10	INSULATED ALLEN KEY WRENCH 225MM 10MM	EA	1

HEX KEYS



- Two component clip, 9-piece hex key sets
- Stainless steel
- Hex-plus provides a greater contact surface
- Available in metric and imperial sizes



Part No.	Description	Unit	Qty
WERA022720	3950 PKL/9 HEX PLUS L-KEY METRIC SS	EA	1
WERA022721	3950 PKL/9 HEX PLUS L-KEY IMPERIAL SS	EA	1

GUN TOOLS

HEAT GUNS, SOLDERING IRONS & GAS TORCHES

LED INDICATING HEAT GUN

Unit: EA Qty: 1



Part No. HG2232

- Suitable for a variety of applications
- Constant heat control with continuous working with no overheating
- LED Light
- Very stable - for stationary use
- Continuous adjustable temperature with 3 fan settings

DIGITAL DISPLAY AND TEMP ADJUST. HEAT GUN

Unit: EA Qty: 1



Part No. HG2233

- Heat settings: two
- Variable temperature and air flow
- Constant heat control and overheat protection
- Ceramic heater

TOOLS

FLAMELESS GAS HEAT GUN

Unit: EA Qty: 1



Part No. GT1300HG

- Designed for industrial use where high volume, flameless heat is required
- Wide nozzle and a clear gas tank
- High output, long life catalyst provides infinitely adjustable heat
- A completely portable tool

AUTO IGNITION BUTANE POWERED PRO TORCH

Unit: EA Qty: 1



Part No. GT1400

- Ideal for industrial applications
- Torch runs on normal cigarette lighter fuel
- Use for brazing, soldering, plumbing, industrial maintenance and more
- Nominal flame temperature is 1350 degrees Celsius

MICRO FLAMELESS HEAT GUN

Unit: EA Qty: 1



Part No. GT650

- A handy unit based around a refillable cigarette lighter
- Professionally built for the serious user
- Maximum temperature of 650 degrees Celsius flameless heat

CAULKING GUNS

CAULKING GUN

Unit: EA Qty: 1



Part No. KCG1

- Quick release to remove spent cartridges
- Accepts any standard cartridge

SOLDERING IRONS

SOLDERING IRONS

BUTANE POWERED SOLDERING IRON

Unit: EA Qty: 1



Part No. GT150

- Portable model, multi-function heat tool
- Cordless, simple and safe to use under any conditions
- Ready to use 15 seconds after ignition
- For complete kit version see GT150K
- Only equivalent to a power range from 30W-125W

BUTANE POWERED SOLDERING IRON KIT

Unit: EA Qty: 1



Part No. GT150K

- Portable model, multi-function heat tool kit
- Cordless, simple and safe to use under any conditions
- Ready to use 15 seconds after ignition
- Equivalent to a power range from 30W-125W

GAS TORCH AND SOLDERING IRON

Unit: EA Qty: 1



Part No. GT700

- Low cost quality soldering iron
- Cordless, simple and safe to use under any conditions

GAS TORCH AND SOLDERING IRON KIT

Unit: EA Qty: 1



Part No. GT700K

- Low cost quality gas torch and soldering iron kit
- Packed in a sturdy plastic box with a roll of solder
- Supplied with a tip wiping pad and full instructions



- A quality soldering iron designed for everyday use
- Available in 25W or 45W
- Flexible power cord
- Cool handle grip and stainless steel barrel



Part No.	Description	Unit	Qty
SI25W	SOLDERING IRON 240V	EA	1
SI40W	SOLDERING IRON 250V	EA	1

SOLDERING ACCESSORIES

1.6MM CONICAL TIP FOR GT150 AND GT150K

Unit: EA Qty: 1



Part No. GT150-PS-01

- Spare 1.6 mm conical pointed soldering tip
- Suitable for GT150 and GT150K

3.2MM CHISEL POINT TIP TO SUIT GT150

Unit: EA Qty: 1



Part No. GT150-PS-02

- Spare 3.2mm conical tip
- Soldering iron GT150 and GT150K

2.4MM CHISEL TIP FOR GT150 AND GT150K

Unit: EA Qty: 1



Part No. GT150-PS-03

- Spare 2.4 mm chisel tip
- Suitable for GT150 and GT150K soldering irons

TOOLS

3.2MM CHISEL POINT TIP TO SUIT GT150

Unit: EA Qty: 1



Part No. GT150-PS-04

- Spare 3.2mm chisel tip
- Suitable for soldering iron GT150 and GT150K

2.4MM ANGLE TIP FOR GT150 AND GT150K

Unit: EA Qty: 1



Part No. GT150-PS-05

- Spare 2.4mm tip with diagonal point
- Suitable for soldering irons GT150 and GT150K

LIQUID ENERGY CELL 2PC- TO SUIT GT150

Unit: EA Qty: 1



Part No. GT082

- Suitable for use with butane powered soldering iron GT150
- Full kit also available GT150K

GAS SOLDER TORCH TIP FOR GT700

Unit: EA Qty: 1



Part No. Y-GT700/T-01

- Spare tip for gas torch and soldering iron GT700K
- Low cost and high quality
- Ready to use 20 secs after ignition

SOLDERING IRON PISTOL GRIP

Unit: EA Qty: 1

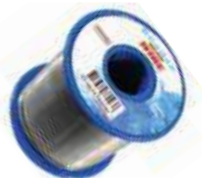


Part No. GT1300P

- Uses removable butane gas cartridges, LECTM (liquid energy cells LEC-10)
- Cordless, easy and safe to use
- Ready in 30 seconds
- Solder, heat gun or blow torch
- Cartridges can be refilled

SOLDER WIRE 1MM DIAMETER - 500G ROLL

Unit: EA Qty: 1



Part No. SW63-37D1

- Made from extruded 63/37 tin/lead solder
- Meets the standards of electronic manufacturers
- Designed for wave or dip soldering
- Used with a 25-60 Watt soldering iron
- Diameter: 1mm, supplied on a 500g roll

MEASURING DEVICES

MEASURING DEVICES

TAPE MEASURE 25MM X 5M

Unit: EA Qty: 1



Part No. KT5M

- Auto-lock with two release buttons
- Magnetic tip on tape end
- Belt clip
- Tape dimensions: 25mm (W) x 5000mm (L)

MEASURING TOOLS

LUFKIN FOLDING RULER - PLASTIC 1M

Unit: EA Qty: 1



Part No. MSS-103210

- Quality measuring tool for the professional or handy man
- Made from strong hard wearing plastic
- Made in Sweden
- Length: 1m

TAPE MEASURE FIBREGLASS 50M WIND N158

Unit: EA Qty: 1



Part No. MSS-490158

- Quality measuring tool for the professional or handy man
- Accurate measurement of large areas

MEASURING WHEEL SURVEYORS - METRIC

Unit: EA Qty: 1



Part No. MSS-M10

- Foldaway design with metric meter readout
- Accurate measurement of large areas
- Suitable for surveyors

CRESCENT MEASURE TAPE 8M 26FT

Unit: EA Qty: 1



Part No. MSS-NL526ME

- Quality measuring tool for the professional or a handy man
- Hi Vis sturdy case
- Length: 8m or 26feet

METAL RULER - 300MM (12 INCH)

Unit: EA Qty: 1



Part No. MSS-EG-130-12

- Premium quality ruler
- Durable heavy duty blade
- All metric scale
- Easy to read etched numbers

TOOLS

TELESCOPIC MEASURING STICKS



- Very accurate telescopic measuring stick
- Easy to use with auto-locking system
- Tilt-able hook adapts to your required point of reference
- Available in a range of heights from 4-12m
- Reading the height is easy with the in-built tape measure

Part No.	Description	Unit	Qty
MSS-SK2024M	TELESCOPIC 4MTR MEASURING STICK	EA	1
MSS-SK2026M	TELESCOPIC 6MTR MEASURING STICK	EA	1
MSS-SK2028M	TELESCOPIC 8MTR MEASURING STICK	EA	1

LEVELLING TOOLS

ALUMINIUM LEVELS

ALUMINIUM LEVEL 220MM

Unit: EA Qty: 1



Part No. LL220

- Soft plastic and aluminium frame
- 3 directional
- Shock proof
- Rubber boots
- Magnetic bottom

ALUMINIUM LASER LEVEL 400 MM

Unit: EA Qty: 1



Part No. LL500

- Features output power of < 1mW
- 2x AAA battery powered
- Magnetic with rubber boots
- 3 directional

ALUMINIUM LEVEL 600MM

Unit: EA Qty: 1



Part No. LL600

- Double milled surface to increase accuracy
- Heavy-duty with two hand holes
- Rubber handle
- V style bottom for pipes
- Accuracy level: 0.5mm/m

WALL PLUG STENCIL

BLUE MONKEY PLUG POINT LEVEL STENCIL

Unit: EA Qty: 1



Part No. MONKEY

- A clever self-levelling stencil to assist with fitting C-brackets for plug points and light switches
- Fast, clean and accurate installations every time
- Easy to position and mark C-bracket cut-out
- Vertical and horizontal level indication

MARKING TOOLS

PERMANENT MARKERS

PERMANENT MARKER PEN BLACK

Unit: BOX Qty: 12



Part No. MP/BK

- Colour: Black

WATER BASE PERMANENT MARKERS



- Odourless, water-based formula ensures a safer workplace
- Durability makes it ideal for industrial applications
- Low VOC
- Wide tip for thick writing

Part No.	Description	Unit	Qty
P992400	WB10 WATER BASED PERMANENT MARKER BLACK	EA	1
P992404	WB10 WATER BASED PERMANENT MARKER WHITE	EA	1

LUMBER CRAYONS



- Wax based crayons for marking on rough surfaces
- Available in a variety of colours
- Supplied in a box of 12
- Suitable for gyprock, concrete and more

Part No.	Description	Unit	Qty
CM/BK	LUMBER CRAYON BLACK	BOX	12
CM/BL	LUMBER CRAYON BLUE	BOX	12
CM/GN	LUMBER CRAYON GREEN	BOX	12
CM/RD	LUMBER CRAYON RED	BOX	12
CM/WH	LUMBER CRAYON WHITE	BOX	12
CM/YL	LUMBER CRAYON YELLOW	BOX	12

MARKING CHALK



- Powdered chalk for the CCL chalk line
- Supplied in a 120g bottle
- Available in red or blue
- Self-chalking, easy action reel
- Length: 30m

Part No.	Description	Unit	Qty
CMCB120	MARKING CHALK 120G BLUE	EA	1
CMCR120	MARKING CHALK 120G RED	EA	1

INK PAINT

39013501 SPRAY INK PAINT BLACK (DG)

Unit: EA Qty: 1



- Part No. P992296**
- Specially formulated for stencil applications and general colour-coding
 - Unique formulation is fast drying and light-fast
 - Minimises build-up when used with stencils

TOOLS

SPRAY AND MARK PAINT



- Premium marking out paint designed for use in construction, landscaping, civil work and construction
- Use with long arm handle, 2 wheel spot marker or measuring wheel
- Available in a variety of colours

Part No.	Description	Unit	Qty
P992299	40013501 SPRAY AND MARK PAINT BLACK	EA	1
P992286	40013511 SPRAY AND MARK PAINT WHITE	EA	1
P992295	40013505 SPRAY AND MARK PAINT YELLOW	EA	1
P992281	40013523 SPRAY AND MARK PAINT FLUORO BLUE	EA	1
P992282	40013524 SPRAY AND MARK PAINT FLUORO GREEN	EA	1
P992284	40013524 SPRAY AND MARK PAINT FLUORO ORANGE	EA	1
P992285	40013529 SPRAY AND MARK PAINT FLUORO PINK	EA	1
P992280	40013522 SPRAY AND MARK PAINT FLUORO RED	EA	1
P992283	40013525 SPRAY AND MARK PAINT FLUORO YELLOW	EA	1

PERMANENT MARKERS



- Xylene-free permanent paint marker
- UV resistant for outdoor use
- Marks on steel, rubber, timber, plastic etc.
- Medium bullet nib for accuracy
- Available in two colours

Part No.	Description	Unit	Qty
P992339	12014011 PERMANENT MARKER ARTLINE WHITE	EA	1
P992340	12014005 PERMANENT MARKER ARTLINE YELLOW	EA	1

LUMBER CRAYONS



- Premium crayon used in the timber industry and general trades
- Long wearing clay based crayon for most hard surfaces
- No dust build up
- Fade, smear and waterproof
- Available in a variety of colours

Part No.	Description	Unit	Qty
P990030	CARSON CRAYON BLACK NO3BLK	BOX	12
P990031	CARSON CRAYON RED NO3RED	BOX	12
P990032	CARSON CRAYON BLUE NO3BLU	BOX	12
P990033	CARSON CRAYON YELLOW NO3YEL	BOX	12
P990034	CARSON CRAYON GREEN NO3GRN	BOX	12
P990035	CARSON CRAYON WHITE NO3WHT	EA	1

TIE DOWN STRAPS

MOULDED RUBBER STRAPS



- Used in any tie down situation
- Each batch tested for breaking point, hardness and ageing
- Manufactured of the highest quality EPMD rubber elastomer
- Straps stretch to 1.6 times the original length
- A high quality product manufactured in the USA

Part No.	Description	Unit	Qty
MRS150	MOULDED RUBBER STRAP 150MM	EA	1
MRS350	MOULDED RUBBER STRAP 340MM	EA	1
MRS480	MOULDED RUBBER STRAP 470MM	EA	1
MRS600	MOULDED RUBBER STRAP 600MM	EA	1
MRS710	MOULDED RUBBER STRAP 700MM	EA	1
MRS890	MOULDED RUBBER STRAP 890MM	EA	1

SAWS

HACKSAWS

HACKSAW - PROFESSIONAL TRADESMENS TOOL

Unit: EA Qty: 1



Part No. HS1HD2

- A professional tool for a long-life in continuous use
- Quick blade change with ergonomic handle
- Spare blades can be stored inside the handle
- Blades can be positioned for 45 and 90 degree cutting

METAL HACKSAW 300 X 13MM

Unit: EA Qty: 1



Part No. IHS300

- Double insulated 1000V VDE hand tool
- Exchangeable saw blade dimensions: 300 x 13mm
- Made from high speed steel with hardened teeth
- Handle is aluminium die cast
- Fully isolated to IEC 60900:2004

HACKSAW BLADES



- Hacksaw blade for the HS1HD2 professional hacksaw
- Quick blade change feature
- Spare blades can be stored inside the handle
- Position blades for 45 and 90 degree cutting
- Designed for continuous use

Part No.	Description	Unit	Qty
HSB1218/2	HACKSAW BLADE 12 18TPI PKT 2	PAK	1
HSB1224/2	HACKSAW BLADE 12 24 TPI PKT 2	PAK	1
HSB1232/2	HACKSAW BLADE 12 32 TPI PKT 2	PAK	1

WALL BOARD SAWS

PRECISION WALL BOARD SAW

Unit: EA Qty: 1



Part No. WBS2

- Excellent cutting performance with a narrow blade and fully grounded teeth
- Tip of knife impulse hardened for increased blade life
- Fully ground edge provides easy start up
- Non-slip grip rubber handle

TOOLS

HOLE SAWS

HIGH SPEED HOLE SAWS



- A high speed, bi-metal style holesaw for heavy-duty cutting of thin metal, stainless steel and hard timbers
- Huge range available including arbors and kits
- Variable tooth pattern for better cutting
- Arbors sold separately

Part No.	Hole Dia. (mm)	Arbor	Mild Steel	Stainless Steel	Cast Iron	Brass	Aluminium	Unit	Qty
HS16	16	HSAB1	550	275	365	730	825	EA	1
HS20	20	HSAB1	425	210	280	560	635	EA	1
HS22	22	HSAB1	390	195	260	520	585	EA	1
HS25	25	HSAB1	350	175	235	470	525	EA	1
HS29	29	HSAB1	285	145	190	380	425	EA	1
HS32	32	HSAB2	275	140	180	360	410	EA	1
HS35	35	HSAB2	250	125	165	330	375	EA	1
HS38	38	HSAB2	230	115	150	300	345	EA	1
HS40	40	HSAB2	220	110	145	290	325	EA	1
HS41	41	HSAB2	210	105	140	280	315	EA	1
HS44	44	HSAB2	195	95	130	260	295	EA	1
HS48	48	HSAB2	180	90	120	240	270	EA	1
HS51	51	HSAB2	170	85	115	230	255	EA	1
HS54	54	HSAB2	160	80	105	210	240	EA	1
HS57	57	HSAB2	150	75	100	200	225	EA	1
HS60	60	HSAB2	140	70	95	190	220	EA	1
HS64	64	HSAB2	135	65	90	180	205	EA	1
HS67	67	HSAB2	130	65	85	170	195	EA	1
HS70	70	HSAB2	125	60	80	160	185	EA	1
HS73	73	HSAB2	120	60	80	160	180	EA	1
HS76	76	HSAB2	115	55	75	150	170	EA	1
HS79	79	HSAB2	110	55	70	140	165	EA	1
HS83	83	HSAB2	105	50	70	140	155	EA	1
HS86	86	HSAB2	100	50	65	130	150	EA	1
HS89	89	HSAB2	95	45	65	130	145	EA	1
HS92	92	HSAB2	95	45	60	120	140	EA	1
HS95	95	HSAB2	90	45	60	120	135	EA	1
HS102	102	HSAB2	85	40	55	110	130	EA	1

ARBORS

ARBOR FOR H/SAWS 14-28MM

Unit: EA Qty: 1



Part No. HSAB1

- Suitable for heavy-duty cutting of thin metal, stainless steel and hard timber
- Designed for use with high speed, bi-metal holesaws
- Standard screw in style arbour
- 7/16 inch shank

ARBOR FOR H/SAWS 32-102MM QUICK RELEASE

Unit: EA Qty: 1



Part No. HSAB2

- Suitable for heavy-duty cutting of thin metal, stainless steel and hard timbers
- Designed for use with our range of high speed, bi-metal style holesaws
- Arbor has quick release locking tangs for larger saws

ARBOR FOR HOLESAWS 32-102MM

Unit: EA Qty: 1



Part No. HSAB3

- For use with our range of high speed bi-metal style hole saws for heavy-duty cutting of thin metal, stainless steel and hard timbers
- Standard arbor with locking tangs for larger saws

PILOT DRILL FOR ARBORS

Unit: EA Qty: 1



Part No. HSABDRILL

- Designed for use with our range of arbors
- For use with HSAB1 and HSAB3 arbor only

HOLE SAW SETS

HOLESAW KIT 16-76MM

Unit: EA Qty: 1



Part No. HSKIT1

- Kit contains a range of the most common saws for use with conduit, lights and more
- Arbors and adapters included
- Supplied in a sturdy plastic case
- Includes sizes: 16, 20, 22, 25, 32, 40, 44, 51, 57, 64 and 76
- and HSAB1 and HSAB2 arbors

HOLESAW KIT 20-64MM

Unit: EA Qty: 1



Part No. HSKIT2

- Kit contains a range of the most common saws for use with conduit, lights and more
- Arbors and adapters included
- Supplied in a sturdy plastic case
- Includes size: 20, 25, 32, 40, 51, 64 with HSAB1 and HSAB2 arbors

HOLESAW KIT 20-40MM

Unit: EA Qty: 1



Part No. HSKIT3

- Kit contains a range of the most common saws for use with conduit, lights and more
- Arbors and adapters included
- Supplied in a sturdy plastic case
- Includes sizes: 20, 22, 25, 32, 40
- with HSAB1 arbor and adapter for saws above 32mm

HOLESAW KIT 20-51MM

Unit: EA Qty: 1



Part No. HSKIT4

- Kit contains a range of the most common saws for use with conduit, lights and more
- Arbors and adapters included
- Supplied in a sturdy plastic case
- Includes sizes: 20, 22, 25, 32, 40, 51
- and HSAB1 and HSAB2 arbors

TOOLS

HOLE CUTTERS AND ARBOR SETS



- Designed for long life and allows fast cutting
- Accurately cuts holes in metal, steel and plastic
- Used with a hand drill or press mounted drill
- Supplied complete with arbor and pilot drill
- Individually packed in a merchandiser pack

Part No.	Description	Unit	Qty
HC13	HOLE CUTTER WITH ARBOR 13MM	EA	1
HC16	HOLE CUTTER WITH ARBOR 16MM	EA	1
HC20	HOLE CUTTER WITH ARBOR 20MM	EA	1
HC23	HOLE CUTTER WITH ARBOR 23MM	EA	1
HC25	HOLE CUTTER WITH ARBOR 25MM	EA	1
HC29	HOLE CUTTER WITH ARBOR 29MM	EA	1
HC32	HOLE CUTTER WITH ARBOR 32MM	EA	1
HC40	HOLE CUTTER WITH ARBOR 40MM	EA	1
HC44	HOLE CUTTER WITH ARBOR 44MM	EA	1
HC50	HOLE CUTTER WITH ARBOR 50MM	EA	1
HC55	HOLE CUTTER WITH ARBOR 55MM	EA	1

POWER BIT 2 PK

Unit: EA Qty: 1



Part No. CPB2

- A double ended No. 2 Phillips screwdriver bit
- Suitable for general use with a cordless drill
- Length: 100mm
- Supplied on a merchandising card - 2 per card

DRILL BITS

JOBBER HS IMPERIAL



- High quality HS jobber with a polished finish
- Suitable for drilling wood, metal and plastics
- Packed in a blue soft plastic pouch suitable for hanging
- Available in a range of sizes

Part No.	Description	Unit	Qty
DRHSSJ116	HIGH SPEED STEEL JOBBER 1/16 2PC	EA	1
DRHSSJ18	HIGH SPEED STEEL JOBBER 1/8IN 2PC	EA	1
DRHSSJ14	HIGH SPEED STEEL JOBBER 1/4	EA	1
DRHSSJ38	HIGH SPEED STEEL JOBBER 3/8	EA	1
DRHSSJ316	HIGH SPEED STEEL JOBBER 3/16IN 2PC	EA	1
DRHSSJ532	HIGH SPEED STEEL JOBBER 5/32IN 2PC	EA	1
DRHSSJ564	HIGH SPEED STEEL JOBBER 5/64IN 2PC	EA	1
DRHSSJ764	HIGH SPEED STEEL JOBBER 7/64IN 2PC	EA	1
DRHSSJ964	HIGH SPEED STEEL JOBBER 9/64IN 2PC	EA	1
DRHSSJ332	HIGH SPEED STEEL JOBBER 3/32IN 2PC	EA	1
DRHSSJ516	HIGH SPEED STEEL JOBBER 5/16	EA	1

JOBBER HS POLISH METRIC



- Suitable for drilling wood, metal and plastics
- Huge range of sizes available
- High quality HS jobber

Part No.	Description	Unit	Qty
DRHSSJP1.5	HIGH SPEED STEEL JOBBER 1.5MM 2PC	EA	1
DRHSSJP2	HIGH SPEED STEEL JOBBER 2MM 2PC	EA	1
DRHSSJP2.5	HIGH SPEED STEEL JOBBER 2.5MM 2PC	EA	1
DRHSSJP3	HIGH SPEED STEEL JOBBER 3MM 2PC	EA	1
DRHSSJP3.5	HIGH SPEED STEEL JOBBER 3.5MM 2PC	EA	1
DRHSSJP4	HIGH SPEED STEEL JOBBER 4MM 2PC	EA	1
DRHSSJP4.5	HIGH SPEED STEEL JOBBER 4.5MM 2PC	EA	1
DRHSSJP5	HIGH SPEED STEEL JOBBER 5MM 2PC	EA	1
DRHSSJP5.5	HIGH SPEED STEEL JOBBER 5.5MM 2PC	EA	1
DRHSSJP6	HIGH SPEED STEEL JOBBER 6MM	EA	1
DRHSSJP6.5	HIGH SPEED STEEL JOBBER 6.5MM	EA	1
DRHSSJP7	HIGH SPEED STEEL JOBBER 7MM	EA	1
DRHSSJP8	HIGH SPEED STEEL JOBBER 8MM	EA	1
DRHSSJP8.5	HIGH SPEED STEEL JOBBER 8.5MM	EA	1
DRHSSJP9	HIGH SPEED STEEL JOBBER 9MM	EA	1
DRHSSJP10	HIGH SPEED STEEL JOBBER 10MM	EA	1
DRHSSJP10.5	HIGH SPEED STEEL JOBBER 10.5MM	EA	1
DRHSSJP11	HIGH SPEED STEEL JOBBER 11MM	EA	1
DRHSSJP12	HIGH SPEED STEEL JOBBER 12MM	EA	1
DRHSSJP12.5	HIGH SPEED STEEL JOBBER 12.5MM	EA	1
DRHSSJP13	HIGH SPEED STEEL JOBBER 13MM	EA	1

HIGH SPEED STEEL JOBBER SET 1MM - 13MM

Unit: EA Qty: 1



Part No. DRHSSJSET1

- High quality with a polished finish
- Suitable for drilling wood, metal and plastics
- Packed in a steel drill case
- 25-piece set

HIGH SPEED STEEL JOBBER SET 1.5MM-6.5MM

Unit: EA Qty: 1



Part No. DRHSSJSET2

- High quality with a polished finish
- Suitable for drilling wood, metal and plastics
- Packed in a steel drill case
- 13-piece set

TOOLS

JOBBER HS METRIC



- High quality metric jobber
- Suitable for drilling wood, metal and plastics
- Packed in a blue soft plastic pouch suitable for hanging

Part No.	Description	Unit	Qty
DRHSSJ1.5	HIGH SPEED STEEL JOBBER 1.5MM 2PC	EA	1
DRHSSJ2	HIGH SPEED STEEL JOBBER 2MM 2PC	EA	1
DRHSSJ3	HIGH SPEED STEEL JOBBER 3MM 2PC	EA	1
DRHSSJ4	HIGH SPEED STEEL JOBBER 4MM 2PC	EA	1
DRHSSJ5	HIGH SPEED STEEL JOBBER 5MM 2PC	EA	1
DRHSSJ6	HIGH SPEED STEEL JOBBER 6MM	EA	1
DRHSSJ7	HIGH SPEED STEEL JOBBER 7MM	EA	1
DRHSSJ8	HIGH SPEED STEEL JOBBER 8MM	EA	1
DRHSSJ9	HIGH SPEED STEEL JOBBER 9MM	EA	1
DRHSSJ10	HIGH SPEED STEEL JOBBER 10MM	EA	1
DRHSSJ11	HIGH SPEED STEEL JOBBER 11MM	EA	1
DRHSSJ12	HIGH SPEED STEEL JOBBER 12MM	EA	1
DRHSSJ13	HIGH SPEED STEEL JOBBER 13MM	EA	1

MASONRY DRILL BITS



- High quality
- Huge range of sizes available
- Packed in a blue soft plastic pouch suitable for hanging
- Masonry drill bits suitable for drilling brick and mortar

Part No.	Description	Unit	Qty
DRSM5	SINGLE BRICK MASONRY DRILL BIT 5MM	EA	1
DRSM5.5	SINGLE BRICK MASONRY DRILL BIT 5.5MM	EA	1
DRSM6	SINGLE BRICK MASONRY DRILL BIT 6MM	EA	1
DRSM6.5	SINGLE BRICK MASONRY DRILL BIT 6.5MM	EA	1
DRSM7	SINGLE BRICK MASONRY DRILL BIT 7MM	EA	1
DRSM8	SINGLE BRICK MASONRY DRILL BIT 8MM	EA	1
DRSM10	SINGLE BRICK MASONRY DRILL BIT 10MM	EA	1
DRSM11	SINGLE BRICK MASONRY DRILL BIT 11MM	EA	1
DRSM12	SINGLE BRICK MASONRY DRILL BIT 12MM	EA	1
DRSM13	SINGLE BRICK MASONRY DRILL BIT 13MM	EA	1

POWERS MASONRY DRILL BITS



- Suitable for drilling in concrete, reinforced concrete, brick and block, masonry
- Huge range of sizes available

Part No.	Description	Unit	Qty
P985040	4.0MAS MASONRY DRILL 4.0MM X 7	EA	1
P985050	5.0MAS MASONRY DRILL 5.0MM X 8	EA	1
P985060	6.0MAS MASONRY DRILL 6.0MM X 1	EA	1
P985065	6.5MAS MASONRY DRILL 6.5MM X 1	EA	1



MASONRY LONG DRILL BITS



- High quality and extra long
- Huge range of sizes available
- Packed in a blue soft plastic pouch suitable for hanging
- Suitable for drilling brick and mortar
- High quality and extra long, individual masonry drill bits

Part No.	Description	Unit	Qty
DRSML6.5	SINGLE BRICK MASONRY DRILL BIT LONG 6.5MM	EA	1
DRSML8	SINGLE BRICK MASONRY DRILL BIT LONG 8MM	EA	1
DRSML10	SINGLE BRICK MASONRY DRILL BIT LONG 10MM	EA	1
DRSML13	SINGLE BRICK MASONRY DRILL BIT LONG 13MM	EA	1
DRSML16	SINGLE BRICK MASONRY DRILL BIT LONG 16MM	EA	1
DRSML20	SINGLE BRICK MASONRY DRILL BIT LONG 20MM	EA	1
DRSML22	SINGLE BRICK MASONRY DRILL BIT LONG 22MM	EA	1
DRSML25	SINGLE BRICK MASONRY DRILL BIT LONG 25MM	EA	1

CONCRETE DRILL BITS



- High quality individual drill bits
- Huge range of sizes available
- Packed in a blue soft plastic pouch suitable for hanging
- Suitable for drilling brick, mortar and concrete

Part No.	Description	Unit	Qty
DBCD5	SINGLE BRICK CONCRETE DRILL BIT 5MM	EA	1
DBCD5.5	SINGLE BRICK CONCRETE DRILL BIT 5.5MM	EA	1
DBCD6	SINGLE BRICK CONCRETE DRILL BIT 6MM	EA	1
DBCD6.5	SINGLE BRICK CONCRETE DRILL BIT 6.5MM	EA	1
DBCD7	SINGLE BRICK CONCRETE DRILL BIT 7MM	EA	1
DBCD8	SINGLE BRICK CONCRETE DRILL BIT 8MM	EA	1
DBCD9	SINGLE BRICK CONCRETE DRILL BIT 9MM	EA	1
DBCD10	SINGLE BRICK CONCRETE DRILL BIT 10MM	EA	1
DBCD11	SINGLE BRICK CONCRETE DRILL BIT 11MM	EA	1
DBCD12	SINGLE BRICK CONCRETE DRILL BIT 12MM	EA	1
DBCD13	SINGLE BRICK CONCRETE DRILL BIT 13MM	EA	1
DBCD16	SINGLE BRICK CONCRETE DRILL BIT 16MM	EA	1

SINGLE BRICK CONCRETE DRILL BIT SET

Unit: EA Qty: 1



Part No. DBCDSET

- High quality drill bit set
- Packed in a steel drill case
- 6-piece set - 4, 5, 5.5, 6.5, 8, 10
- Suitable for drilling brick, mortar and concrete

BITS BOXES

BOX OF 105 BITS

Unit: EA Qty: 1



Part No. KBIT105

- Ultra handy compact set of cordless style bits
- Supplied with a patented quadra-torq driver handle
- Driver handle has 4 times the torque of a conventional handle
- Plastic storage case included
- Includes every conceivable head-style

TOOLS

BOX OF BITS

Unit: EA Qty: 1



Part No. KBIT

- Ultra handy compact set of cordless style bits
- A must for every tradesman
- Supplied with a magnetic bit holder
- Bits included: TORQ, spanner, tri-wing, hex
- Includes every conceivable head-style

STEP DRILLS

STEP DRILL 1/4 - 3/4 X 1/16 INCREMENTS

Unit: EA Qty: 1



Part No. DRSD1434116

- High quality stepdrill bit
- 1/4-3/4 x 1/16 increments
- Suitable for drilling brick, mortar and concrete

STEP DRILL 1/8 - 1/2 X 1/32 INCREMENTS

Unit: EA Qty: 1



Part No. DRSD1812132

- High quality stepdrill bit
- 1/8-1/2 x 1/32 increments
- Suitable for drilling brick, mortar and concrete

STEP DRILL 5-35MM X 2.3MM INCREMENTS

Unit: EA Qty: 1



Part No. DRSD5352.3

- High quality stepdrill bit
- 5-35mm x 2.3mm increments
- Suitable for drilling brick, mortar and concrete

SDS DRILL BIT SET 110MM LENGTH

Unit: EA Qty: 1



Part No. DRSDS110SET

- High quality
- Packed in a steel drill case
- 4-piece set - 5, 5.5, 6.5, 8 x 210mm
- Suitable for drilling brick, mortar and concrete



SDS DRILL BITS



- High quality SDS drill bits
- Huge range of sizes available
- Packed in a blue soft plastic pouch suitable for hanging
- Suitable for drilling brick, mortar and concrete

Part No.	Description	Unit	Qty
DRSDS5	SDS DRILL BIT 5MM 110MM LENGTH	EA	1
DRSDS5.5110	SDS DRILL BIT 5.5MM 110MM LENGTH	EA	1
DRSDS6	SDS DRILL BIT 6MM 110MM LENGTH	EA	1
DRSDS6.5110	SDS DRILL BIT 6.5MM 110MM LENGTH	EA	1
DRSDS8	SDS DRILL BIT 8MM 110MM LENGTH	EA	1
DRSDS10	SDS DRILL BIT 10MM 110MM LENGTH	EA	1
DRSDS12	SDS DRILL BIT 12MM 160MM LENGTH	EA	1
DRSDS13	SDS DRILL BIT 13MM 160MM LENGTH	EA	1
DRSDS16	SDS DRILL BIT 16MM 160MM LENGTH	EA	1
DRSDS5210	SDS DRILL BIT 5MM 210MM LENGTH	EA	1
DRSDS6210	SDS DRILL BIT 6MM 210MM LENGTH	EA	1
DRSDS6.5210	SDS DRILL BIT 6.5MM 210MM LENGTH	EA	1
DRSDS8210	SDS DRILL BIT 8MM 210MM LENGTH	EA	1
DRSDS10210	SDS DRILL BIT 10MM 210MM LENGTH	EA	1
DRSDS12210	SDS DRILL BIT 12MM 210MM LENGTH	EA	1
DRSDS14210	SDS DRILL BIT 14MM 210MM LENGTH	EA	1
DRSDS20210	SDS DRILL BIT 20MM 210MM LENGTH	EA	1
DRSDS10260	SDS DRILL BIT 10MM 260MM LENGTH	EA	1
DRSDS12260	SDS DRILL BIT 12MM 260MM LENGTH	EA	1
DRSDS16260	SDS DRILL BIT 16MM 260MM LENGTH	EA	1
DRSDS20260	SDS DRILL BIT 20MM 260MM LENGTH	EA	1
DRSDS20410	SDS DRILL BIT 20MM 410MM LENGTH	EA	1
DRSDS22410	SDS DRILL BIT 22MM 410MM LENGTH	EA	1
DRSDS25410	SDS DRILL BIT 25MM 410MM LENGTH	EA	1

TOOLS

TIMBER AUGER BITS



- High quality with a screw threaded centre point for all types of timber
- Huge range of sizes available
- Packed in a blue soft plastic pouch suitable for hanging
- Available to be bought in a set

Part No.	Description	Unit	Qty
DRA14	AUGER BIT 14MM 200MM LENGTH	EA	1
DRA15	AUGER BIT 15MM 200MM LENGTH	EA	1
DRA16	AUGER BIT 16MM 200MM LENGTH	EA	1
DRA18	AUGER BIT 18MM 200MM LENGTH	EA	1
DRA19	AUGER BIT 19MM 200MM LENGTH	EA	1
DRA20	AUGER BIT 20MM 200MM LENGTH	EA	1
DRA22	AUGER BIT 22MM 210MM LENGTH	EA	1
DRA25	AUGER BIT 25MM 240MM LENGTH	EA	1
DRA32	AUGER BIT 32MM 240MM LENGTH	EA	1
DRA16L	AUGER BIT 16MM 450MM LENGTH	EA	1
DRA18L	AUGER BIT 18MM 450MM LENGTH	EA	1
DRA19L	AUGER BIT 19MM 600MM LENGTH	EA	1
DRA20L	AUGER BIT 20MM 600MM LENGTH	EA	1
DRA22L	AUGER BIT 22MM 600MM LENGTH	EA	1
DRA25L	AUGER BIT 25MM 600MM LENGTH	EA	1
DRA32L	AUGER BIT 32MM 600MM LENGTH	EA	1

AUGER BIT SET 16/20/25MM

Unit: EA Qty: 1



Part No. DRASET

- High quality with a screw threaded centre point for all types of timber
- Bit set includes 3 pieces of various sizes
- Sizes: 16 x 200, 20 x 200, 25 x 240mm



SPADE WOOD DRILL



- High quality
- Huge range of sizes available
- Packed in a blue soft plastic pouch suitable for hanging
- Suitable for boring of clearance holes in all types of timber

Part No.	Description	Unit	Qty
DRWF8	WOOD FLAT DRILL - SPADE 8MM	EA	1
DRWF10	WOOD FLAT DRILL - SPADE 10MM	EA	1
DRWF12	WOOD FLAT DRILL - SPADE 12MM	EA	1
DRWF14	WOOD FLAT DRILL - SPADE 14MM	EA	1
DRWF16	WOOD FLAT DRILL - SPADE 16MM	EA	1
DRWF18	WOOD FLAT DRILL - SPADE 18MM	EA	1
DRWF20	WOOD FLAT DRILL - SPADE 20MM	EA	1
DRWF22	WOOD FLAT DRILL - SPADE 22MM	EA	1
DRWF24	WOOD FLAT DRILL - SPADE 24MM	EA	1
DRWF25	WOOD FLAT DRILL - SPADE 25MM	EA	1
DRWF26	WOOD FLAT DRILL - SPADE 26MM	EA	1
DRWF28	WOOD FLAT DRILL - SPADE 28MM	EA	1
DRWF30	WOOD FLAT DRILL - SPADE 30MM	EA	1
DRWF32	WOOD FLAT DRILL - SPADE 32MM	EA	1
DRWF40	WOOD FLAT DRILL - SPADE 40MM	EA	1

WOOD FLAT DRILL - SPADE SET

Unit: EA Qty: 1



Part No. DRWFSET1

- High quality - suitable for boring of clearance holes in all types of timber
- Packed in a steel drill case
- 6-piece set - 10, 13, 19, 22, 25, 32 x 210mm

WOOD FLAT DRILL - SPADE SET

Unit: EA Qty: 1



Part No. DRWFSET2

- High quality flat drill spade set
- Packed in a steel drill case
- 3-piece set - 22, 25, 32 x 150mm
- Suitable for boring of clearance holes in all types of timber

DRILL BIT ACCESSORIES



- Lock and load feature
- Suitable for spade bits of various sizes

Part No.	Description	Unit	Qty
DREB150	EXTENSION BAR FOR SPADE BITS 150MM	EA	1
DREB300	EXTENSION BAR FOR SPADE BITS 300MM	EA	1

TOOLS

JOBBER HS POLISH IMPERIAL



- Suitable for drilling wood, metal and plastics
- Huge range of sizes available
- Available individually or in a pair

Part No.	Description	Unit	Qty
DRHSSJP116	HIGH SPEED STEEL JOBBER 1/16IN 2PC	EA	1
DRHSSJP18	HIGH SPEED STEEL JOBBER 1/8IN 2PC	EA	1
DRHSSJP14	HIGH SPEED STEEL JOBBER 1/4	EA	1
DRHSSJP38	HIGH SPEED STEEL JOBBER 3/8	EA	1
DRHSSJP316	HIGH SPEED STEEL JOBBER 3/16IN 2PC	EA	1
DRHSSJP532	HIGH SPEED STEEL JOBBER 5/32IN 2PC	EA	1
DRHSSJP564	HIGH SPEED STEEL JOBBER 5/64IN 2PC	EA	1
DRHSSJP764	HIGH SPEED STEEL JOBBER 7/64IN 2PC	EA	1
DRHSSJP716	HIGH SPEED STEEL JOBBER 7/16	EA	1
DRHSSJP732	HIGH SPEED STEEL JOBBER 7/32 2PC	EA	1
DRHSSJP964	HIGH SPEED STEEL JOBBER 9/64IN 2PC	EA	1
DRHSSJP1164	HIGH SPEED STEEL JOBBER 11/64 2PC	EA	1
DRHSSJP1132	HIGH SPEED STEEL JOBBER 11/32	EA	1
DRHSSJP1332	HIGH SPEED STEEL JOBBER 13/32	EA	1
DRHSSJP1764	HIGH SPEED STEEL JOBBER 17/64	EA	1
DRHSSJP1964	HIGH SPEED STEEL JOBBER 19/64	EA	1
DRHSSJP2164	HIGH SPEED STEEL JOBBER 21/64	EA	1
DRHSSJP2564	HIGH SPEED STEEL JOBBER 25/64	EA	1
DRHSSJP2764	HIGH SPEED STEEL JOBBER 27/64	EA	1
DRHSSJP332	HIGH SPEED STEEL JOBBER 3/32 2PC	EA	1
DRHSSJP516	HIGH SPEED STEEL JOBBER 5/16	EA	1
DRHSSJP932	HIGH SPEED STEEL JOBBER 9/32	EA	1
DRHSSJP1564	HIGH SPEED STEEL JOBBER 15/64	EA	1
DRHSSJP1532	HIGH SPEED STEEL JOBBER 15/32	EA	1

SDS PLUS BITS



- Pack of three genuine high performance cutting blades
- Undulating tip design
- Minimal wearing laterally reinforced cutting edge
- Fully recessed carbide tip

Part No.	Description	Unit	Qty
TB05.5X110	SDS+ TRIBOR BIT 5.5MM X 110MM	EA	1
TB08.0X160	SDS+ TRIBOR BIT 8MM X 160MM	EA	1

SPADE AND DRILL EXTENSION KIT

SPADE AND DRILL EXTENSION KIT

Unit: EA Qty: 1



- Part No. P971580**
- Easy connections
 - Up to 1.8m length
 - Retaining nut/stopper
 - Includes 2x spare bits

REPLACEMENT GRUB SCREW FOR P971580

Unit: EA Qty: 1



- Part No. P971582**
- Spare part for P971580 extension kit

REPLACEMENT BIT END GRUB S CHUCK P971580

Unit: EA Qty: 1



Part No. P971583

- Replacement end grub for P971580 Extension Kit



REPLACEMENT SPADE BIT FOR P971580

Unit: EA Qty: 1



Part No. P971584

- Replacement spade for P971580 extension kit



REPLACEMENT RODS P971580-INTERMEDIATE

Unit: EA Qty: 1



Part No. P971590

- Replacement rod for P971580 extension kit



REPLACEMENT BIT END PULL D CHUCK P971580

Unit: EA Qty: 1



Part No. P971591

- Replacement end pull for P971580 extension kit



EXCAVATION TOOLS

SHOVELS



- High quality fibreglass shaft with soft grip cap
- 1-piece blade and socket with powder coat finish
- Heat treated, high grade carbon steel blade
- Ideal for shovelling soils, sand and other garden materials



Part No.	Description	Unit	Qty
MSS-SJ-SHO-60FG	SHOVEL - SQUARE MOUTH - F/GLASS HANDLE	EA	1
MSS-SJ-SHO-75FG	SHOVEL - POST HOLE - F/GLASS HANDLE	EA	1
MSS-SJ-SHO-90FG	TRENCHING SHOVEL-FGLASS HANDLE	EA	1

CLAMPING DEVICES

BATTERY CLAMPS

BATTERY CLAMP 250A

Unit: EA Qty: 1



Part No. BC250A

- Designed with a high standard of plating, hardened jaws and a copper shunt between the handles to prevent overheating of spring
- Rated for 250A application
- Suitable for constant potential or series charging
- Pack contains one each of positive and negative clamps



TOOL STORAGE

TOOL BOXES

PLASTIC KIT BOX

Unit: EA Qty: 1



Part No. KPB1

- Specially designed to accommodate a K26 medium size crimper
- A robust plastic case with 10 compartments
- Featuring a tool slot and recessed catches
- Dimensions: 31 x 22 x 5cm
- Weight: 512g

LARGE PLASTIC STORAGE BOX 19 COMPARTMENT

Unit: EA Qty: 1



Part No. TBORG

- Handy storage box with 19x removable compartments - swap them around
- Ideal for screws and items that are various sizes
- Dimensions: 42 x 30 x 5cm
- Weight: 1.32kg

METAL STORAGE BOX-21 COMPART

Unit: EA Qty: 1



Part No. KSB-BL

- Suitable for terminals and tools
- Sturdy metal with 21 compartments
- Dimensions: 31 x 22 x 5cm
- Weight: 2.7kg

MODULAR COMPARTMENT STORAGE BOX

Unit: EA Qty: 1



Part No. CSB366

- Modular construction
- Removable compartment boxes in various sizes
- Boxes can be attached to a waist belt
- Dimensions: 30 x 30 x 14cm
- Weight: 2.1kg

TOOL BOXES



- Multi-compartment tool boxes designed for the tradesman's daily use
- Conventional sturdy box and latches
- Lift out top tool tray for smaller tools and delicate items
- Handy screwdriver and drill bit compartment built into lid

Part No.	Width (mm)	Length (mm)	Height (mm)	Unit	Qty
TB18	240	445	210	EA	1
TB21	295	520	265	EA	1

TOOL BAGS

BAGS

TRADESMANS UTILITY TOOL BAG

Unit: EA Qty: 1



Part No. CP5

- Simple carry bag with a wide opening top
- Special metal ribbing around zip - tools won't spill or snag
- Collapses flat for easy storage
- 10x external pockets and 8x internal pockets
- Ideal for the mobile tradesman to hold just about anything

TRADESMANS TOOL CARRY

Unit: EA Qty: 1



Part No. CP6

- Lightweight and spacious with a heavy-duty design - perfect for carrying bigger tools
- Shoulder strap for maximum support
- Double layered fabric and double stitched
- 6x external pockets and 8x internal pockets

TRADESMANS TOOL CARRY MULTIPOUCH

Unit: EA Qty: 1



Part No. CP8

- A compact nylon bag for those smaller technical jobs
- Linked handle for extra flexibility
- External zippered pocket and 2x external pouch cover pockets
- Internal side pockets contain compartment dividers

TRADESMANS TOOL CARRY LONG WITH HANDLE

Unit: EA Qty: 1



Part No. CP9

- Provides maximum versatility when it comes to tool carrying and capacity
- Heavy duty aluminium bar handle with cushion grip
- 12x external pockets and 6x internal pockets
- 8x internal strap loops for screwdrivers, socket wrenches and more

TOOL STORAGE

BAGS

LINESMAN WEATHERPROOF BAG 70 X 30 X 30

Unit: EA Qty: 1



Part No. MSS-DHTB

- Durable, waterproof canvas carry bag
- Dimensions: 70 x 30 x 30cm
- Colour: Blue

LINESMAN WEATHERPROOF BAG 50 X 25 X 25

Unit: EA Qty: 1



Part No. MSS-DHTB-MED

- Durable, waterproof canvas carry bag
- Dimensions: 50 x 25 x 25cm
- Colour: Blue

TOOL POUCHES

POUCHES

LEATHER ELECTRICIANS POUCH

Unit: EA Qty: 1



Part No. CP1

- Features an assortment of compartments for screwdrivers, pliers, tape and more
- Includes a swivel 'J' hook hanger and an insulation tape hanger
- Leather belt is available separately CP2

LEATHER BELT 1.5M

Unit: EA Qty: 1



Part No. CP2

- Designed for use with the leather electricians tool pouch CP1
- Brass buckle
- Length: 1.5m

TRADESMANS ALL PURPOSE WAIST POUCH

Unit: EA Qty: 1



Part No. CP3

- Reinforced for strength and padded for comfort
- Hardwearing nylon belt has durable plastic buckles
- Special hangers for hammer, insulation tape and measuring tape
- Removable pouches

TRADESMANS19PKET ELECTRICIANS TOOLPOUCH

Unit: EA Qty: 1



Part No. CP4

- Lightweight and hands free
- Hard wearing nylon belt has durable plastic buckles
- 7 x external pockets and 11 x internal pockets
- Metal hanger for insulation tape
- Perform your tasks quicker by having tools at your fingertips

TOOL BELTS

TOOL BELTS

LINESMAN TWO POUCH DILLY BAG - BELT

Unit: EA Qty: 1



Part No. MSS-1322

- Leather tool pouch designed for the linesman
- Keeps tools accessible
- Sturdy construction
- Supplied with belt

BUCKETS

BUCKETS

OVAL TOOL BUCKET-15 INSIDE POCKETS

Unit: EA Qty: 1



Part No. MSS-OTB002

- Supplied with rope and dog clip
- Dimensions: 30 x 20 x 25cm
- Colour: Black

BUCKETS

TRADESMANS ALL PURPOSE TOOL BUCKET

Unit: EA Qty: 1



Part No. CP7

- Drop your tools straight in
- Firm rubber bottom
- Collapses flat for easy storage
- 10x external pockets and 8x internal pockets
- Metal reinforcement around the rim maintains a solid opening

WATERPROOF CASES

CASES

WATERPROOF CASE 575 X 420 X 210MM

Unit: EA Qty: 1



Part No. WIC575

- Large size thermoplastic case
- Suitable case for protection of sensitive equipment
- Water and air-tight when sealed
- Airlock screw near handle to neutralise air pressure in case
- Robust and very strong construction

WATERPROOF CASE 465 X 360 X 170MM

Unit: EA Qty: 1



Part No. WIC465

- Standard size thermoplastic case
- Suitable case for protection of sensitive equipment
- Water and air-tight when sealed
- Airlock screw near handle to neutralise air pressure in case
- Robust and very strong construction

WATERPROOF CASE 375X272X170MM W/FOAM BK

Unit: EA Qty: 1



Part No. WIC335

- Thermoplastic Case ideal for Protection
- Waterproof and Dust Proof when sealed
- Includes perforated foam insert which can be shaped for use

TOOL STORAGE

WATERPROOF CASE 280X230X155MM W/FOAM OR

Unit: EA Qty: 1



Part No. WIC270

- Thermoplastic case ideal for protection
 - Waterproof and dust proof when sealed
 - Includes perforated foam insert which can be shaped for use
-

WATERPROOF CASE 465X360X170 INC FOAM

Unit: EA Qty: 1



Part No. WICKIT1

- Standard size thermoplastic case with serrated foam inserts
 - A suitable case for protection of sensitive equipment
 - Water and air-tight when sealed
 - Airlock screw near handle to neutralise air pressure in case
 - Robust and very strong construction
-

WATERPROOF CASE 465MM INC FOAM AND POUCH

Unit: EA Qty: 1



Part No. WICKIT2

- Standard size thermoplastic case with serrated foam inserts and tool pouch
 - A suitable case for protection of sensitive equipment
 - Water and air-tight when sealed
 - Airlock screw near handle to neutralise air pressure in case
 - Robust and very strong construction
-

WATERPROOF CASE FOAM INSERT ONLY 465MM

Unit: EA Qty: 1



Part No. WICF465

- Ideal insert for waterproof instrument case
- Available in 575 or 465mm
- Tool pouch insert also available

WATERPROOF CASE FOAM INSERT ONLY 575MM

Unit: EA Qty: 1



Part No. WICF575

- Ideal insert for waterproof instrument case
- Available in 575 or 465mm
- Tool pouch insert also available

WATERPROOF CASE 575X420X210MM INC FOAM

Unit: EA Qty: 1



Part No. WICKIT3

- Large size thermoplastic case with serrated foam inserts
- A suitable case for protection of sensitive equipment
- Water and air-tight when sealed
- Airlock screw near handle to neutralise air pressure in case
- Robust and very strong construction

TOOL POUCH INSERT SUITS WIC465

Unit: EA Qty: 1



Part No. WICTOI

- Ideal insert for waterproof instrument case
- Serrated foam insert also available
- Dimensions: 455 x 350 x 165mm

APRONS

APRONS

LINESMAN CANVAS TOOL APRON 1M W EYELETS

Unit: EA Qty: 1



Part No. MSS-TP2

- Tool storage system for the bucket truck EWP - for use with EWP bracket
- Manufactured using heavy-duty Ripstop canvas
- Built in eyelets
- Weight: 1.3kg

LINESMAN CANVAS TOOL APRON 700CM EYELETS

Unit: EA Qty: 1



Part No. MSS-TP2-700

- Tool storage system for the bucket truck EWP
- Offers strength and reliability
- Manufactured using heavy-duty Ripstop canvas
- Weight: 790g
- Suitable for use with an EWP bracket

LINESMAN CANVAS TOOL APRON 1M EYE/COVER

Unit: EA Qty: 1



Part No. MSS-TP4

- Tool storage system for the bucket truck EWP
- For easy access or storing of augers, tools, sockets and more
- Manufactured using heavy-duty Ripstop canvas
- Weight: 1.48kg
- Advised to use with an EWP bracket

TOOL STORAGE

ELINESMAN EWP BRACET 1M - 95 X 15 X 25MM

Unit: EA Qty: 1



Part No. MSS-HDME-1000-BL

- HDME plastic tool apron bracket custom made to fit all EWP buckets
- For use with 1m wide tool apron
- Two standard sizes available - custom orders can also be made
- Weight: 2.1kg

ELINESMAN EWP BRACET 1M 115 X 15 X 25MM

Unit: EA Qty: 1



Part No. MSS-HDME-1000-BL2

- HDME plastic tool apron bracket custom made to fit all EWP buckets
- Suitable for a 1m wide tool apron
- Two standard sizes available - custom orders can also be made
- Weight: 2.4kg

APRON FASTENER NUT

Unit: EA Qty: 1



Part No. MSS-TP-NUT

- For use with MSS Power tool aprons and EWP brackets
- For use with MSS-TP-SCREW fastener screw
- Non-metallic

APRON FASTENER SCREW

Unit: EA Qty: 1



Part No. MSS-TP-SCREW

- For use with MSS Power tool aprons and EWP brackets
- For use with MSS-TP-NUT fastener nut
- Non-metallic

Test and Measurement

Voltage Detection	B269
Voltage Testers	B271
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Rcd Testers	B310
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TEST AND MEASUREMENT

Voltage Detectors and Testers - Selection Chart



Features	ACTEST3	T7107A	C8902A	C3121	C3123
	Screwdriver Touch Tester	NCV	Adjustable NCV	NCV/ Torch	NCV/Torch/ Magnetic
Audible NCV		√	√	√	√
Visual NCV	√	√	√	√	√
Vibration Detect					
AC/DC	AC	AC	AC	AC	AC
NCV Detect		√	√	√	√
Magnetic Field Indication					√
Torch Light				LED	LED
Special Features			Detects Energised Solenoids		Detects Energised Solenoids
CATIII	300V	1000V	600V	1000V	1000V
CATIV	-	1000V	300V	1000V	1000V
Warranty	1	1	1	1	1

Voltage Testers - Selection Chart



Features	WIBRETEST	BT-71EU	BT-73EU	C3031
	Voltage Tester	LED Voltage Continuity, RCD trip	LED/LCD Voltage Continuity, RCD trip	LED/LCD/ Voltage/ Continuity/ Phase Rot.
Audible NCV		√	√	√
Visual NCV	√	√	√	√
Vibration Detect			√	
AC/DC	AC/DC	AC/DC	AC/DC	AC/DC
NCV Detect		√	√	
Magnetic Field Indication				
Torch Light			√	LED
LCD Backlight			√	
Continuity		√	√	√
LED Scale		√	√	√
LCD			√	√
Phase Rotation			√	√
Special Features	Single Pole	Self Test, Single Pole, EF, Optional Long Lead	Self Test, Single Pole, EF, RCD Trip, True RMS, Optional Long Lead	Single Pole
CATIII	600V	1000V	1000V	1000V
CATIV	300V	600V	600V	600V
Warranty	1	1	1	1

Multimeters - Selection Chart

FEATURES	C505	T8211D	T8221C	TBM22	TBM27	C187	T8268	T8229	TBM682	TBM685	BM251	BM257	TBM805	TBM807	BM821	BM822	BM827	BM877	BM625	BM867	BM869		
Display	Analog	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	
LCD counts	1999	1999	3 1/2	4 000	6 000	4000	3 999	3 999	6 000	6 000	6 000	6000	4 000	4 000	10 000	10000	10000	6000	10000	50 000	50 000	50 000	
LCD digits	3 1/2	3 1/2	3 1/2	3 3/4	3 3/4	3 1/2	3 3/4	3 3/4	3 3/4	3 3/4	5	5.5/6	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	3 3/4	4 1/4	4 1/4	4 1/4	
Bargraph				✓							✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Battery Test		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Max AC Voltage	1000	600	600	600	600	70	750	750	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Max DC Voltage	1000	600	600	600	600	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
Max AC Current (A)	10	10	10	2 mA	2 mA		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Max DC Current (A)	10	10	10	2 mA	2 mA		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Fused Range	20M	20M	20M	40M	40M	40M	20M	40M	6M	6M	60M	60M	40M	40M	60M	60M	60M	60M (25G)	60M	50M	50M	50M	
Max Resistance	20M	20M	20M	40M	40M	40M	20M	40M	6M	6M	60M	60M	40M	40M	60M	60M	60M	60M (25G)	60M	50M	50M	50M	
Continuity Beeper	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Diode Test	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Autoranging	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Frequency (Hz)		20k	20k	100k	100k						1-50k				1k	1k	1k	10-100k					
Capacitance µF		200	200	2000	2000		200	200	2000	2000	25m	25m	3000	3000	25m	25m	25m	30m	25m	25m	25m	25m	
Temperature °C			-20 to 1000					-20 to 1000									-50 to 998		-50 to 999				-50 to 1000
Min/Max Hold		max	max						✓	✓	✓	max	max	max	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Hold	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Crest or Peak Hold																							
True RMS Measurement																							
Back Light			✓				✓	✓															
Splash & Dust Proof			✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Transient Proof	6kV	6kV	6kV	4kV	4kV	4kV	6kV	6kV	12kV	12kV	8kV	6kV	6kV	6kV	12kV	12kV	8kV	12kV	12kV	12kV	12kV	12kV	
Relative Reference							✓	✓															
Holster				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Auto Power Off	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fire Retard Case				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PC Comms.											USB	USB	USB	USB	USB	USB	USB	USB	USB	USB	USB	USB	
Data logger																							✓
Other Features	Taut Band movement, Mirror	Compact pen type	Life 1-1001	LAN Cable Tester, RJ45, RJ11			Incorrect Socket Alert	Dual Display, RH%, Lux, dB, Incorrect Socket Alert	EF	EF	EF	Logic Level Hz, EF			Dual Display, Beepack	Dual Display, Beepack, EF Logic Level Hz, EF	Dual Display, Beepack, Insulation Test, PI & DAR, Continuity Test.	Dual Display, Beepack, Logging Memory, Dual T1-T2	Dual Display, Beepack, %4-20mA, 20mA, dBm, VFD, Beepack, Dual T1-T2	Dual Display, Beepack, %4-20mA, 20mA, dBm, VFD, Beepack, Dual T1-T2	Dual Display, Beepack, %4-20mA, 20mA, dBm, VFD, Beepack, Dual T1-T2	Dual Display, Beepack, %4-20mA, 20mA, dBm, VFD, Beepack, Dual T1-T2	Dual Display, Beepack, %4-20mA, 20mA, dBm, VFD, Beepack, Dual T1-T2
CAT III	600	600V	600V	300V	300V	600V	600V	600V	1000V	1000V	600V	600V	600V	600V	>1000V	>1000V	1000V	1000V	>1000V	>1000V	>1000V	>1000V	>1000V
CATIV		300V	300V	150V	150V	300V	300V	300V	1000V	1000V	300V	300V	300V	300V	1000V	1000V	600V	600V	1000V	1000V	1000V	1000V	1000V
Warranty (years)	1	1	1	1	1	1	1	1	LO.P.	LO.P.	LO.P.	LO.P.	LO.P.	LO.P.	LO.P.	LO.P.	LO.P.	LO.P.	LO.P.	LO.P.	LO.P.	LO.P.	LO.P.

TEST AND MEASUREMENT

Clamp Meters - Selection Chart



FEATURES	T2600	BM111M	BM127M	C2006	C2010	C2950	T9001	BM076	TBM116	TBM135	BM086
Jaw Size	12	26	28	31	31x40	35	42	30	45	45	51
Display	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital
LCD Display Counts	3999	4000	4000	1999	4000	4000	4000	6000	4000	4000	6000
LCD Display Digits	3 ½	3 ½	3 ½	3	3 ½	3 ½	3 ½	3 ½	3 ½	3 ½	3 ½
Backlight	√				√		√	√	√	√	√
Bargraph					√						
AC Current	200	600	400	60	600	1000	600	600	1000	1000	1000
DC Current											
AC Voltage	700	600	600		600	600	600	600	600	600	1000
DC Voltage	1000	600	600		600	1000	600	600	600	600	1000
Auto Ranging	√	√	√	√	√	√	√	√	√	√	√
Relative Zero		√					√	√	√	√	√
APO	√	√	√		√	√	√	√	√	√	√
Resistance (Ω)	40M	40M	40M		20M	40M	40M	60k	40M	1k	60k
Continuity Buzzer	√	√	√		√		√	√	√	√	√
Frequency (Hz)	100k	50k	50k		100k		5M	5-400k		500	5-400k
Capacitance (µF)	4	3000	4000		200µ		100	2500			2500
Temperature °C			-20 to 300		20 to 1000			-40 to 400		-50 to 300	-40 to 400
True RMS								√	√	√	√
Diode Test		√	√		√		√	√	√	√	√
Peak Hold											
Data Hold	√	√		√	√	√	√	√	√	√	√
Min/Max Recording		Max	Max		√			√			√
Special Features			Dual Display	2mA/20mA Leakage Current Range	Leakage, Low Pass Filter	Flashlight, 10A Splitter with x1 & x10	EF (NCV)	EF (NCV), Inrush I, Amp Tip, Phase Rotation, DC µA	Comms	Current Logger, HDT%-R, Serial PC Comms	EF (NCV), Inrush I, Amp Tip, Phase Rotation, DC µA
CAT II						600V					
CAT III	600V	600V	600V	600V	600	-	1000V	600	600V	600V	1000
CAT IV	300V	300V	300V	300V	300	-	600V	300	300V	300V	600
Warranty Years	1	1	1	1	1	1	1	1	1	1	1



FEATURES	TBM118	C2108	T9005	BM079	T9105	BM089	BM197	BM157	T202	TA3000
Jaw Size	45	26	42	35	34x65	51	55	45	57	194
Display	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Digital	Adaptor	Adaptor
LCD Display Counts	6000	6600	10000	6000	10000	6000	6000 +1999	6000/9999		
LCD Display Digits	3 ½	3 ½	4	3 ½	4	3 ½	3 ½	3 ½		
Backlight		√	√	√	√	√	√	√		
Bargraph			√		√					
AC Current	2000	660	600	600	1000	1000	2000	1000	1500	3000
DC Current		660	400	600	600	1000	2000		2000	
AC Voltage	600	660	600	600	600	1000	1000	600		
DC Voltage	600	660	600	600	600	1000	1000	600		
Auto Ranging	√	√	√	√	√	√	√	√		
Relative Zero		√	√	√	√	√	√	√		
APO	√	√	√	√	√	√	√	√		
Resistance (Ω)	6M	6M	40M	60k	40M	60k	40M			
Continuity Buzzer	√	√	√	√	√	√	√	√		
Frequency (Hz)	50k	10k	400	5-400k	400	5-400k	400Hz			
Capacitance (µF)	2000	66m	999.9	2500	999.9	2500	2000			
Temperature °C			-40 to 1200	-40 to 400	-40 to 1200	-40 to 400	-50 to 1000	-50 to 300		
True RMS	√	√	√	√	√	√	√	√		
Diode Test	√	√	√	√	√	√	√	√		
Peak Hold			√	√	√	√	√	√		
Data Hold	√	√	√	√	√	√	√	√		
Min/Max Recording			√	√	√	√	max			
Special Features	Comms, EF (NCV)	Clamp Light	1MΩ Input Impedance	EF (NCV), Inrush I, Amp Tip, Phase Rotation, DC µA		EF (NCV), Inrush I, Amp Tip, Phase Rotation, DC µA	Autocheck, VFD-V, VFD-A, Inrush, EF, PC Interface	kVA, W, THD%, Serial PC Comms, Cosφ		
CAT II										
CAT III	600V	600V	1000V	600	1000V	1000	1000	600	600	600
CAT IV	300V	300V	600V	300	600V	600	1000	300	300	300
Warranty Years	1	1	1	1	1	1	1	1	1	1

Insulation Testers - Comparison Chart

FEATURES	T1800	T2732	TZ751	BM877	C8010	C5201	C5203	TIN6A	C5215	TIN7D	INSTALTESTKIT	INSTALTESTKITB
Display	Analogue	Analogue	Digital	DMM	Digital	Digital	Digital	Analogue	Digital	Digital	Digital	Digital
50 V Test Voltage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
100 V Test Voltage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
250 V Test Voltage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
500 V Test Voltage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1000 V Test Voltage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2500 V Test Voltage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5000 V Test Voltage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10000 V Test Voltage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
High Resistance Range	0-400 MΩ	500 k -400 MΩ	20, 200 & 2000 MΩ	0.02 to 25 GΩ	0 to 200 GΩ / 1000V	2GΩ at 1000V	0.01 MΩ -10 GΩ	<400GΩ & < 400 GΩ	0.01 MΩ -5 TΩ	800kΩ -500GΩ	< 19 MΩ, 20- 99MΩ & 100-199MΩ	< 19 MΩ, 20- 99MΩ & 100-199MΩ
Insulation Test Current	2 mA	1.3 mA	1 mA	1mA	1mA	1mA	1.8 mA	1.5 mA	-	Variable	1 mA	1 mA
Continuity Test Current	240 mA	205 mA	210mA	110mA-20Q / 210mA-2Q	>210mA	200mA	3mA	-	-	-	200mA	200mA
Low Resistance	0-50 & Infinity	0-3, & 500	0-20/ 0-200/ 0-2000	0.015 to 21.99Ω	0 to 20MΩ	0 to 200Ω	0.01 - 200Ω	-	-	-	0 - 1999Ω	0 - 1999Ω
Timer (Continuous Test)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Live Circuit Warning	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Automated Operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Auto Discharge	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Resistance Buzzer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Voltage Measurement	0-600 VAC	Default 0-600 VAC	Default 0-600 VAC	1000V AC/ DC, VFD-V 600V	600V AC/DC	700V AC, 1000V DC	750VAC 1000VDC	-	750VAC 1000VDC	-	550V AC	550V AC
Battery Check	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
APO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Memory/Data Storage	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PC Comms	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Special Functions	0-3Ω Range, Default Voltage Test	0-3Ω Range, Default Voltage Test	0-3Ω Range, Default Voltage Test	Dual Reading Display, VFD-F, VFD-Hz, PI, DAR, True RMS.	1000V Insulation Test Up to 200GΩ	DAR & PI, Data Memory	DAR & PI, Data Memory	1 W Output	DAR & PI, Data Memory, PC Transfer, Temperature	1W output, DAR, PI, Timer, Enersave™	Loop Impedance, PSC, RCD, Socket, Backlight, Polarity, Phase Rotation, Phase Rotation Software & PC link.	Loop Impedance, PSC, RCD, Socket, Backlight, Polarity, Phase Rotation, Phase Rotation Software & PC link.
IEC61010 Rating (CAT III)	600V	600V	600V	1000	600	600	1000V	600V	1000V	300V	600V	600V
IEC61010 Rating (CAT IV)	300V	300V	300V	600	300	300	600V	300V	300V	150V	300V	300V
Warranty (years)	1	2	2	L.O.P.	1	1	1	1	1	1	1	1

Note AS/NZS61010 Rating is required for voltage measurement, not insulation testing.

TEST AND MEASUREMENT

Leads - Comparison Chart



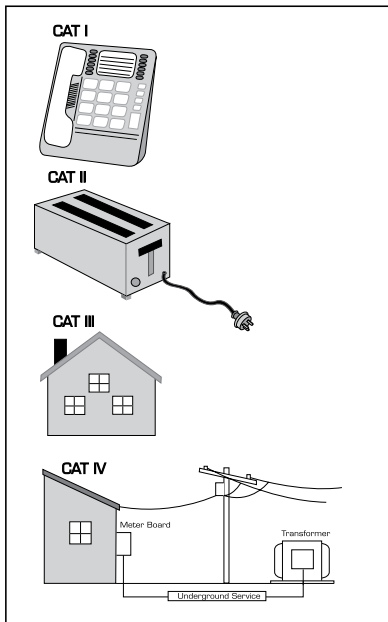
Part No.	AL01	AL02	AL04	AL24	AL28-1	AL28-3	AL28-5	AL30RBGKIT	AL30RWBKIT
Description	1kV 10A Black Single Lead	1kV 10A Black Single Set + Croc-Clip	1kV 10A DMM Set	PVC, Set Threaded Pins	1kV 10A DMM Set	1kV 10A 4mm Probe	1kV 10A Threaded set + Croc Clips	Set L, N & E with Croc-Clips	Set L ₁ , L ₂ 7 L ₃ with Croc-Clips
Lead Length (m)	3		0.9	0.84			1		
Probe Φ (mm)		2		2 Threaded	2	4	2 Threaded		4
Instrument Plug	90° 4mm shrouded								
Colours	Black				Red & Black				
Set of:	1				2				
Accessories			Small Croc-Clips				Small Croc-Clips		Large Croc-Clips
CAT III					1000V				
CAT IV					1000V				



Part No.	AL04RBY	TEL-EL	TEL-AN	AL35L	AL37B	AL37R	AL38C	AL52F	AL57F10A	AL36RYGKIT	AL-4WER
Description	Test Lead Set RD/BK/YL with Croc-Lips	RCD test 10A Plug and Lead	RCD test 10A Plug and Lead No Neutral	Silicone Insulated Lead Set	Stacking Lead Black	Stacking Lead Red	Croc-Clips for 4mm Banana Probes	Fused Leads Set 2A CAT IV	Fused Lead Set 10A CAT IV	Test Lead Set for Earth Resistance Testers	Earth Resistance Leads for 4-Wire Testers
Lead Length (m)	1	0.5		1	0.5		N/A		1	Green - 5m Yellow - 10m Red - 15m	Red - 36m Spike 45cm Black- 3m Blue - 20m Green - 50m
Probe Φ (mm)	2	10A Plug	10A Plug							Croc-Clips	
Instrument Plug	90° 4mm shrouded	Shrouded 4mm Straight		90° 4mm shrouded	Straight 4mm shrouded piggy back	Straight 4mm shrouded piggy back		90° 4mm shrouded			
Colours	Red, Black, Yellow	Red, Green & Black	Red & Green	Red & Black	Black	Red		Red & Black		Red, Green, Yellow	Black, Blue, Green, Red + Spikes
Set of:	3	1		2	1			2		3	4
Accessories	2x Croc Clips	10A Plug		Optional				Croc-Clips	Optional	Croc-Clips	-
CAT III	1000V	600V		1000V		600V		690V 2A	1000V 10A	600 2A	-
CAT IV	1000V			600V		300V		690V 2A	600V 10A	-	-

Handy Info (IEC61010-1 2010)

Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements. Explanation of categories listed in clause 6.7.4



The table on the right indicates the applied voltages (BIL) of an impulse generator.

The generator shall produce an open circuit voltage waveform of 1,2/50ms.

1. CAT I

This covers measurements performed on circuits not connected directly to the mains. Surges in an electronic device e.g. a PCB inside a photocopier, may have some electronic ripple.

2. CAT II

For measurements on circuits connected directly to the low voltage installation e.g. an appliance. Appliances such as power tools or household appliances and the electrical cord may have low surges from a motor for example.

3. CAT III

For measurements of the circuit in a building installation i.e. plugs and sockets, distribution boards, lighting circuits, underground cable, boreholes connected by underground cable, etc. e.g. dissipated lightning surges.

4. CAT IV

For measurements at the source of an electrical installation. This covers outside supply lines, overhead lines and the main board connected to overhead lines. These electrical circuits are exposed to substantial surges such as lightning.

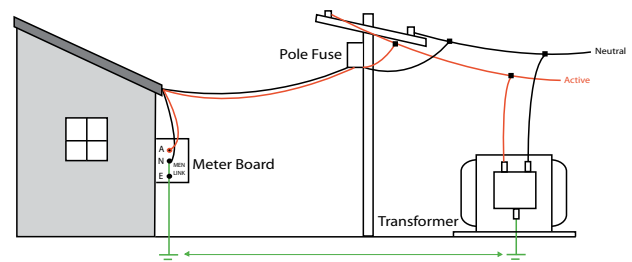
Impulse Withstand Voltages for the IEC61010 Categories			
Nominal Voltages	Voltage Transients		
Phase to Neutral Voltage*	Transient stresses estimated within the installation without any over-voltage limiting devices		
	CATII	CATIII	CATIV
50	500	800	1500
100	800	1500	2500
150	1500	2500	4000
300	2500	4000	6000
600	4000	6000	8000
1000	6000	8000	12000
Output Impedance of Impulse Generator	12Ω	2Ω	2Ω

Notes on Loop Impedance

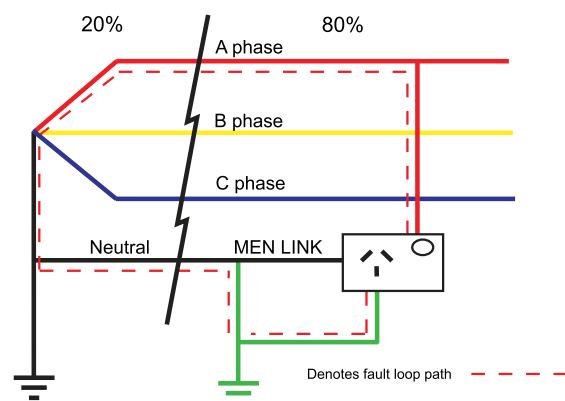
Loop Impedance is the sum of impedances in a circuit measured from an outlet point to the supply transformer via active or neutral or earth and the respective return in the loop. PSC is the prospective short circuit current that the loop will carry due to the resistance and applied voltage.

The T2726 Loop Impedance Tester will display in scrolling order, the line voltage, the sum of and individual impedances and the prospective short circuit current (PSC) in loops Active/Neutral and Active/Earth. The instrument calculates the PSC using the recorded voltages and measured impedances. To obtain accurate milliohm values the instrument uses a high test current, which will trip the RCD. The RCD should be by-passed and the load on the circuit minimized before the test is done. Instruments that do not trip the RCD use test currents below 20mA and are not as accurate as when using a higher current test. Determining the PSC is useful to determine the maximum load protection on a circuit e.g. a class C circuit breaker needs to trip at 7.5 times its rated current and the circuit must be able to carry it.

A loop impedance meter will test neutral integrity according to AS4741 as per Appendix B Method B3.



Drawing 1 – Physical Layout of Supply Loops



Drawing 2 – Earth Fault Loop

TEST AND MEASUREMENT

Triple R Service & Calibration Policy



On accepting an instrument to be repaired the following procedure is to take place.

1st R REPAIR

1. Provide a quote for labour and parts to repair the instrument to manufacturers specifications.
2. Repair the instrument after receiving written acceptance of the quotation (a purchase order from the referring wholesale branch is sufficient).
3. The work shall be warranted for a maximum of 3 months.

2nd R REPLACE

If the customer elects not to have the instrument repaired then they have the choice to accept as close an equivalent as possible an instrument we supply at a price suggested by the referring wholesaler or pay the minimum quotation fee for the time taken to diagnose the problem.

Please note:

- * The quotation of repair and replacement parts is subject to availability from the supplier especially in the case of meters not sold by CABAC.
- * The quotation fee will be waived if the customer purchases one of our suggested replacement meters.

3rd R RETURN

If the customer elects to pay the quotation fee we will return the instrument to the referring wholesale branch.

Please note:

- * The quotation fee will be charged to the referring wholesaler for unclaimed goods left for more than 3 months.



CABAC Offers A Calibration Service For Instruments

The Calibration can either be Factory Standard calibration or independent external NATA accredited calibration. Please note part numbers for calibration of Multimeters, Clamp meters, Installation testers, Multi-function and appliance testers. An installation tester is defined as an instrument that conducts RCD, LOOP or Insulation testing. Multifunction testers which encompass all these testers in the one unit will attract a higher calibration price due to the extra time taken to check all functions.

Part Number	Description	Part Number	Description
CALSTANMM	Factory Calibration Multimeter	CALNATAMM	NATA Calibration Multimeter
CALSTANMF	Factory Calibration Multifunction Testers	CALNATAIMF	NATA Calibration Multifunction Testers
CALSTANCLAMP	Factory Calibration Clamp	CALNATACLAMP	NATA Calibration Clamp
CALSTANAPP	Factory Calibration Appliance Testers	CALNATAAPP	NATA Calibration Appliance Testers
CALSTANINS	Factory Calibration Insulation Testers	CALNATAINS	NATA Calibration Installation Testers

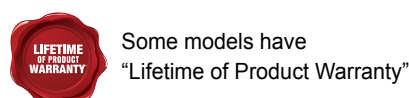
CABAC Test Equipment

Ideal for professional use in industrial, electrical applications, field environments, laboratory or workshop applications there's a model to suit every need.

CABAC test equipment use the latest microprocessor technology to provide comprehensive measuring ranges and features in hand held instruments. There is a wide range of test and measurement equipment to suit all applications and budgets.

All products conform to International Standard requirements, and all carry a long list of exclusive features. Some models have "Lifetime of Product Warranty" as standard, and all are backed by the CABAC name for quality.

Whether you are buying a general purpose unit, that has advanced features such as auto ranging, data hold, auto power off, reinforced case for durability, etc. or a professional range unit which offers additional features and accessories, the CABAC range of test equipment will suit your work requirements and provide you with many years of reliable service.



*Refer to CABAC website cabac.com.au for terms and conditions on warranty.

VOLTAGE DETECTION

AC TEST SCREWDRIVER 3.5 X 190MM



Part No. ACTEST3

ACTEST3 Test Screwdrivers are conventional neon light indicator lamp style test screwdrivers with GS/TUV and CE approvals, and they have insulated shafts.

EA QTY 1

Driver Tip Width (mm)	3.5mm
Length (mm)	190mm
Weight	27g

WARNING

Do not take risks. Serious injury or death may result if not used correctly. Voltage testers are only to be used by a competent person after reading appropriate instructions.

CAUTION

Voltage test screwdrivers must be proven on a known live source before and after testing.

AC VOLTAGE (NCV) DETECTOR ADJUSTABLE CATIII 600



Part No. C8902A

The C8902A AC voltage detector is suitable for tracing live conductors and breaks in cable. It has an 'on/off' switch and can be adjusted for sensitivity. The ability to adjust sensitivity is used when detecting polarity between Neutral and Active such as in socket outlets.

- Sensitivity adjustment
- Auto-power 'off'
- Visual and audible indication
- Double moulded case
- 2 x 1.5 AAA Batteries

EA QTY 1

Compliance & Safety	IEC61010-1 CATIII 600V
Dimensions	L157 x W24 x T20 mm
Batteries	2 x 1.5 AAA
AC Voltage	12 to 1000V AC 50 to 60 Hz
Packaging	C8902A hang cell blister comes with backing card, instructions and batteries.
Weight	42g

WARNING

Do not take risks. Serious injury or death may result if not used correctly. Non contact voltage detectors are only to be used by a competent person after reading appropriate instructions.

CAUTION

Non contact voltage detectors must be proven on a known live source before and after testing. An absence of detection does not mean the circuit under test is dead.

AC VOLTAGE (NCV) DETECTOR ADJUSTABLE CATIII 600



Part No. T7107A

The T7107A AC Voltage Detector is ideal for electrical troubleshooting, detecting a live AC source and locating a burnt out bulb in a series circuit. A bright LED and buzzer alarm informs you that a voltage is present. Features an ergonomic pen shaped design for the ease of carrying and storage. The AC Voltage Detector also includes a Precision Screwdriver for replacing 2 x AAA batteries.

- Voltage Range 50V-1000V AC
- Frequency range 50Hz - 500Hz
- Contact free voltage testing
- Phase detection in sockets
- Rapid detection of cable breaks
- Bright LED
- Variable tone buzzer alarm
- No contact voltage detection

EA QTY 1

Compliance & Safety	IEC61010 CAT IV 1000V, UL,CE
--------------------------------	------------------------------

WARNING

Do not take risks. Serious injury or death may result if not used correctly. Non contact voltage detectors are only to be used by a competent person after reading appropriate instructions.

CAUTION

Non contact voltage detectors must be proven on a known live source before and after testing. An absence of detection does not mean the circuit under test is dead.

TEST AND MEASUREMENT

VOLT-FINGER WITH TORCH NON CONTACT



**CAT IV
1000V**

Part No. C3121

The C3121 Volt-finger is a compact non-contact voltage detector and an LED torch. Indication is visual (LED in test point) and audible (buzzer). Volt-fingers are ideal for tracing and locating "live" AC conductors. The LED torch is useful in dark panels or dark areas.

- LED and audible NCV indication
- LED torch next to test point
- 'On/off' switch and sensitivity buttons
- Audible and visual voltage (NCV) indication
- Power consumption 80 mA

EA QTY 1

Compliance and Safety	EN61010-1; CATIV 1000V
Contents	NCV tester in a gift box with instruction manual
Tester Dimensions	L155 x W25 x T23 mm
Batteries	55g including batteries

WARNING

Do not take risks. Serious injury or death may result if not used correctly. Non contact voltage detectors are only to be used by a competent person after reading appropriate instructions.

CAUTION

Non contact voltage detectors must be proven on a known live source before and after testing. An absence of detection does not mean the circuit under test is dead.

Feature	Range
Voltage Range	12V-1000V
Frequency Range	40 - 400Hz
Sensitivity Levels	Two selectable sensitivity levels
Display	An LED for voltage detection
Buzzer	Yes
Torch light	Yes (at the front)
IP - Protection	IP64
Over Voltage Category	CAT IV, 1000V

VOLT-FINGER AC MAGNETIC NON CONTACT



**CAT IV
600V**

Part No. C3123

The C3123 Volt-finger is a compact non-contact voltage detector with magnetic field detection and an LED torch. Indication is visual (two colour LEDs in test point) and audible (buzzer). Volt-fingers are ideal for tracing and locating "live" AC conductors. The LED torch is useful in dark panels or dark areas. The C3123 is useful to detect activated solenoids with the magnetic field detection.

- LED and audible NCV indication
- LED torch next to test point
- 'On/off' switch and sensitivity buttons
- Audible and visual voltage (NCV) indication
- Magnetic field detection (solenoids)
- Power consumption 80 mA

EA QTY 1

Compliance and Safety	EN61010-1; CATIV 1000V
Contents	NCV tester in a gift box with instruction manual
Batteries	2 x 1.5v LR03, AAA
Tester Dimensions	L155 x W25 x T23 mm
Batteries	55g including batteries

WARNING

Do not take risks. Serious injury or death may result if not used correctly. Non contact voltage detectors are only to be used by a competent person after reading appropriate instructions.

CAUTION

Non contact voltage detectors must be proven on a known live source before and after testing. An absence of detection does not mean the circuit under test is dead.

Feature	Range
Voltage Range	12V-1000V
Frequency Range	40 - 400Hz
Magnetic Detection	>2 - 5mT
Sensitivity Levels	Two selectable sensitivity levels
Display	LED for voltage detection Yellow LED for magnetic detection
Buzzer	Yes
Torch light	Yes (at the front)
IP - Protection	IP64
Over Voltage Category	CAT IV, 1000V

VOLTAGE TESTERS

VIBRATING VOLTAGE AND LINE TESTER CATIV



Part No. WIBRETEST

- Large scale voltage indicator 110V to 750V DC on red scale and 125V to 750V AC on yellow scale
- Slip proof and oil resistant rubber grip, ribbed and padded for extra protection
- Robust contact pins designed to fit Australian and New Zealand plugs, and not break easily
- Pins are easily replaceable
- Is double insulated electrically and thermally
- Casing is made from unbreakable macrolon
- The probe pins are spring loaded for protection and easy measurement
- DC range shows polarity
- Comes in a blister pack with instruction manual

EA QTY 1

Compliance and Safety	IEC1010 CAT II for 1kVDC AC IEEC61243-3 (CATIV 300V) EMC Meets EN55022, CE.
Voltage AC & DC (±)	110V to 750V (No batteries)
Neon Indication	Green, Red for AC/DC
Batteries	55g including batteries

DIGITAL VOLTAGE TESTER CATIV 600V



Part No. C3031

The C3031 is an excellent voltage tester with a high safety rating that includes functions such as phase rotation testing of three phase four wire systems. Built to the latest international standards, the C3031 is an excellent quality voltage tester suitable for electricians checking voltage on live/dead circuits, checking phase rotation on 3 phase circuits and continuity when required. It features LED voltage indication and an LCD. If the batteries are flat then the tester will detect voltage between the tester and the probe and indicate via a warning LED.

- LED and LCD displays
- CATIV 600V
- Voltage to 690V AC/DC
- Continuity test with buzzer
- Torch light
- Phase rotation
- Single-pole Test
- 30s 'on/off' time
- IP64

EA QTY 1

Compliance and Safety	EN61243-3;2010 CAT III 1000V and CATIV 600V
Contents	Gift box with built-in lead and manual
Batteries	2 x IEC LR03, 1.5V
Tester Dimensions	L155 x W25 x T23 mm
Lead Dimensions	1210(L)mm
Probe Dimensions	L226 x W20 x T20 mm
Weight	200g including batteries

Feature	Range	Accuracy
Voltage AC & DC (±)		
LCD	12 – 690V (16 to 400 Hz)	± 3% ± 5
LED	12/24/50/120/230/400/690V	
Single Pole Test	100 – 690V AC (50/60Hz)	±1.5% ± 5
Phase Rotation	120 – 400V AC (ACTIVE to EARTH)	
Continuity	0 – 500 kΩ + 50%	

TEST AND MEASUREMENT

DIGITAL VOLTAGE TESTER CATIV 600V



CAT III
1000V

CAT IV
600V

Part No. BT-71EU

The BT-71EU voltage and continuity tester is an easy to use device, manufactured to the latest international standards. AC and DC Voltage LED indication when battery is depleted. Voltage testers are built for user safety and are recommended as the best option for testing for the presence of voltage in low voltage circuits.

- LED voltage indication
- CATIII 1000V, CATIV 600
- ϕ 2mm probes for 10A plug
- Audible continuity
- Battery-less LED voltage indication
- Battery-less DC polarity LED Indication
- Low battery warning flashing EF & continuity EDs
- IP65 water and dust resistance

Feature	Range
Voltage AC/DC LED Indication	12, 24, 50, 120, 130, 400, 690, 1000V
Electric Field Detection (NCV)	>80V when touching conductor 50/60Hz
Continuity @ 0.7VDC	Audible threshold 1M Ω to 1.5M Ω

EA QTY 1

Compliance and Safety	EN61243-3, EN611010-3 CAT III 1000V & CATIV 600V
Contents	Item supplied in a gift box with stationary red probe, detachable test lead and manual.
Tester Dimensions	L278 x W57 x T40 mm
Batteries	2 x AAA or IEC LR03, Alkaline 1.5V
Replacement Probe	AL01 – 3m long black lead 2mm diameter probe. AL02– 3m long black probe 4 mm diameter probe with crocodile clip.
Weight	235g including batteries

DIGITAL VOLTAGE TESTER CATIV 600V



CAT III
1000V

CAT IV
600V

Part No. BT-73EU

The BT-73EU voltage and continuity tester is an easy to use device, manufactured to the latest international standards. AC and DC Voltage LED indication when battery is depleted. Other features are the AC shaker indication, True RMS measurement, RCD tripping, two pole phase rotation, backlight and flashlight. Voltage testers are built for user safety and are recommended as the best option for testing for the presence of voltage in low voltage circuits.

- LED Voltage indication
- 1999 count 3 1/2 digit LCD
- CATIII 1000V, CATIV 600
- True RMS measurement
- RST phase rotation
- Backlight and flashlight
- AC – Detection shaker
- ϕ 2mm probes for 10A Plug
- Audible continuity
- Battery-less LED voltage indication
- Battery-less DC polarity LED indication
- Auto-power 'off' idle 16 seconds
- Low battery warning on LCD
- IP65 water and dust resistance

Feature	Range
Voltage AC/DC LED Indication	12, 24, 50, 120 230, 400, 690, 1000V
DC Voltage	>+27VDC or <-4.5VDC @ 1.5%+3
AC Voltage	>8VAC @ 2.5%+4
Electric Field Detection (NCV) EF Bar Display	>15V when touching conductor 50/60Hz 15V-55V, 30V-95V, 55V-170V >120V
Continuity @ 0.7VDC	Audible threshold 500k Ω to 750k Ω
Phase Rotation 165V to 1000V	45 – 65 Hz for Y3P4W & Δ 3P4W. Must have earth/neutral connection

EA QTY 1

Compliance and Safety	EN61243-3, EN611010-3 CAT III 1000V & CATIV 600V
Contents	Item supplied in a gift box with stationary red probe, detachable test lead and manual.
Tester Dimensions	L278 x W57 x T40 mm
Batteries	2 x AAA or IEC LR03, Alkaline 1.5V
Replacement Probe	AL01 – 3m long black lead 2mm diameter probe. AL02– 3m long black probe 4 mm diameter probe with crocodile clip.
Weight	235g including batteries

PEN TYPE METER



**CAT II
600V**

Part No. T8211D

- CAT II 600V
- Display 1999 counts
- Auto/manual range
- Maximum value hold
- Data hold
- Auto-power 'off'
- Resistance
- Continuity test
- Diode test
- Sensitivity of AC voltage adjustable
- Sound and flash alarming
- Logic level >3.5V or <3.5V

EA QTY 1

Compliance and Safety	IEC61010 CAT II 600V or 1kV EMC Meets EN55022, CE
Contents	Complete with a carry pouch
Tester Dimensions	L208 x W38 x T29 mm
Batteries	2 x 1.5V AAA
Weight	110g

Feature	Range	Accuracy
DC Voltage	200m/2/20/200/600V	±0.7% +2
AC Voltage	200m/2/20/200/600V	±0.8% +3
Resistance	200/2k/20k/200k/2M/20MΩ	±1% +5
DC Current	20m/200mA	±1.5% +3
AC Current	20m/200mA	±2% +3

MULTIMETERS

PROFESSIONAL ANALOGUE MULTIMETER



**CAT III
600V**

Part No. C505

The C505 is a professional analogue multimeter with a high quality taut band movement offering excellent performance. The meter is rated CATIII 600V and has a voltage range up to 1000V AC/DC.

- High quality taut band movement
- CAT III 600V
- Manual scale selection
- Easy to read 3-colour scale
- Mirror scale for accuracy
- dB measurement
- Voltage, current and resistance measurement
- Resistance range zero adjustment

EA QTY 1

Compliance and Safety	IEC61010 CAT III 660V
Contents	Parts supplied in a gift box with batteries, test leads and manual
Tester Dimensions	L1600 x W100 x T45mm
Batteries	2 x 1.5V AA
Weight	380 g including batteries

Feature	Range	Accuracy
DC Voltage	0.25/1/2.5/10/50/250/1000V	±2% of FS
AC Voltage	2.5/10/50/250/1000V	±3% of FS
DC Current	25µA/1/25/250mA/10A	±2% of FS
AC Current	10A	±3% of FS
Resistance	R x 1 0.2 – 20kΩ	±3% of FS
	R x 10 2 – 200kΩ	
	R x 100 20 – 2MΩ	
	R x 1000 200 – 20MΩ	

TEST AND MEASUREMENT

AUTO RANGING DIGITAL MULTIMETER



CAT III
600V

Part No. T8221C

A compact auto ranging digital multimeter with many useful features at a very reasonable cost. This meter has basic electrical functions such as 600V AC & DC, temperature, capacitance, diode test, resistance, current, continuity buzzer and transistor tester.

- 1999 count 3 1/2 digit LCD
- Auto ranging
- Max. recording
- Data hold
- Back light
- APO
- Continuity buzzer
- Updates 2-3/sec
- Transistor test hfe 0-1000
- Fused 250 mA range
- Low battery indication

EA QTY 1

Compliance and Safety	IEC61010 CAT III 600V, CE
Contents	Item supplied in a gift box with test leads and instruction manual.
Tester Dimensions	L158 x W74 x T31 mm
Batteries	3 x 1.5V AAA
Fuse	200mA
Weight	220g

Feature	Range	Accuracy
DC Voltage	200m/2/20/200V & 600V	±0.7% +2
AC Voltage	600v 200m/2/20/200V	±0.1% + 3 ±0.8% + 3
DC Current	2/10A 200µ/2000µ/20m/200mA	±2% + 10 ± 1.2% + 3
AC Current	2/10A 200µ/1000µ/20m/200mA	±3% + 10 ± 1.5% + 5
Resistance	200Ω/2k/20k/200k/2m/20m/20mΩ	±1% + 5
Temperature	-20 to 1000°C; 0 to 1800°F	±3% + 3
Capacitance	20n/200n/2/20/200/1000µF	±4% + 3

DMM LAN CABLE TESTER



CAT III
600V

Part No. C187

The C187 is an excellent solution for the data installer requiring a digital multimeter and LAN cable tester with RJ45 and RJ11 cables. Featuring a basic DMM, that measures voltage and resistance, plus a LAN cable tester which verifies continuity, open and miss-wired circuits. The LAN tester has a pin to pin LED indication on the DMM or with a remote.

- | | |
|-------------------------------|--|
| MULTIMETER FEATURES | LAN CABLE TESTER FEATURES |
| • 3 1/2 digit, 4000 count LCD | • LED indication of wire status |
| • Voltage and resistance DMM | • RJ45/RJ11 modular cables |
| • Data hold | • 10/100 base and token ring |
| • Continuity | • LAN circuit tester verifies continuity, open, miss-wired circuit |
| • Diode test | • Remote indicator |
| • Low battery indication | • Auto and manual select function |
| | • Ground wire test |

EA QTY 1

Compliance and Safety	IEC/EN611010-1 CATIII 600V, EN61326-1,EN61000-4-2 and EN61000-4-3
Contents	Each C187 is supplied in a gift box with operating manual, soft pouch, test leads, self test cable, batteries.
Tester Dimensions	L168 x W82 x T44mm
Remote Dimensions	74(L) x 30(W) x 25(H)mm
Batteries	• 1 x LAN Tester1 x 9V • 2 x 1.5V AAA
Fuse	200mA
Weight	283g

Feature	Range	Accuracy
DC Voltage	400mV,4, 40, 400, 1000V	±0.5%+3
AC Voltage	400mV,4, 40, 400, 750V	±1%+5
Resistance	400Ω,4, 40, 400kΩ,4MΩ 40MΩ	±1.2%+3 ±2%+4
Continuity (Audible)	< 25 Ω	

AUTO RANGING DIGITAL MULTIMETER



CAT III
600V

Part No. T8268

The T8268 is a standard, well priced multimeter suited for electrical and electronic work. It features plug sockets that light up to indicate correct sockets for the selected function. This is a well-priced auto-ranging meter with numerous features and test ranges.

- Sound & light warning for incorrect insertion of leads
- Data hold
- Maximum value measurement
- Auto-power 'off'
- Back light
- Display 3999 counts
- Continuity check with buzzer
- Diode test
- Transistor test hfe 0-1000
- Continuity test
- Duty cycle test
- Relative measurement
- Resettable fuse inside

EA QTY 1

Compliance and Safety	IEC1010-1 Standard CAT III 600V and CAT II 1000V
Contents	Item supplied with test leads and instruction manual
Tester Dimensions	L195 x W92 x T55mm
Batteries	3 x 1.5V AAA
Weight	380g including batteries
Replacement Leads	AL04, AL28-1

Feature	Range	Accuracy
DC Voltage	400mV/4/40/400V	±0.7% +2
	1000V	±0.8% +2
AC Voltage	400mV	±3.0% +3
	4/40/400V	±0.8% +3
	750V	±1.0% +3
DC Current	400µ/400µ/40m/400mA	±1.2% +3
	10A	±2.0% +5
AC Current	400µ/400µ/40m/400mA	±1.5% +5
	10A	±3.0% +7
Resistance	400/4k/40k/400k/4MΩ	±1.2% +2
	40MΩ	±2.0% +5
Capacitance	4nF	±5.0% +5
	40n/400n/4µ/40µ/200µF	±3.0% +3
Frequency	10/100/1000/10k/200kHz	±2.0% +5

5 IN 1 AUTO RANGING DMM



CAT III
600V

Part No. T8229

The T8229 is the most feature packed multimeter in the CABAC range and one of the most popular meters. It offers more than the normal electrical multimeter with additional ranges of temperature, relative humidity Lux and sound level. Popular with technical students, electricians and refrigeration mechanics, etc. This multimeter is great value for money.

- Sensors LUX, RH% & Sound, located on top
- Manual Range Selection
- Relative Measurement
- Hold data/Back light
- Fuse Current Ranges
- Compact Rugged Case with soft boot
- Multiple Display
- Temperature F° or C°
- Auto ranging selection switch

EA QTY 1

Contents	Supplied in a gift box, with test leads, thermocouple, adaptor and instruction manual
Tester Dimensions	L195mm x W92mm x T55mm
Batteries	3 x AAA
Weight	400g including batteries
Replacement Leads	AL04, AL28-1



Feature	Range	Accuracy
DC Voltage	400mV/4/40/400/1000V	±0.7% +2
AC Voltage	400mV/4/40/400/750V	±1% +3
AC & DC Current	400/4000µA/40/400mA/4/10A	±3% +10
Resistance	400Ω/4/40/400k/4/40MΩ	±2% +5
Capacitance	40/400n/4/40/100µF	±3% +3
Temperature	-20° to 1000° C	±2° C
Relative Humidity	20 to 95%	±5% RH
Sound Level	35dB to 100dB	±3.5% @ 94dB
Frequency	10/100/1000/10k/200kHz	±2% +5
	Duty Cycle 0.1-99.9%	±3%
Illuminance	4000/40000 Lux	±5% +10

TEST AND MEASUREMENT

POCKET SIZED MULTIMETER

STANDARD DIGITAL MULTIMETER POCKET-SIZED



Part No. TBM22

A feature packed, pocket-sized meter for those who require something compact and professional.

- 3½ Digit 4000 count LCD
- Updates 3 x per second
- Data hold
- 30ms high speed max hold
- Standard APO idle 30 minutes
- Hi-Z DCV and ACV
- Continuity and diode test

EA QTY 1

Compliance and Safety	IEC1010-1 Standard CAT III 600V and CAT II 1000V
Contents	Item supplied with test leads and instruction manual
Tester Dimensions	L113 x W53 x T10.2mm
Batteries	3 x 1.5V AAA
Weight	380g including batteries
Replacement Leads	AL04, AL28-1

Feature	Range	Accuracy
DC Voltage	400mV	±1.0% +2
	4, 40, 400V	±2.0% +2
	600V	±2.5% +4
AC Voltage	50-60Hz 4, 40,400V	±2.0% +5
	60-500Hz 4, 40, 400V	±3.0% +5
	50-500Hz 600V	±3.5% +5
Resistance	400 Ω	±1.5% +6
	4k, 40k, 400kΩ	±1.0% +4
	4 MΩ	±1.5% +4
	40 MΩ	±2.5% +4
Diode Test	< 1.6VDC 0.25mA	
Capacitance	500nF, 1000nF, 50µF	±3.5% +6
	100µF, 2000µF	
Frequency	5Hz to 1MHz	±0.5% +4
Electric Field		LCD Bar Indication
	15 to 55V	-
	30 to 85V	--
	55 to 145V	---
	85 to 190V	----
	120 + V	-----
Consumption APO	1mA	
Low Battery	± 4.5V	
Operating Temperature	-10° to 50°C (accuracy specifications at 23°C ± 5°C & less than 75% RH)	

DELUXE DIGITAL MULTIMETER POCKET-SIZED



Part No. TBM27

A feature packed, pocket-sized meter for those who require something compact and professional.

- 3 5/6 digit 6000 count LCD
- Updates 5 x per second
- Autocheck™
- Electric field
- Detection intelligent APO
- APO idle 3 minutes
- Hi-Z DCV and ACV
- Continuity and diode test
- 2000 micro Amp

EA QTY 1

Compliance and Safety	IEC61010-1 (1st Edition with amendment 1 & 2), UL61010B-1 (1st edition) CAT II 600V, CAT III 300V. Transient Protection 4kV lightning surge. Meets EN61326 (1997, 1998/A1), EN61000.
Contents	Item comes in an oyster pack with operating manual, batteries installed and protective holster
Tester Dimensions	L113 x W53 x T10.2 mm
Batteries	1 x 3V CR2032
Weight	78g
Optional Accessories	Soft carry pouch TBMHC20

Feature	Range	Accuracy
DC Voltage	6V	±0.5% +3
	60V	±1.0% +5
	600V Auto check	±2.0% +4
	600V Hi-Z	
AC Voltage	50-60Hz 6, 60, 600	±1.5% +5
Resistance	600 Ω	±2.0% +6
	6 kΩ	±1.2% +6
	60, 600 kΩ	±1.0% +4
	600 MΩ	±2.0% +4
Diode Test	< 2.6VDC 0.28mA	
Capacitance	100nF, 1000nF, 10μF	±3.5% +6
	100μF, 2000μF	
Frequency	5Hz to 1Hz	±0.5% +4
DC Current	400μA	±1.5% +3
	2000μA	±1.2% +3
AC Current	50 to 60Hz	
	400μA	±2.0% +3
	2000μA	±1.5% +3
Electric Field		LCD Bar Indication
	15 to 55V	-
	30 to 85V	--
	55 to 145V	---
	85 to 190V	----
	120 + V	-----
Operating Temperature	-10° to 50°C (accuracy specifications at 23°C ± 5°C & less than 75% RH)	

TEST AND MEASUREMENT

These two meters are designed with a high degree of protection. With two special features such as a sliding scale impedance relative to the test voltage known as Lo-Z and Autocheck™, and transient protection for a 12kV lightning surge (1.2/50ms), makes them a leading feature test instrument. The meters are double moulded, easy to use, comfortable to hold and a safe and reliable tool for use in extremely rugged conditions. Choose the professional multi-purpose with current measurement or a deluxe meter with extra features of range select, capacitance, diode test and continuity test or the basic standard model.

STANDARD AUTOCHECK DIGITAL MULTIMETER



Part No. TBM682

- 3 3/5 Digit 6000 count LCD
- CAT IV 1000V
- Updates 5 x per second
- Autocheck™ V & Ω
- EF Detection
- APO Idle for 3 minutes
- Data hold



EA QTY 1

Compliance and Safety	CAT IV 1000V
Replacement Leads	AL04

Feature	Range	Accuracy
DC Voltage	6V/60V/600V/1000V	± 1.2% + 4
AC Voltage	6/60/600/1000V	± 2.5% + 6
Resistance	6kΩ/60kΩ/600kΩ/6MΩ	

DELUXE AUTOCHECK DIGITAL MULTIMETER



Part No. TBM685

- 3 3/5 Digit 6000 count LCD
- CAT IV 1000V
- Updates 5 x per second
- Autocheck™ V & Ω
- EF detection
- APO idle for 3 minutes
- Data hold
- Display LCD
- Size 26 x 61mm



EA QTY 1

Compliance and Safety	CAT IV 1000V
Replacement Leads	AL04

Feature	Range	Accuracy
DC Voltage	6V/60V/600V/1000V	± 1.2% + 2
AC Voltage	6/60/600/1000V	± 2% + 6
Resistance	6kΩ, 60kΩ, 600kΩ, 6MΩ	
Diode Test	< 1.6VDC, 0.25mA, Response <100ms	± 1.2% + 4
Continuity	600Ω, Threshold 50 to 250Ω, Response < 100ms	
Capacitance	100nF, 1000nF, 10μF, 100μF, 2000μF	± 2.5% + 5

PRACTICAL PROFESSIONAL DMM



**CAT III
600V**

Part No. TBM805

A professional, digital multimeter with a large clear display, at an affordable price. The display updates 3 times per second and features all the basic multimeter requirements including data hold, and Beep-Jack™ input warning. Choose according to your pocket between these two professional meters.

- 1000V protection
- 33/4 Digital 4000 count LCD
- Max data hold/diode tester
- Relative zero
- Beep-Jack™ input warning
- Splash proof
- Diode test

EA QTY 1

Compliance and Safety	IEC61010-1 (1995) CAT III 600V, CAT II 1000V. Transient protection 6kV. Overload protection V = 1050Vrms; mA = 0.5A/250V Fuse; A = 15A/250V HRC Fuse; Others ranges 600Vrms Meets EN61326 (1997, 1998/A1), EN61000-4-2 (1995), EN61000-4-3 (1996).
Contents	Item comes in a gift box with leads, operating manual, installed batteries and protective holster.
Tester Dimensions	L186 x W87 x T35.5mm L198 x W97 x T55mm with holster
Batteries	2 x 1.5V AAA
Weight	296g (396g with holster)
Replacement lead	AL04

Feature	Range	Accuracy
AC/DC Voltage	400mV/4/40/400/1000V	± 1.5% ± 5
AC/DC Current	400µ/4/40/400m/4/10A	± 1.8% ± 4
Resistance	400Ω/4/40/400k/4/40MΩ	± 1.0% ± 4
Frequency	5Hz to 1MHz	± 0.5% ± 4
Capacitance	500n/5/50/500/3000µF	± 3.5% ± 6

TRUE RMS PRACTICAL PROFESSIONAL DIGITAL MULTIMETER



**CAT III
600V**

Part No. TBM807

A professional, digital multimeter with a large clear display, at an affordable price. The display updates 3 times per second and features all the basic multimeter requirements including data hold, and Beep-Jack™ input warning. Choose according to your pocket between these two professional meters.

- 1000V protection
- 33/4 digital 4000 count LCD
- Max data hold/diode tester
- Relative zero
- Beep-Jack™ input warning
- Rugged splash proof housing
- Diode test

EA QTY 1

Compliance and Safety	IEC61010-1 (1995) CAT III 600V, CAT II 1000V. Transient protection 6kV. Overload protection V = 1050Vrms; mA = 0.5A/250V Fuse; A = 15A/250V HRC Fuse; Others ranges 600Vrms Meets EN61326 (1997, 1998/A1), EN61000-4-2 (1995), EN61000-4-3 (1996).
Contents	Item comes in a gift box with leads, operating manual, installed batteries and protective holster.
Tester Dimensions	L186 x W87 x T35.5mm L198 x W97 x T55mm with holster
Batteries	2 x 1.5V AAA
Weight	296g (396g with holster)
Replacement lead	AL04

Feature	Range	Accuracy
AC/DC Voltage	400m/4/40/400/1000V	± 1.5% ± 5
AC/DC Current	400µ/4000/40m/400m/4/10A	± 1.8% ± 4
Resistance	400/4K/40K/400K/4m/40MΩ	± 1.0% ± 4
Frequency	5Hz to 1MHz	± 0.5% ± 4
Capacitance	400n/4µ/40µ/400µ/4000µF	± 3.5% ± 6
Temperature	-20° to 300° C	± 2% ± 3°C/6°F

TEST AND MEASUREMENT

DIGITAL MULTIMETER GENERAL PURPOSE



Part No. BM251

The BM251 is an economical, compact multimeter for electricians offering a perfect balance between price and performance. A good general purpose meter with suitable functions for daily use by a contractor and offering features such as EF (electric fields or non-contact voltage detection), autoranging, data hold, auto power 'off', etc. It features Beep-Jack™, an input, beeps and displays "InEr" on the LCD screen, warning against possible damage to the meter due to improper connections to A, mA & A input jacks.

- 3 5/6 digit, 6000 count LCD
- CAT IV 300V, CAT III 600V
- 24 segment bar-graph 40 time per second
- Splash-proof
- EF (NCV) detection
- Data hold
- BeepJack™ incorrect input warning
- Auto-power 'off' after 34 minutes
- PC interface USB/RS232 (optional kit)

EA QTY 1

Compliance and Safety	IEC61010-1 CATIV 300V, IEC61577-1, IEC 61557-5, EN61326-1
Contents	Gift box, test leads, operating manual and installed batteries
Tester Dimensions	L161 x W80 x T50mm
Batteries	2 x 1.5V AAA
Weight	340g including batteries and holster
Optional accessories	
Software & cable interface	BRUA-20X software and PC interface cable.
Magnetic hanger	BMH-01
Spare Leads	AL04

Feature	Range	Accuracy
AC Voltage	60,600mV,6,60,600,1000V	± 1.0% + 5
DC Voltage	60,600mV,6,60,600,1000V	± 0.2% + 3
Resistance	600Ω,6,60,600kΩ,6,60MΩ	± 0.5 to 1.2% + 4
AC Current	600,6000μA,60,600mA,6,10A	± 1% + 3
DC Current	600,6000μA,60,600mA,6,10A	± 0.5% + 3
Frequency: Logic Level Line Level	5Hz to 500kHz 5Hz to 10kHz	± 0.03% + 2 ± 0.03% + 3
Non-contact Voltage, EF- detection	20V – 55V -- 110V --- 220V ---- 440V -----	10 - 36V 23 – 83V 59 – 165 V 124 – 330V 250 – 1000V

PRACTICAL TRUE RMS DIGITAL MULTIMETER WITH EF-DETECTION



Part No. BM257

The BM257 is a high performance, compact multimeter for electricians who require a very accurate DMM with innovative features in as small a package as possible. This feature packed digital multimeter boasts a range of test functions such as capacitance, min/max recording, crest hold, temperature measurement with a Type-K thermocouple, etc. The BM257 has an Autocheck™ feature for automatically measuring voltage or resistance with a LoZ variable internal impedance that will select only hard signals on the display.

- 3 5/6 digit, 6000 count LCD
- CATIV 300V, CATIII 600V
- 24 segment bar-graph 40 times per second update
- Backlight LCD
- Dual digital display
- Min/Max recording
- Crest and data hold
- Relative zero measurement
- EF detection (NCV)
- BeepJack™ incorrect input warning
- Auto-power 'off' after 34 minutes
- PC interface RS232/USB (optional kit)

EA QTY 1

Compliance and Safety	IEC61010-1 3rd Ed. CATIV 300V, EN611326-12006.
Contents	Each BM257 is supplied in a gift box with operating manual, installed batteries and test leads
Tester Dimensions	L161 × W80 × T50mm
Batteries	2 x 1.5V AAA
Weight	340g with holster
Optional accessories	
Software & cable interface	BRUA-20X
Magnetic hanger	BMH-01
Spare Leads	AL-04

Feature	Range	Accuracy
AC Voltage	60,600mV,6,60,600,1000V	± 1% ± 5
	Autocheck 1000V	± 1.4% ± 5
DC Voltage	60,600mV,6,60,600,1000V	± 0.2% ± 3
	Autocheck™ 1000V	± 1.3% ± 3
Resistance	600Ω,6,60,600kΩ,6,60MΩ	± 0.5 to 1.2% ± 4
Capacitance	60,600nF,6,60,600,3000μF	± 1.5 to 2% ± 5
Temperature	-50° -1000° C	± 0.3% ± 3
AC current	600,6000μA,60,600mA,6, 10A	± 1% ± 3
DC Current	600,6000cA,60,600mA,6, 10A	± 0.5% ± 3
Frequency	6,60,600,1000V	± 0.03% ± 3
	600,6000μA,60,600mA,6,10A	

LCD Bar Indication

Non Contact ef-detection	20V	—	10 - 36V
	55V	--	23 – 83V
	110V	---	59 – 165 V
	220V	----	124 – 330V
	440V	-----	250 – 1000V

TEST AND MEASUREMENT

PROFESSIONAL TRUE RMS DMM AND DATA LOGGER



Part No. BM525

A unique meter with all the features needed by a professional electrician, plus a recording capability to log 43000 readings for dual displays and 83000 readings for single displays. The recording capability has two control buttons for time select, stop, start, call back, pause and scrolling up or down. This compact logger records data such as voltage, temperature and current.

This meter has similar features to the TBM822 plus other unique features and the robustness, safety and reliability that this Brymen, BM range is renowned for. An optical interface and software allows downloading to or recording of data on a PC via USB connection.

- CATIV 1000V
- 4 Digit 6000/10000 count dual display LCD
- True RMS measurement
- Auto LoZ, volt, Ohms function
- Backlight display
- 87 000 point data logging
- EF (non-contact voltage) detection
- Bargraph
- Beep-Jack™ input warning
- PC optical link to PC (optional)

EA QTY 1

Compliance and Safety	IEC 61010-1 2dn Edition CAT IV 1000V. EMC meets EN61326:2006
Contents	The unit is supplied with test leads, type-K thermocouple, installed battery and operating manual
Tester Dimensions	L208 x W97 x T64.5mm or L186mm*W87mm*H36mm with Holster
Batteries	One 9V IEC6F22
Weight	363.5g
Optional accessories	
USB PC interface	BU-86X
Pouch	CPOUCH1
Magnet Hanger	BMH-01
Replacement lead:	AL04

Feature	Range	Accuracy
Voltage AC & DC	60m/600m/9.999/99.99/999.9V	±1% + 4
Current AC & DC	600μ/6000μ/60m/600m/6/10A	±0.8% + 4
Resistance	600/6k/60k/600k/6M/60MΩ	±0.5% + 5
Capacitance	60n/600n/6μ/60μ/600μ/6m/60m/25mF	±2% + 3
Temperature	-50° to 1000°C	±0.3% + 2
Frequency	15Hz to 1MHz	±0.04% + 4
Logic level	5Hz to 1MHz	±0.004% + 4
Line Level		
Conductance	0.01 to 99.99 nS	±0.9% + 10

DIGITAL MULTIMETER PROFESSIONAL



Part No. BM821

This meter is the mainstay of the CABAC range of multimeters and is designed for use in heavy industry such as mining. Robust, dust-proof and splash-proof, this meters has all the basic features a professional tradesman will require from a DMM. If you are looking for a reliable meter that will give many years of service, then consider this excellent, rugged meter.

- CATIV 1000V
- 4 Digit 6000/10000 count dual display LCD
- 1000V protection
- Data hold/diode tester
- Beep-Jack™ input warning
- Current range fused (600V HBC fused)
- Bar-graph
- USB Interface (optional)

EA QTY 1

Compliance and Safety	IEC61010-1 2nd Edition (2001) CAT IV 1000V. Transient protection 8kV. V = 1050Vrms; mA = 0.63A/500V; HRC Fuse; A = 12.5A/550V HRC Fuse; Others ranges 600Vrms; Meets EN61326 (1997, 1998/A1), EN61000-4-2 (1995), EN61000-4-3 (1996).
Overload Protection	
Contents	Each BM821 comes in a gift box with leads, operating manual, batteries installed and protective holster.
Tester Dimensions	L208 x W103 x T64.5mm with holster
Batteries	Standard 1 x 9V 6F22
Weight	340g (430g with holster)
Optional accessories	
USB Optical Cable with Special Software	BU-86X
Magnet Hanger	BMH-01
Replacement Test Leads	AL04

Feature	Range	Accuracy
AC/DC Voltage	60m/600m/9.999/99.99/999.9 V	±1% + 4
AC/DC Current	600μ/6000μ/60m/600m/6/10 A	± 0.8% + 4
Resistance	600/6K/60K/600K/6M/60MΩ	±0.5% + 4
Capacitance	60n/600n/6μ/60μ/600μ/6m/25mF	± 2% + 3
Logic Level Frequency	5Hz to 1MHz	± 0.04% + 4
Line Level Frequency	15Hz to 1kHz	±0.004% + 4

DIGITAL MULTIMETER PROFESSIONAL TRUE RMS



Part No. BM822

This digital multimeter is one of the mainstays of the CABAC range and is designed for use in heavy industry such as mining. Robust, dust proof and splash-proof, this meter has all the basic features a professional trade person will require from a DMM. It has a Lifetime of Product Warranty. If you are looking for a reliable meter that will give many years of service, then consider this excellent rugged meter.

- 4 Digit 6000/10000 count LCD
- Data hold
- True RMS measurement
- Dual digital display
- 1000V protection
- Data hold/diode tester
- Beep-Jack™ input warning
- Current range fused (600V HBC fused)
- Bar-graph
- USB Interface (optional)

EA QTY 1

Compliance and Safety	Meets EN61010-1 2nd Edition CATIV 1kV
Overload Protection	AmA & ΩA - 100kA Fuses V 1050V RMS Ω & other 600V RMS
Contents	Each BM822 comes in a gift box with leads, operating manual, batteries installed and protective holster.
Tester Dimensions	L208 x W103 x T64.5mm with holster
Batteries	Standard 1 x 9V 6F22
Weight	340g (430g with holster)
Optional accessories	
USB Optical Cable with Special Software	BU-86X
Magnet Hanger	BMH-01
Replacement Test Leads	AL04

Feature	Range	Accuracy
AC/DC Voltage	60m/600m/9.999/99.99/999.9V	±1% + 4
AC/DC Current	600μ/6000μ/60m/600m/6/10A	± 0.8% + 4
Resistance	600/6K/60K/600K/6M/60MΩ	± 0.5% + 4
Capacitance	60n/600n/6μ/60μ/600μ/6m/25mF	± 2% + 3
Logic Level Frequency	5Hz to 1MHz	± 0.04% + 4
Line Level Frequency	15Hz to 1kHz	± 0.004% + 4

PROFESSIONAL DMM, INSULATION TESTER AND EARTH CONTINUITY



Part No. BM827

The BM827 is a high performance multimeter for electricians who require a very accurate DMM with innovative features with a very high CAT IV safety rating. This feature packed, digital multimeter boasts a range of test functions such as capacitance, min/max recording, crest hold and temperature measurement with type-K thermocouple.

- 4 digit, 10 000 & 6000 count LCD
- CATIV 1000V,
- 41 Segment Bargraph, 60/second update
- Backlight LCD
- Dual Digital Display
- Min/Max/Min-Max/Avg recording
- Crest/Data hold
- Relative measurement
- EF detection (NCV)
- BeepJack™ incorrect input warning
- Auto Power Off after 34 min
- PC interface USB/RS232 (optional Kit BU-86X)

EA QTY 1

Compliance and Safety	IEC61010-1 CATIV 1000V, EN6100-3-2, EN6100-3-3, EN6100-4-2, EN6100-4-3, EN6100-4-4, EN6100-4-5, EN6100-4-6, EN6100-4-8, EN6100-4-16, EN61326-1
Contents	Each unit is supplied in a gift box with operating manual, holster, batteries, BKP60 type 14 thermocouple and test leads with cro-clips
Tester Dimensions	L208 × W103 × T64.5mm
Batteries	1 x 9V 6F22
Weight	635g
Optional accessories	
Magnet Hanger	BMH-01
Spare Leads	AL04
Software	BU-86X software and PC interface cable

Feature	Range	Accuracy
AC/DC Voltage	60m/600m/9.999/99.99/999.9V	± 1.0% + 4
AC/DC Current	600μ/6000μ/60m/600m/6/10A	± 0.8% + 6
Resistance	600/6k/60k/600k/6M/60MΩ	± 0.4% + 3
Capacitance	60n/600n/6μ/60μ/600μ/6m/60m/25mF	± 2.0% + 3
Logic Level Frequency	15Hz to 1MHz	± 0.04% + 4
Line Level Frequency	5Hz to 1MHz	± 0.004% + 4
Temperature	-50° to 1000°C	±0.3% + 2°
Conductance	0.01 to 99.99 nS	±0.8% + 10
Non contact EF- detection	20V –	10 - 36V
	55V --	23 – 83V
	110V ---	59 – 165 V
	220V ----	124 – 330V
	440V -----	250 – 1000V

TEST AND MEASUREMENT

INSULATION TESTERS

50V AND 1KV DMM INSULATION TESTER CONTINUITY



Part No. BM877

The Brymen BM877 is a professional, high accuracy electrician's essential test instrument with numerous DMM features including an insulation tester (50, 100, 250, 500, 1000V) and earth continuity tester (110mA and >220mA).

- 3 5/6 digit, 6000 count LCD
- Dual display and analogue bargraph
- CATIII 1000V, CAT IV 600V AC & DC
- True-RMS AC measurement
- VFD AC Voltage
- BeepJack™ input alarm.
- Data Hold, record min/max readings
- Backlight LCD
- Diode test
- APO idle after 20 minutes
- Polarisation Index (PI) and Dielectric Absorption Ratio (DAR)
- Remote probe for insulation and earth continuity.
- PASS/FAIL result with 12 selectable preset values
- Earth continuity live voltage presence inhibitor if V > 2V
- Insulation test live voltage presence inhibitor V > 30V

EA QTY 1

Compliance and Safety	IEC/EN611010 3rd Ed. CATIII 1000V CAT IV 600V, EMC: EN61326-1, EN61000 C-tick.
Contents	Each unit is supplied in a gift box with operating manual, holster, batteries, test leads with croc-clips and remote probe.
Tester Dimensions	L208 × W103 × T64.5mm
Batteries	4 x Alkaline 1.5 AA, IEC LR6
Weight	635g
Optional accessories	
Magnet Hanger	BMH-01
Spare Leads	AL04 + AL-BM877IN
Remote Probe	AL-BM877IN

Feature	Range	Accuracy
AC Voltage	6, 60, 600, 1000V	± 2%+3
DC Voltage	6, 60, 600, 1000V	± 0.2%+3
VFD AC Voltage	600V	± 4%+5
Resistance	600.0Ω, 6.000, 60.00, 600.0kΩ, 6.000,	± 0.9% + 5
Audible (20-200 Ω)	60.00MΩ	± 3% + 6
Earth Continuity 4Vcd	0.015 to 2.199Ω @ >200mA 0.15-21.99Ω @ > 90mA	±1.5%+3
Insulation Resistance	50V (3M-55MΩ) 100V (3 – 110MΩ) 250V (3 – 275MΩ) 550V (3 – 550MΩ) 1000V (3 – 300MΩ) 1000V (3000MΩ) 1000V (25GΩ)	± 1% + 5 ± 2%+5 ± 10%+5

PROFESSIONAL DIGITAL TRUE RMS HIGH PERFORMANCE MULTIMETER



Part No. BM867

The Professional Digital True RMS Multimeter is a high performance instrument for technicians or engineers who require a very accurate digital multimeter with innovative features. The high count display provides up to 5 4/5 digits for DC voltage and has a dual display to include frequency. The forty one segment bargraph updates 60 times per second while the fast mode display updates 5 times per second giving reliable and high speed information. This instrument is a tough and robust tool for the most demanding user. Complying with the highest safety standards with a rating of CAT IV 1000V and feature packed, the Professional Digital True RMS Multimeter is ideal for very accurate general purpose electrical testing.

- 5 4/5 digit 50 000 LCD
- Backlight
- Cat IV 1000V
- Dual digital display
- 15A current input capability
- Min/Max/Ave recording
- 41 segment bargraph
- Crest and data hold
- Relative measurement
- 600V input protection on resistance & capacitance
- dBm readings
- %4 – 20 mA loop current.
- BeepJack™
- Audible and visual input warning
- PC interface and software (optional)

EA QTY 1

Compliance and Safety	IEC61010-1 3rd Ed. CATIV 300V, EN611326
Contents	Each BM867 is supplied in a gift box with operating manual, installed batteries and test leads.
Tester Dimensions	L208 x W103 x T64.5mm with holster
Batteries	1 x Alkaline 9V IEC6LF22
Weight	635g
Optional accessories	
Magnet Hanger	BMH-01
Replacement Test Leads	AL-04
USB Optical Cable with Special Software	BU-86X

Feature	Range	Accuracy
DC Voltage	500m/5/50/500/1000V	± 0.05% ± 2
AC Voltage	500m/5/50/500/1000V	± 0.8% ± 60
Current DC	500µ/5000µ/50m/500m/5/10A	± 0.15% ± 30
Current AC	500µ/5000µ/50m/500m/5/10A	± 1% ± 50
Current	Up to 15A for 30 sec with 5 min cool down	
Resistance	500Ω/5k/5k0/500k/5M/50MΩ	± 0.1% - 21% ± 6
Conductance	99.99nS	± 2% ± 10
Frequency	10Hz to 100 kHz	± 0.02% ± 4d
Logic Frequency	200.0, 2500Hz	± 0.002% ± 4
Capacitance	50n/500n/5µ/50µ/500µ/5m/25mF	± 2.5% ± 3

TEST AND MEASUREMENT

DMM HIGH PERFORMANCE



Part No. BM869

The BM869 is a high performance instrument for technicians or engineers who require a very accurate DMM with innovative features. The high count display can provide up to 5 4/5 digits for DC voltage and has a dual display to include frequency. The forty one segment bargraph updates 60 times per second while the fast mode display updates 5 times per second giving reliable and high speed information. Some special features are Min/Max recording, crest display, variable speed drive fundamental (VFD) voltage and frequency measurement, dual temperature inputs, %4-20mA current loop and audible, visual input warnings (BEEP-JACK™) and more. This instrument provides a tough and robust tool for the most demanding user. Complying to the highest safety standards with a rating of CAT IV 1000V and feature packed, the BM869 is years ahead of its time, offering additional features of dual temperature measurement, 100kHz, AC+DC voltage bandwidth and VFD AC voltage.

- 5 4/5 digit 50 000 count LCD
- Cat IV 1000V
- Backlight
- Dual digital display
- 20A current input short capability
- Min/Max/Ave recording
- 41 segment bargraph
- Crest and data hold
- Relative measurement
- 600V input protection on resistance and capacitance
- dBm readings
- %4 – 20 mA loop current.
- Beep-Jack™
- Audible and visual input warning
- T1-T2 temperature differential
- VFD, V and Hz readings

EA QTY 1

Compliance and Safety	Meets EN61010-1 2nd Edition CATIV 1kV
Overload Protection	mAmA - 10kA Fuse A - 20kA Fuse Voltages - 1050V RMS
Contents	Each BM869 comes in a gift box with operating manual, batteries installed, test leads, one type-K thermocouple.
Tester Dimensions	L208 x W103 x T64.5mm with Holster
Batteries	1 x Alkaline 9V IEC6LF22
Weight	635g including holster
Optional accessories	
Magnet Hanger	BMH-01
Replacement Test Leads	AL-04
USB Optical Cable with Special Software	BU-86X

Feature	Range	Accuracy
AC/DC Voltage	500m/5/50/500/1000V	±0.8%+20
AC/DC Current	500µ/5000µ/50m/500m/5/10A	±0.5%+50
Resistance	500/5k/50k/500k/5M/50MΩ	± 0.07% + 10
Frequency Line	10Hz ~ 200kHz	± 0.02% + 4
Logic	5Hz ~ 12MHz	± 0.002% + 4
Capacitance	50n/500n/5µ/50µ/500µ/5m/25mF	±2.0%+3
Temperature	-50°C to 1000°C	±0.3%+1°C

PORTABLE STORAGE SOURCE

AC VOLTAGE SOURCE PROVING UNIT



Part No. PD230

The PD230 is a voltage proving device, providing an alternative AC voltage source, to test the function of voltage measuring instruments such as voltage testers and digital multimeter with a high input impedance. An inverter, powered by a 9V battery provides an AC voltage source. A portable voltage source is useful when no other voltage source is available when testing a voltage measuring instrument by taking a reading before and after an actual test, thus ensuring that the instrument was functioning before and after when proving that an electrical conductor is "dead".

- 230V and 415V AC output
- Visual indicator when source in on
- Push test button with protection guard
- Magnets to mount and metal panels

EA QTY 1

Compliance and Safety	EN61326-1, IEC61010 CAT I
Contents	Each PD230 supplied in a gift box with operating manual, 9V battery and carry pouch
Tester Dimensions	L128 × W72 × T45mm
Batteries	One 9V alkaline 6F22
Weight	315g including battery

CURRENT CLAMP METERS

DIGITAL CLAMP METER OPEN JAW 200A AC



CAT III
600V

Part No. T2600

A handy instrument for quick AC current measurement to 200 Amp and various digital multimeter functions. The casing is designed for easy use and storage of the test leads. The meter has a number of extra features of AC/DC voltage, capacitance, frequency, duty cycle, continuity, diode test and incorporates auto or manual ranges. An LCD Backlight assists reading in low light areas. It has more features like relative measurements and data hold.

- Easy to use / access
- Data hold
- 3 1/2 digit 3999 count LCD
- Duty cycle
- Auto 'off'
- Relative zero

EA QTY 1

Compliance and Safety	IEC61010-1 and -2-032 CAT III 600V
European Commy Directives	89/336/EEC (EMC) & 73/23/EEC (low voltage), CE
Contents	Each T2600 comes in a soft pouch with battery, test leads and manual.
Tester Dimensions	L193 x W68 x T43mm
Batteries	1 x 9V 6F22
Weight	230g
Replacement Leads	AL04

Feature	Range	Accuracy
AC Current	200A	±3% +3
AC Voltage	4/40/400/700V	±0.8% +5
DC Voltage	4/40/400/1000V	±0.8% +3
Resistance	400/4k/400k/4/40MΩ	±1.2% +1
Frequency	10Hz to 100Hz	±2% +1
Capacitance	4n/400n/4/40μF	±4% +10
Jaw Size	12mm	

DIGITAL CLAMP 600A AC & COMPACT



CAT III
600V

Part No. BM111M

A handy autoranging clamp amp meter, with multimeter functions with a proven track record. Ideal for general purpose electrical work. It is well-priced, compact and easily fits into a pocket.

- 3 3/4 3999 count LCD
- Max data hold
- Relative zero
- Small, slim line jaw

EA QTY 1

Compliance and Safety	IEC61010-2-032, CAT III 600V, CAT IV 300V (the category being upgraded) Pollution Degree 2, EN61326 1997, EN61000-4-3
Contents	Each BM111M comes in a gift box with operating manual, batteries installed and soft carry pouch.
Tester Dimensions	L190 x W63 x T32mm
Batteries	2 x 1.5V LR44
Weight	187g
Replacement Leads	AL04

Feature	Range	Accuracy
AC Current	40/400/600A	± 1.9% ± 8
AC Voltage	4/40/400/600V	± 1.5% ± 5
DC Voltage	400 m/4/40/400/600V	± 0.5% ± 3
Resistance	400/4k/40k/400k/4M/40MΩ	± 1.0% ± 4
Frequency	5 Hz to 100kHz	± 0.5% ± 4
Capacitance	500n/5μ/50μ/500μ/3000μF	± 3.5% ± 6
Jaw Size	28mm	

TEST AND MEASUREMENT

BRYMEN COMPACT 600A AC CLAMP



**CAT III
600V**

Part No. BM127M

The BM127M is a unique style, compact clamp meter as it incorporates a separate multimeter with its own LCD. This meter has two displays, the top one for the clamp and the other for the multimeter i.e. two fully functioning meters that fit in the palm of your hand.

- Small ultra slim clamp jaws
- AC 600A capability
- Max hold
- Data hold
- Display: current clamp
- Light weight and small body
- Fully auto ranging DMM
- Audible continuity
- 3^{3/4} digits 4000 counts LCD
- Display V, °C/F, μ A Ω

EA QTY 1

Compliance and Safety	Meets both EN610110-2-032 CAT III 600V & UL610110B-2-032 CAT III 600V
Contents	Each BM127M comes in a gift box with operating manual, 2 batteries installed and 2 spares and soft carry pouch.
Tester Dimensions	L190 x W63 x T32mm
Batteries	2 x 1.5V LR44
Weight	187g
Replacement Leads	AL04

Feature	Range	Accuracy
AC Current	40/400/600A AC	$\pm 1.9\% +8$
AC μ A DMM	400/2000 μ A	$\pm 2\% +5$
DC μ A DMM	400/2000 μ A	$\pm 1.5\% +4$
AC Voltage	4/40/400/600V	$\pm 1.5\% +5$
DC Voltage	400m/4/40/400/600V	$\pm 0.5\% +3$
Resistance	400/4k/40k/400k/4/40M Ω	$\pm 1\% +4$
Frequency	-5 Hz to 100kHz	$\pm 0.5\% +4$
Capacitance	500n/5/50/500/3000 μ F	$\pm 3.5\% +6$
Temperature	-20° to 300°C	$\pm 2\% +3^{\circ}\text{C}$
Jaw Size	28mm	

CLAMP METER 1000A AC AUTO RANGING



**CAT II
600V**

Part No. C2950

The C2950 is an ideal clamp meter for measuring single phase appliance loads with the use of the line splitter. The package includes the line splitter AL-AUS10A.

- 4000 count 3 1/2 digit LCD
- Data hold
- Auto ranging and range/feature select
- Auto-power 'off'
- Flashlight
- Low battery indication continuity and diode check
- Splitter 1x Active line and 10x access points
- Jaw Size 35 mm

EA QTY 1

Compliance and Safety	EN61010 CAT II 600V
Contents	Supplied in combination hang cell pack with clamp, splitter, leads, soft pouch, battery and manual.
Tester Dimensions	L183 x W62 x T20mm
Batteries	1 x CR2032 (3V DC)
Weight	105 g including batteries
Accessories	TEL - AUS10A

Feature	Range	Accuracy
AC Voltage	40/400/600V	$\pm 1\% \pm 5$
DC Voltage	4/40/400/10000V	$\pm 1.5\% \pm 5$
Current AC	40/400/1000A (40 – 200 Hz)	$\pm 2\% \pm 5$
Resistance	400 Ω /4/40/400k Ω /4/40M Ω	$\pm 2\% \pm 5$

60A AC AND LEAKAGE CURRENT CLAMP METER



**CAT II
600V**

Part No. C2006

The C2006 is a low current measuring clamp meter including a low 20mA range. It is suitable for detecting leakage current in earth conductors, making it handy for testing appliances. This clamp has two ranges 0 – 20mA and a high range to 60 A. Compact and small with a 31mm diameter jaw opening. Used with appliance adaptor C-DEL to test for leakage current in appliance testing (run test) according to AS3760.

- 3 digit, 1999 count LCD
- CATIII 600V
- Auto/manual ranging
- Data hold
- Low battery display
- Jaw opening ø31mm

EA QTY 1

Compliance and Safety	IEC61010-1 CAT II 600V
Contents	The C2006 comes in a gift box with test leads and operating manual.
Dimensions	L208 × W38 × T529mm
Batteries	2 x 1.5V AAA
Weight	110g
Replacement Test Leads	AL28-1

Feature	Range	Accuracy
AC Current	2/20mA	±2% ± 5
	60A (<50A)	±2% ± 5
	(>50A)	±3% ± 5

AC LEAKAGE CURRENT CLAMP



**CAT III
600V**

Part No. C2010

The C2010 is a very accurate current clamp capable of measuring in the low mA range. It is suitable for detecting leakage current in earth conductors. Feature packed with functions such as max recording, relative measurement, backlight, etc.

- 3 1/2 digit, 3999 Count LCD
- CATIII 600V
- Auto/manual ranging
- Max recording
- Backlight LCD
- Continuity with buzzer
- Diode check
- Data hold
- Duty cycle 0.1% to 99.9%
- Low pass filter for voltage measurement
- Temperature type-K thermocouple
- 10 MΩ input – voltage range
- Resistance range - 250V AC/DC PTC circuit protection

EA QTY 1

Compliance and Safety	IEC61010-1 CATIII 600V
Contents	Each C2010 is supplied in a gift box with operating manual, soft carry bag, batteries, thermocouple, test leads.
Dimensions	L260 x W92 x T55mm
Batteries	3 x AAA
Weight	+ 400g
Spare Leads	AL28-1

Feature	Range	Accuracy
AC Current	20m/200m/2/20/200/600A	50 to 60Hz ±1% +8
		30Hz to 10kHz ±3% +10
AC Voltage	200m/2/20/200/600	50 to 60Hz ±0.7% +3
DC Voltage	200m/2/20/200/600V	±0.8% +5
Resistance	200Ω/2k/20k/200k/2M	±1% +2
	20MΩ	±2% +5
Temperature	-20°C to 0°C	±2% +5
	1° to 400°C	±1% +3
	401° to 1000°C	±2% +3
Jaw Size	31x40mm	

TEST AND MEASUREMENT

CURRENT CLAMP 600A AC



**CAT IV
600V**

Part No. T9001

This 600A AC clamp is a new generation of clamp meter with some exceptional features such as NCV (non-contact voltage detection). Compact, with a double moulded housing, this meter is attractive, reliable and feature filled.

- 3 3/4 Digit 4000 count LCD
- Data hold/relative
- Frequency
- Duty cycle
- Auto-power 'off'
- Diode test
- Double moulded housing
- EF or NCV test 100 to 600V

EA QTY 1

Compliance and Safety	EN61010 CAT IV 600V pollution degree 2, CE
Contents	The T9001 comes in a gift box with test leads and operating manual.
Dimensions	L233 x W80 x T43 mm
Batteries	9V 6F22 giving ± 200hrs
Weight	344g with the battery
Replacement Test Leads	AL04

Feature	Range	Resolution	Accuracy
DC Voltage	400m/4/40/400/600 V	100V	± 0.5% ± 1
AC Voltage	400m/4/40/400/600 V	1mV (0.1mV on 400mV range)	± 1% ± 4
AC Current	40/400/600 A	0.01 A	± 3.5% ± 5
Resistance	400/4k/40k/400k/4M/40MΩ	0.1Ω	± 3% ± 4
Capacitance	40n/400nF/4/40/100μF	0.1n F	± 3% ± 10
Frequency	5/50/5k/50k/500k5MHz	0.01 Hz	± 0.1% ± 3
Duty Cycle	2Hz to 10Hz; 10% to 90%	0.1%	± 2% ± 5
Jaw Size	42mm		

COMPACT CLAMP METER TRUE-RMS 600A AC CATIII 600V



Part No. BM076

The Brymen BM076 is a new generation, accurate AC 600A current clamp with numerous features and a very high safety rating.

- 3 5/6 digit, 6000 count LCD
- CATIII 600V
- True-RMS measurement
- Inrush current 80ms peak-rms
- AmpTip™ low current range
- EF detection (NCV) and probe contact
- 3 Phase rotation detection
- Data hold and relative zero
- Min/Max/Avg recording
- Backlight LCD
- Diode test
- APO idle after 32 minutes
- Temperature type-K thermocouple
- Jaws 30mm cable with AmpTip™ facility

CAT III
600V

CAT IV
300V

EA QTY 1

Compliance and Safety	IEC/EN61010-2-032 1st & 3rd Ed. CATIII 600V
Contents	Each BM076 is supplied in a gift box with operating manual, soft carry bag, batteries, type-k thermocouple with plug, crocodile clips and test leads.
Dimensions	L217 × W76 × T37mm
Batteries	2 x 1.5 AA size
Weight	186g
Spare Leads	AL04RBY Set of 3 leads, red white black with crocodile clips and safety covers. CATIV 1kV (CATIII1kV without cover) Crocodile Clips rates CATIV600V.

Feature	Range	Accuracy
AC Current	60.00A, 600.0A (0Hz – 100Hz)	±1.8% + 5.(10 <6A)
AmpTip™	60.00A AC (50Hz - 100Hz)	±1.5% + 5
DC Voltage	600.0V	±1% + 5
AC Voltage	600.0V (50Hz – 60Hz)	±1% + 5
Resistance	600.0, 6.000k, 60.00kΩ	± 2% + 4
Capacitance	200.0μF, 2500μF	±2% + 4
Temperature	-40.0° to 99.9°C 100° to 400°C	±1% + 0.8° C ±1% + 1° C
DCμA	200.0μA, 2000μA (Burden Voltage +3.5mV/μA)	±1% + 5
Frequency	600V (5Hz – 999.9Hz) 60A AmpTip™ (50Hz – 400 Hz) 60A, 600A (50Hz – 400Hz)	±1% + 5
EF-Detection (NVC)	Range (Tolerance) 20V (10V – 36V) 55V (23V – 83V) 110V (59V – 165V) 220V (124V – 330V) 440V (250V – 600V)	LCD Bar Indication - -- --- ---- -----

TEST AND MEASUREMENT

CLAMP METER TRUE-RMS 1000A AC CATIV 600V CATIII 1000V



**CAT IV
600V**

Part No. BM086

The Brymen BM086 is a new generation, accurate current AC 1000A current clamp with numerous features and a very high safety rating.

- 3 5/6 digit, 6000
- CATIV 600V CATIII 1000V
- True-RMS measurement
- Peak-RMS inrush current 80ms
- AmpTip™ low current range
- EF detection (NCV) and probe contact, audible and visual
- 3 Phase rotation detection (supply and motor)
- Crest hold (instantaneous peak hold)
- Data hold and relative zero
- Min/Max/Avg recording
- Backlight LCD
- Diode test
- APO idle after 32 minutes
- Temperature type-K thermocouple
- Jaws 51mm cable with AmpTip™ facility

EA QTY 1

Compliance and Safety	IEC/EN61010-1 Ed 3.0 IEC/EN61010-2-032 Ed 3 CATIII 1000V CATIV 600V.
Contents	Each BM086 is supplied in a gift box with operating manual, soft carry bag, batteries, type-k thermocouple with plug and test leads.
Dimensions	L258 × W94 × T44mm
Batteries	2 x 1.5 AA size, IEC R6
Weight	312g
Spare Leads	AL04RBY Set of 3 leads, red white black with crocodile clips and safety covers. CATIV 1kV (CATIII1kV without cover). Crocodile Clips rates CATIV600V

Feature	Range	Accuracy
AC Current	60.00A, 600.0A, 1000A (40Hz - 100Hz)	±1.8% + 5 (10 <9A)
AmpTip™	60.00AAC	±1.5% + 5
DC Voltage	600.0V, 1000V	±0.8% + 5
AC Voltage	600.0V (50Hz – 60Hz)	±0.8% + 5
Resistance	600.0, 6.000k, 60.00kΩ	±1% + 5
Capacitance	200.0μF, 2500μF	±2% + 4
Temperature	-40.0° to 99.9° C 100° to 400° C	±1% + 0.8° C ±1% + 1° C
DCμA	200.0μA, 2000μA (Burden Voltage +3.5mV/μA)	±1% + 5
Frequency	600V, 1000V (5Hz – 999.9Hz) 60A AmpTip™ (40Hz – 400 Hz) 60A, 600A, 1000A (40Hz – 400Hz)	±1% + 5
EF-Detection (NVC)	Range (Tolerance) 20V (10V – 36V) 55V (23V – 83V) 110V (59V – 165V) 220V (124V – 330V) 440V (250V – 600V)	LCD Bar Indication - -- --- ---- -----

CLAMP METER 1000A AC & TRUE RMS



Part No. TBM116

Two unique AC clamp meters, packed with features that will provide the user with reliable test information. Voltage input impedance is 10MΩ, 30pF. The unit is protected against overloads i.e. 1000A and 600V AC/DC.

- 334 digit 4000 count LCD
- Data hold
- Relative zero
- APO idle 30 minutes
- Power consumption APO
TBM115 = 40μA
TBM116 = 190mA
- Updates 3 x per second

EA QTY 1

Compliance and Safety	IEC61010-2-032 2nd Ed. (2002) UL3111-2-032 (1999) CAT III 600V Pollution Degree 2 EN61326 1997, 1998/A1 EN61000-4-3 (1996)
Contents	Each TBM116 is supplied in a gift box with operating manual, soft carry bag, batteries, type-k thermocouple with plug and test leads.
Dimensions	L224 x W78 x T40mm
Fuse	None
Batteries	2 x 1.5V AAA
Weight	220g
Replacement Test Leads	AL04

Feature	Range	Accuracy
DC Voltage	400 mV/ 4/ 40/ 400V/ 600V	±1.7% ± 3
AC Voltage	50-60 Hz 4/ 40/ 400V/ 600V	±2.0% ± 5
Resistance	400/ 4k/ 40k/ 400k/ 4M/ 40MΩ	±1.5% ± 4
Continuity	400Ω Audible; 10Ω to 120Ω	±1.5% ± 5
AC Current	<120Ω Audible. 0 - 400Ω	±1.5% ± 5
TBM116 Crest Factor	< 2.61 @ full scale & < 5.21 @ 1/2 scale	
Jaw Size	45 mm	

CLAMP METER 2000A AC TRUE RMS



Part No. TBM118

A unique AC 2000A clamp meters, packed with features such as Autocheck™ (automatic DCV, ACV & Ω detection) and Lo-Z (drains ghost voltages in auto-VΩ position).

- 3 5/6 Digit 6000 count LCD
- Autocheck™ V & Ω
- Electric Field Detection (EF). Antenna on top side of stationary jaw
- Data hold
- APO, idle 3 minutes
- Updates 5 x per second
- Back light
- True RMS

EA QTY 1

Compliance and Safety	IEC61010-2-032 2nd Ed. (2002) UL3111-2-032 (1999) CAT III 600V Pollution Degree 2 EN61326 1997, 1998/A1 EN61000-4-3 (1996)
Contents	The TBM118 comes in a gift box with operating manual, test leads, batteries installed and soft carry pouch
Fuse	None
Batteries	2 x 1.5V AAA
Dimensions	L224 x W78 x T40mm
Weight	220g
Replacement Test Leads	AL04

Feature	Range	Accuracy
AC/DC Voltage	600V	± 2.0% ± 5
AC Current	2000A 50/60Hz	± 1.5% ± 5
Resistance	6k, 60k, 600k, 6MΩ	± 2.0% ± 4
Continuity	600Ω (Audible; 10Ω to 2500Ω)	± 2% ± 8
Capacitance	100μF, 1000μF, 10μF, 100μF, 2000μF	± 3.5% ± 5
Frequency	10Hz to 50kHz	± 0.5% ± 4
Jaw Size	5mm	

TEST AND MEASUREMENT

1000 AC CLAMP LOGGER TRUE RMS



DATA
LOGGER

CAT III
600V

Part No. TBM135

Ideal for quick data logging and checking maximum and minimum demand over a period. The TBM135 records Max/Min every minute for a total of 5400 minutes.

- Voltage 6000, Hz & Ω 9999, Amp 4000 counts display
- Stand alone 5400 points Hi-Lo data logging
- Update rate Hz - 2/sec, V, A, Ω , Temp - 4/sec
- APO idle for 17 minutes
- Hi-Lo logging
- Auto hold
- Backlight
- PC interface (optional) and software

EA QTY 1

Compliance and Safety	IEC61010-2-032 2nd Edition (2002) UL3111-2-032 (1999) CAT III 600V Pollution Degree 2 EMC EN61326 1997, 1998/A1), EN61000-4-3 (1996)
Contents	The TBM135 comes in a gift box with operating manual, batteries installed, test leads, type-K thermocouple and soft carry pouch.
Dimensions	L224 x W78 x T40mm
Batteries	2 x 1.5V AAA
Weight	224g
Replacement Test Leads	AL04

Feature	Range	Accuracy
AC/DC Voltage	600V	$\pm 1.5\% \pm 5$
Resistance	999.99 Ω	$\pm 1.0\% \pm$
Continuity	50 Ω to 250 Ω (Audible; 10 Ω ~ 120 Ω)	$\pm 1.5\% \pm 5$
AC Current	40/400/1000A 50 TO 60Hz	$\pm 2.0\% \pm 5$
Temperature	-50° to 300°C, -58° to 572°F	$\pm 2\% \pm 3^{\circ}\text{C}$
Frequency	5Hz to 500Hz $\pm 0.5\% \pm 4\text{d}$	$\pm 0.5\% \pm 4$
THD%-R*	0 to 99.9%	$\pm 5\% \pm 6$
Jaw Size	45mm	

DIGITAL CLAMP METER 660A AC/DC



TRUE
RMS

CAT III
600V

Part No. C2108

A 6600 count mini true-RMS AC/DC digital compact clamp meter with overmoulded casing and in-rush current testing. This unique meter has many features such as clamp on frequency function and a clamp light.

- 3 5/6 digit 6600 LCD
- Clamp on frequency function
- Auto-power 'off'
- Auto/Manual ranging
- Clamp lighting
- Back light
- In-rush current

EA QTY 1

Compliance and Safety	Conforms to IEC1010-1 standard CAT III 600V, CE.
Contents	The C2108 supplied in a gift box, with soft pouch, leads, batteries and instruction manual.
Dimensions	L208 x W78 x T35mm
Batteries	AAA (1.5V) x 3
Weight	$\pm 340\text{g}$ (excl. battery)
Replacement Test Leads	AL04

Feature	Range	Accuracy
DC Voltage	660mV/6.6/66/660V	$\pm 0.8\% +5$
AC Voltage	660mV/6.6/66/660V	$\pm 1.5\% +10$
AC Current	66/660A	$\pm 3.0\% +10$
DC Current	66/660A	$\pm 3.0\% +10$
Resistance	660/6.6k/66k/660k/6.6 Ω 66M Ω	$\pm 1.2\% +2$ $\pm 2.0\% +5$
Frequency - Terminals	10Hz - 10kHz	$\pm 1.5\% +5$
Frequency - Clamps	10Hz - 1kHz	$\pm 1.5\% +5$
Capacitance	66 μ /660 μ /6.6/66mF	$\pm 4.0\% +3$
Jaw Size	26mm	

TRUE RMS CURRENT CLAMP 600A AC/DC



**CAT IV
600V**

Part No. T9005

The T9005 is a 600A AC/DC clamp meter. It is feature packed and part of the T9000 family from CABAC. With unique features such as inrush current measurement, crest or peak hold, min/max recording, etc, it is ideal for the electrician or refrigeration technician who wishes to measure ea motor's starting current.

- 42mm jaw
- Auto-power 'off'
- Inrush current select for motor starting
- Zero/relative selection
- Min/Max recording
- Selection switch with two off
- Temp measurement (type-K thermocouple)
- Hold/peak hold
- 4 digits 10,000 count LCD with paragraph and backlight
- Low battery indicator
- Temperature, Hz & continuity
- True RMS measurement
- Double moulded housing
- CAT IV 600V
- 1M Ω input impedance

EA QTY 1

Contents	The T9005 supplied in a gift box with test leads, type-K thermocouple with adaptor and operating manual.
Dimensions	L233 x W80 x T43mm
Batteries	1 x 9V 6F22 giving \pm 50 hrs
Weight	346g including battery
Replacement Test Leads	AL04

Feature	Range	Resolution	Accuracy
DC Voltage	600.0V	0.1V	\pm 1% \pm 5
AC Voltage	600V	0.1V	\pm 1% \pm 5
DC Current	600A	0.1A	\pm 2% \pm 5
AC Current	600A	0.1A	\pm 2% \pm 5
Resistance	0 to 999.9; 1000 to 9999 Ω	0.1 Ω /1 Ω	\pm 1.5% \pm 5
Capacitance	0 to 999.9 μ F	0.1 μ F	\pm 5% \pm 10
Frequency	20 to 400.0Hz	0.1Hz	\pm 0.5% \pm 5
Temperature	-40 to 1200 $^{\circ}$ C	1 $^{\circ}$ C	\pm 0.5% \pm 1 $^{\circ}$ C
Jaw Size	42mm		

TEST AND MEASUREMENT

COMPACT CLAMP METER TRUE-RMS 600A AC/DC CATIII 600



Part No. BM079

The Brymen BM079 is a new generation, accurate AC/DC 600A current clamp with numerous features and a very high safety rating.

- 3 5/6 digit, 6000
- CATIII 600V
- True-RMS measurement
- Peak-RMS inrush current 80ms
- AmpTip™ low current range
- EF detection (NCV) and probe contact
- 3 Phase rotation detection (supply and motor)
- Data hold and relative zero
- Min/Max/Avg recording
- Backlight LCD
- Diode test
- APO idle after 32 minutes
- Temperature type-K thermocouple
- Jaws 35mm cable with AmpTip™ facility

CAT III
600V

CAT IV
300V

EA QTY 1

Compliance and Safety IEC/EN61010-2-032 1st & 3rd Ed. CATIII 600V

Contents Each BM079 is supplied in a gift box with operating manual, soft carry bag, batteries, thermocouple with plug and test leads.

Dimensions L223 × W76 × T37mm

Batteries 2 x 1.5 AA size

Weight 234g

Spare Leads AL04RBY
Set of 3 leads, red white black with crocodile clips and safety covers, CATIV 1kV (CATIII1kV without cover). Crocodile Clips rates CATIV600V.

Feature	Range	Accuracy
AC Current	60.00A, 600.0A	±2% + 5 (+10 < 9A)
DC Current	60.00A, 600.0A (50 – 100Hz)	±2% + 5 (+10 < 9A)
AC+DC Current	60.00A, ^00.0A (50Hz – 100 Hz)	±2% + 7
AmpTip™ Current	60.0A AC (50Hz – 100Hz) 60.0A DC 60.00A ACA+DCA (DC, 50Hz – 100Hz)	±1.5% + 5 ±2.0% + 5 ±2.2% + 7
DC Voltage	600.0V	±1% + 5
AC Voltage	600.0V @ 50 – 60 Hz	±1.2%+ 7
AC+DC Voltage	600.0V (DC, 50Hz – 60Hz)	±1.2% + 7
Resistance	600.0Ω, 6.000kΩ, 60.00kΩ	±1% + 5
Capacitance	200.0μF, 2500μF	±2% + 4
Temperature	-40.0° to 99.9° C 100° to 400° C	±1% + 0.8° C ±1% + 1° C
DCμA	200.0μA, 2000μA (Burden Voltage +3.5mV/μA)	±1% + 5
Frequency	600V (5Hz – 999.9Hz) 60A AmpTip™ (50Hz – 400 Hz) 60A, 600A (50Hz – 400Hz)	±1% + 5
EF-Detection (NCV)	Range (Tolerance) 20V (10V – 36V) 55V (23V – 83V) 110V (59V – 165V) 220V (124V – 330V) 440V (250V – 600V)	LCD Bar Indication - -- --- ---- -----

TRUE RMS CURRENT CLAMP 1000A AC/DC



**CAT IV
600V**

Part No. T9105

The top of the range of our new generation style clamp meters. Feature packed with in-rush current measurement, peak and data hold, temperature, etc. Ideal for measuring motor start up current.

- 4 Digit 10 000 count LCD
- True RMS
- 1M Ω input impedance
- Data hold/relative/peak hold
- Min/max recording
- In-rush current mode (100 ms)
- Backlight
- Frequency
- Temperature type-K thermocouple
- Auto-power 'off'
- Diode test
- Low battery indication
- Double moulded housing

EA QTY 1

Compliance and Safety	EN61010 CAT IV 600V pollution degree 2, CE
Contents	The T9105 comes in a gift box with test leads, battery, type-K thermocouple with adaptor and operating manual.
Dimensions	L254 x W80 x T43mm
Batteries	1 x 9V 6F22
Weight	360g
Replacement Test Leads	AL04

Feature	Range		Accuracy
DC Voltage	600.0V	0.1V	$\pm 1\% \pm 5$
AC Voltage	600V	0.1V	$\pm 1\% \pm 5$
DC Current	1000A	0.1A	$\pm 2\% \pm 5$
AC Current	1000A	0.1A	$\pm 2\% \pm 5$
Resistance	0 to 999.9; 1000 to 9999 Ω	0.1 Ω /1 Ω	$\pm 1.5\% \pm 5$
Capacitance	0 to 999.9 μ F	0.1 μ F	$\pm 5\% \pm 10$
Frequency	20 to 400.0Hz	0.1Hz	$\pm 5\% \pm 10$
Temperature	-40 to 1200 $^{\circ}$ C	1 $^{\circ}$ C	$\pm 0.5\% \pm 1^{\circ}$ C
Jaw Size	65 x 34mm		

TEST AND MEASUREMENT

CLAMP METER TRUE-RMS 1000A AC/DC CATIV 600V CATIII 1000V



Part No. BM089

The Brymen BM089 is a new generation, accurate AC/DC 1000A current clamp with numerous features and a very high safety rating.

- 3 5/6 digit, 6000
- CATIV 600V CATIII 1000V
- True-RMS measurement
- Peak-RMS inrush current 80ms
- AmpTip™ low current range
- EF detection (NCV) and probe contact; audible and visual
- 3 Phase rotation detection (supply and motor)
- Crest hold (instantaneous peak-hold)
- Data hold and relative zero
- Min/Max/Avg recording
- Backlight LCD
- Diode test
- APO idle after 32 minutes
- Temperature type-K thermocouple
- Jaws 51mm cable with AmpTip™ facility

EA QTY 1

Compliance and Safety	IEC/EN61010-1 Ed 3.0, IEC/EN61010-2-032 Ed 3, CATIII 1000V, CATIV 600V.
Contents	Each BM089 is supplied in a gift box with operating manual, soft carry bag, batteries, type-K thermocouple with plug and test leads.
Dimensions	L258 × W94 × T44mm
Batteries	2 x 1.5 AA size
Weight	392g
Spare Leads	AL04RBY Set of 3 leads, red white black with crocodile clips and safety covers. CATIV 1kV (CATIII 1kV without cover) Crocodile Clips rates CATIV600V

Feature	Range	Accuracy
AC Current	60.00A, 600.0A, 1000A	±1.8% + 5(+10 < 9A)
DC Current	60.00A, 600.0A, 1000A	±1.8% + 5 (+10 < 9A)
AC+DC Current	60.00A, 600.0A, 1000A, DC+AC (40Hz – 100Hz)	±2% + 7
AmpTip™ Current	60.0A AC (50Hz – 100Hz) 60.0A DC 60.00A DC+AC (DC, 40Hz – 100Hz)	±1.5% + 5 ±1.5% + 5 ±2% + 7
DC Voltage	600.0V, 1000V	±0.8% + 5
AC Voltage	600.0V, 1000V (50 – 60 Hz)	±0.8% + 5
AC+DC Voltage	600.0V, 1000V (DC, 50Hz – 60 Hz)	±1% + 7
Resistance	600.0Ω, 6.000kΩ, 60.00kΩ	± 1% + 5
Capacitance	200.0μF, 2500μF	±2% + 4
Temperature	-40.0° to 99.9° C 100° to 400° C	±1% + 0.8° C ±1% + 1° C
DCμA	200.0μA, 2000μA (Burden Voltage +3.5mV/μA)	±1% + 5 ±1% + 5
Frequency	600V, 1000V (5Hz – 999.9Hz) 60A AmpTip™ (40Hz – 400 Hz) 60A, 600A, 1000A (40Hz – 400Hz)	
EF-Detection (NCV)	Range (Tolerance) 20V (10V – 36V) 55V (23V – 83V) 110V (59V – 165V) 220V (124V – 330V) 440V (250V – 600V)	LCD Bar Indication - -- --- ---- -----

CLAMP METER TRUE-RMS 2000A AC/DC CATIV 1000V



**CAT IV
1000V**

Part No. BM197

The Brymen BM197 is a new generation, accurate current clamp with numerous features and a very high safety rating. This dual display clamp meter offers EF detection (NCV) variable internal resistance for voltage measurement, temperature measurement and current clamp frequency detection among many others.

- 3 5/6 digit, 6000 + 1999 counts dual LCD
- Dual Display AC+Hz and ACV+Hz
- CATIV 1000V
- True-RMS measurement
- Autocheck™
- VFD-V and VFD-Hz for VSD
- EF detection (NCV)
- Probe contact EF detection
- Fast 5ms Crest-Max mode to capture inrush currents
- Data hold and relative zero
- Backlight LCD
- APO after 34 minutes
- Lo-Z volts to drain ghost voltages (Autocheck™ feature)
- Type-K thermocouple temperature measurement
- Large jaws for 55mm cable
- USB cable set and software (optional)

EA QTY 1

Compliance and Safety	IEC/EN61010-1 2ND Ed. CATIV 1000V. UL61010-1
Contents	Each BM197 is supplied in a gift box with operating manual, soft carry bag, batteries, thermocouple, test leads.
Dimensions	L264 × W97 × T43mm
Batteries	2 x 1.5 AA size
Weight	608g
Spare Leads	AL04
Optional software and cables	BRUA-19X

Feature	Range	Accuracy
AC Current	200/500/2000 A	± 2.5% + 5
DC Current	200/1000/2000 A	± 3% + 8
DC Voltage	6/60/600/1000 V	±0.5% + 5
AC Voltage	6/60/600/1000 V	±1.2% + 5
Resistance	600/6k/60kΩ	±05% to 2.3% + 5
Temperature	-50° to 1000° C	±0.3% + 4
VFD_AVC 20 - 200Hz	6/60/600/100V	10kΩ= 100V 2% 5
Autocheck™ Internal Impedance	Typical values 10kΩ=100V; 60kΩ=300V; 200kΩ=600V & 200kΩ=1000V	
Capacitance	60n/600n/6/60/600/2000µF	±2% to 4%+5

DIGITAL CLAMP ADAPTOR - 2000A AC/DC



Part No. T202

The T202 current clamp meter is a transducer which will allow your multimeter to measure electrical current up to 1500 amps AC or 2000 amps DC, with a frequency response up to 400Hz. For DC measurement the unit is clamped in the correct direction on the conductor, using the + (Positive) and the - (Negative) on the jaws.

- Range from 200A to 2000A AC/DC
- Hall effect sensor for DC amps measurement
- Effective readout on to digital multimeter
- Data logging capability
- High accuracy
- Auto zero
- Low battery LED red light indicator

EA QTY 1

Compliance and Safety	Safety Meets EN61010-1 CAT II 1000V & EN61012032 EMC Meets EN89/336EEC and 93/86EEC Overload Protection 2000A - 60 seconds maximum
Contents	Each T202 comes with integral test leads, batteries and instruction manual.
Dimensions	H244 x W100 x T35mm
Batteries	1 x PP3 9V
Weight	490g

Feature	Range
AC Current	6200/1500A
DC Current	200/2000A
Output	1mV per Ampere
Jaw Size	57mm

TEST AND MEASUREMENT

POWER CLAMP 1000AAC, TRUE RMS



CAT III
600V

Part No. BM157

A unique power clamp meter that is feature packed, deluxe model to suit the users requirements. Suitable for balanced and unbalanced 3 phase loads.

- IEC61010-2-032 CAT III 600V
- Voltage 6000 counts
 - Hz & Ω 9999 counts
 - Amp 4000 counts
- AutoVATM
- Power factor
- Peak RMS hold
- Update rate Hz - 2/sec, V, A, Ω, temp. - 4/sec
- APO Idle for 17 minutes (10µA consumption)
- Backlight
- Temperature
- THD%R

EA QTY 1

Compliance and Safety	IEC/EN61010-1 Ed 3.0, IEC/EN61010-2-032 Ed 3, CATIII 1000V, CATIV 600V.
Contents	Each BM157 comes in a gift box with operating manual, batteries installed, test leads, type-K thermocouple, and soft carry pouch.
Dimensions	L224 x W78 x T40mm
Batteries	2 x 1.5V AAA
Weight	224g
Replacement Test Leads	AL04
Software and Interface Cables	TBR13X + USB2SER

Feature	Range	Accuracy
AC/DC Voltage	600V	±1.5% +5
AC Current	40/400/1000A	±2.5% +5
Resistance	999.9Ω	±1.0% +6
Power kVA	0-600 kVA PF@.99-0.01	F - 51 st ±*3.5% +6
Frequency	5Hz to 500Hz	± 0.5% +4
kW & kVAR	0.00~600.0kW 0.00~600.0kVAR	F - 51 st ±*5.5% +6
Jaw Size	45mm	
THD%-F	0% ~ 999.9%	F - 51 st

INSULATION TESTERS

ANALOGUE INSULATION TESTER



CAT III
500V

Part No. T1800

A standard analogue insulation tester, that is economically priced, but functional for testing installations according to AS3017. The operating panel is colour coded and clearly laid out with matching colours on the analogue display. The casing has a compartment on the side of the meter for packing leads and accessories. It has a twist lock operating button for testing voltage, continuity or high resistance insulation at voltage 250, 500 and 1000V. A shoulder strap leaves the hands free to conduct tests. The batteries are accessible on the underside of the instrument.

- Needle indicator adjustment
- Analogue display
- Voltage detection, warning indication
- Push down button with lock
- Range selection line voltage AC (40-600VAC)
- Lead compartment
- Folding handle
- Compact rugged case with easy storage compartment

EA QTY 1

Compliance and Safety	IEC61010 CAT III 500V, Pollution Degree 2, CE
Contents	The T1800 comes in a compact, rugged case with batteries, spare fuse, leads & crocodile clips, manual and shoulder strap.
Dimensions	L170 x W165 x T92mm
Fuse	1A/250V 5 x 20
Batteries	8 x 1.5V AA
Weight	970 g with Batteries
Replacement Test Leads	's AL24 and AL28-5

Feature	Range	Accuracy
Insulation	0 to 50MΩ & ∞ (+250V DC ± 10%) 0 to 100MΩ & ∞ (+500V DC ± 10%) 0 to 200MΩ & ∞ (+1000V DC ± 10%)	± 5% of full scale
Continuity	± 0 50 & 0 to 500Ω	±5% of F.S
AC Voltage	40 to 600 V AC	±2.5% of F.S

PROFESSIONAL ANALOGUE INSULATION TESTER 250, 500 & 1000V



**CAT III
500V**

Part No. T2732

A well-priced and full featured analogue insulation tester suitable for testing to AS/ NZS3017. The operating panel is colour coded and well laid out. It features a default voltage test to 600V AC, 0-3Ω continuity range and adjustable zero on the continuity range. The meter has a twist lock button to lock the test “on”. A battery check is included on the selector switch. Visual warning indicators indicate: “Live Circuit” and “Battery On”. The batteries are accessible under the meter.

- Fully protected input
- Compact rugged housing with soft rubber boot
- Straps fixed to studs on rubber boots for easy use position during use
- Battery indication
- Needle indicator zeroing adjustment
- Selector switch
- Battery test
- Coloured coded terminals
- CAT III 500V
- Analogue display
- Taut Band Suspension
- Warning light for live line voltage > 24V buzzer
- Locking Push down button > 90V neon
- Zero adjustment for low Ω
- Default voltage measurement
- Anti parallax mirror
- Display scales

EA QTY 1

Contents	The T2732 comes in a rubber holder with batteries, spare fuse, leads & crocodile clips, manual and shoulder strap.
Dimensions	L205 x W90 x T55mm
Fuse	0.5A (5 x 20mm)
Batteries	6 x 1.5V AA
Weight	540g with Batteries
Replacement Test Leads	's AL24 and AL-28-5

Feature	Range	Accuracy
Insulation	0 to 100MΩ (250V DC ± 10%)	± 5% of full scale
	0 to 200MΩ (500V DC ± 10%)	
	0 to 400MΩ (1000V DC ± 10%)	
Continuity	0 to 3Ω (210mA)	±1.0% of full scale
	0 to 500Ω (210 mA)	
AC Voltage	0 to 600V AC	± 3% of full scale
Voltage	90VDC, 70VAC for Visual Indication	
Warning	>24V Buzzer >90V Neon	

*Refer to CABAC website cabac.com.au for terms and conditions on warranty.

TEST AND MEASUREMENT

DIGITAL INSULATION TESTER 250/500/1000V



**CAT III
600V**

Part No. C5201

A low cost multi-voltage digital insulation tester with a large display. This unit is equipped with lock down operating button and is ideal for testing insulation resistance at 250/500/1000V, continuity and AC voltage.

- 3½ digit 1999 count LCD
- Sound and flash alarm
- 22mm digital display
- Data hold
- Continuity Test
- Back light

EA QTY 1

Compliance and Safety	Conforms to IEC1010-1 standard CAT III 600V CAT II 1000V, CE
Contents	The C5201 is supplied in a gift box with a hard plastic case, soft pouch, batteries, instruction manual, star screwdriver, a set of leads with Ø 2mm pin probes and a lead set with crocodile clips.
Dimensions	L190 x W82 x T36mm
Fuse	200mA
Batteries	AA (1.5V) x 6
Weight	545g
Also Available	AL24 PVC Ins. Test Lead & Crocodile Clips

Feature	Range	Accuracy
DC Voltage	1000V	±0.8% 3
AC Voltage	700V	±1.2% 5
Insulation	250V 200mΩ	±3% 5
	500V 1000MΩ	±3% 5
	1000V 2000MΩ	±5% 5
Resistance	200Ω	±1% 3

DIGITAL INSULATION TESTER



**CAT III
500V**

Part No. T2751

The T2751 is a digital insulation tester suitable for industrial applications. It is rugged and accurate with a large LCD display. The operating panel is colour coded and well laid out. It has a rotatory sector switch and an adjustable zeroing on the continuity range. The meter has a twist lock button to lock the test "on". It test insulation at voltages 250.500 and 1000V and has a battery voltage check. There are Warning indicators for "Battery on" and "Live Circuit". The battery compartment is accessible under the meter.

- Compact rugged housing with soft rubber boot
- Strap fixed to studs on rubber boot for easy to use position during use
- Data hold freeze display
- Colour coded rotary switch
- CAT III 500V
- Digital display
- Power on indication
- Push button with lock
- Zero adjust for low Ω
- Selector rotary switch
- Test to AS/NZS 3017

EA QTY 1

Contents	The T2751 comes in a soft pouch with holster, batteries, spare fuse, leads & crocodile clips, manual and shoulder strap.
Dimensions	L200 x W85 x T55mm
Fuse	0.5 A (5 x 20mm)
Batteries	6 x 1.5 V AA
Weight	1380g with Batteries
Replacement Test Leads	AL24

Feature	Range	Accuracy
Insulation (±1.3mA)	0 to 100MΩ ∞ (250V DC ± 10%)	±1.5% +5
	0 to 20MΩ & ∞ (500V DC ± 10%)	±2.5% +3
	0 to 400MΩ & ∞ (1000V DC ± 10%)	±5% +5
Continuity (210mA)	0 to 3 Ω	±1.5% +3
	0 to 500 Ω	±1.5% +3
AC Voltage	0 to 600 V AC	
Voltage Warning	90V DC, 70VAC for Visual Indication 24V for Buzzer	

*Refer to CABAC website cabac.com.au for terms and conditions on warranty.

DIGITAL BAR-GRAPH INSULATION TESTER



**CAT IV
600V**

Part No. C5203

The C5203 insulation tester has test voltages of 50, 100, 250, 500 & 1000V DC. It features a timer providing DAR and PI calculations, detects live circuits and compares readings. The multifunction display indicates dual readings and the digital bar-graph is excellent for quick readings.

- 3 3/4 digit, LCD
- CATIII 1000V, CAT IV 600V
- Insulation test 0.01MΩ to 10.00GΩ
- Insulation test at 50,100, 250, 500 & 1000V
- DAR, PI and timer
- Live circuit detection ACV & DCV
- Insulation test ≤ 1.8mA
- Voltage measurement 750 VAC & 1000VDC
- Backlight LCD
- Continuity testing
- Data hold
- Low battery indication
- Test data memory for 20 readings

EA QTY 1

Compliance and Safety	IEC61010-1 CATIII 1000V.
Contents	Each C5203 comes in a gift box with operating manual, soft carry bag, batteries and test lead accessories.
Dimensions	L180 × W140 × T65mm
Batteries	6 x AA LR6 Alkaline
Weight	900 g including Holster

Feature	Range	Accuracy
VOLTAGE		
DC Voltage	660m/6.6/66/660/1000V	±0.5%±5
AC Voltage	660m/6.6/66/660/750V	± 1.5% ± 5
CONTINUITY		
Resistance	0.01Ω to 200Ω	± 0.5% ± 5
INSULATION TESTER		
50V, 100V, 250V, 500V	0-50,100,250,500 MΩ	± 3% ± 20
1000V	1-5GΩ & 5-10GΩ	5% ± 0.1GΩ & 10% ± 0.2GΩ

TEST AND MEASUREMENT

DIGITAL INSULATION TESTER 125V - 1000V HIGH RANGE INSULATION RESISTANCE, CONTINUITY AND VOLTAGE



**CAT III
1000V**

**CAT IV
600V**

Part No. C8010

The C8010 is a high end 1000V insulation tester suitable for industrial applications requiring Giga-Ohm measurements. High resistance measurement can be essential in certain applications such as evaluating the integrity of medium voltage cables. The C8010 is accurate, easy to use with all the required features for industrial insulation and continuity testing plus some additional functions.

- Large LCD (78x67), 3 ½ digits, 2000 count LCD
- CAT III 600V
- Maximum Insulation resistance 200GOhm @ 1000V
- 1mA test current for insulation test voltage ranges
- Auto-ranging
- Continuity range short circuit >210 mA
- Auto-test stop and smart hold
- Backlight
- Test 'on' warning indication
- REL (Auto-null) function
- AC/DC Voltmeter 600V
- Capacitor test function

EA QTY 1

Compliance and Safety IEC61010-1 CAT III 1000V & CATIV 600V

Contents Parts supplied e.g. gift box, batteries, carry case, hand strap, high quality leads and manual.

Dimensions L221 x W110 x T57mm

Fuse 0.5 A/690V 6x30mm

Batteries 6 x 1.5V AA Alkaline

Weight 642g including batteries

Feature	Range	Accuracy
Insulation Resistance(DC V) +10%	Output current \geq 1.0 mA	
125V	0-25 G Ω	
250V	0-50 G Ω	$\pm(3\% + 5)$
500V	0-100 G Ω	
1000V	0-200G Ω	
Voltage AC/DC	200/2000mV/200/600V	$\pm(3\% + 5)$
Resistance (high range)	20/200//2000K/20M Ω	$\pm(3\% + 5)$
Resistance (continuity)	20/200/2000 Ω (buzzer < 10 Ω)	$\pm(3\% + 5)$
Short circuit current >210mA	Open circuit voltage 5V \pm 1V	$\pm(3\% + 5)$
Capacitance	200n/2000nF/20 μ F	$\pm(3\% + 5)$

HIGH VOLTAGE DIGITAL INSULATION TESTER 500V TO 5KV



**CAT IV
600V**

Part No. C5215

- CAT IV 600V
- Polarisation index/dielectric absorption ratio
- Detailed display - insulation resistance up to 5T Ω
- Temperature measurement
- Step voltage for installer test
- Short circuit current up to 3mA
- Data storage and USB2 to PC communication
- Automatic discharge
- Rugged housing
- Time switch and auto calculate
- Standard or re-chargable batteries

EA QTY 1

Compliance and Safety IEC61010-1/1992 Amendment 2 CATIV 600V

Contents The C5215 comes in soft case with manual, test leads, croc clips, batteries & USB interface cable.

Dimensions L284 x W230 x T125mm

Fuse 0.5 A/690V 6x30mm

Batteries Internal Rechargeable 12V to 2.3A

Weight 2.5Kg

Optional Accessories C5215BATTERYP Rechargeable battery packs 60-51-MS5215-001 Power supply

Feature	Range	Accuracy
Test Voltage	25VDC to 5kVDC in steps of 100V	$\pm 5\%$ - 30%, Please refer to manual
Resistance	0.01M Ω to 5T Ω	$\pm 5\% \pm 5$
Voltage	DC 50V - 1000V AC 50V - 750V	$\pm 5\% \pm 5$
Temperature	-10°C to 70°C	$\pm 1.5^\circ\text{C}$

INSULATION TESTER 0.5-10KV



Part No. TIN7D

The TIN7D industrial insulation tester is a robust, heavy duty that tests insulation at 20 different voltages from 500V to 10kV. It is designed to read accurately in harsh environments.

The tester has a digital bar-graph showing DC output voltage and will indicate and show discharge. The TIN7D will autodischarge and display a "HOLD" message on the display when discharged. After running an insulation test for a minute, Dielectric Absorption Index Ratio (DAR) with the test time is displayed. After 10 minutes, polarization index is displayed. The TIN7D calibrations are saved into a non-volatile memory. The meter will retain their ultra-precise calibration indefinitely. The latest EEPROM technology is used to calibrate and there are no physical adjustments.

The TIN7D has built-in Integral Guard Circuitry to eliminate errors due to surface current creepage. The operation is microprocessor controlled, giving visual and audible indications and warnings to alert test engineers to the status. Current limiting circuitry protects insulation being tested against 'over-power'. This also protects the test engineer against accidental shocks from the 'live' test probes.

- Auto ranging on insulation
- Pre set voltage buttons 1, 2.5, 5 & 10 kV
- Adjustable Steps of 500V
- Microprocessor controlled
- Auto-discharge detector and indication
- Automatic battery test
- Current limit/power limit
- Crowbar/flash-test protection
- Guard circuitry for creepage
- Timer indication with DAR and PI
- ENER-SAVE™ battery energy saving technology
- Heavy Duty case

EA QTY 1

Compliance and Safety	Meets IEC/EN61010-1 CAT 111 300V EMC meets EN61326-1.
Contents	The TIN7D is supplied in a gift box with instruction manual, colour coded leads and batteries.
Dimensions	L330 x W260 x T160mm
Batteries	8 x 1.5V "C" Alkaline
Weight	3.6kg

Feature	Range	Accuracy
Test Voltage (DC V)	1kV, 2.5kV, 5kV and 10kV Adjustable in steps of 500V	± 5% ± 2
Insulation Resistance	800k to 500 GΩ	
Measuring Range @ 500V	800k to 25 GΩ	
1 kV	800k to 50 GΩ	
2.5 kV	800k to 125 GΩ	Voltage = 20% - 5% of nominal Value
5 kV	800k to 250 GΩ	
10 kV	800k to 500 GΩ	
Live Warning	>500V AC	
Output Power Limited	1W	
Operating temperature	0 – 40 C	
Humidity	85%	

TEST AND MEASUREMENT

INSTALLATION TESTERS

COMPLETE INSTALLATION TEST KIT FOR AS/NZ 3000



Part No. INSTALTESTKIT

The INSTALTESTKIT is a complete system for testing installations. It consists of installation tester MI3125, a resistor box and accessories packed in a rugged thermoplastic case for easy storage. The MI3125 offers testing according to AS/NZ 3000 for earth continuity, insulation resistance, polarity, fault and line loop impedance and RCD testing. It features an ingenious socket outlet polarity test using a resistor box giving a single push button Pass/Fail result without the use of trailing leads.

- IEC61010 CAT III 600V, CATIV 300V
- Multifunction 128x64 dot matrix LCD
- Backlight display
- Tests
 1. Resistance – Polarity – innovative circuit polarity test
 2. Resistance - Earth bond
 3. V Test - voltage true RMS
 4. With V Test - frequency
 5. With V Test - phase rotation
 6. Insulation resistance @ 50, 100V 250, 500 & 1000V
 7. Fault loop and line loop
 8. Loop testing without RCD tripping
 9. Prospective Short Circuit Current (PSC)
 10. RCD testing
 11. Pre-programmed testing

EA QTY 1

Compliance and Safety	IEC61010-1 CATIII 600V. CAT IV 300V
Contents	The INSTALTESTKIT comes in a compact rugged case with batteries, leads and crocodile clips & manual.
Dimensions	L330 x W260 x T160mm
Batteries	8 x 1.5V C Alkaline
Weight	3.6kg
Test leads	AL53 High Voltage test lead

Feature	Range	Accuracy
AC Voltage True RMS	0 to 550V AC 0 to 500Hz	+ 2% ± 2
Resistance (continuity)	0 to 1999 Ω	0 to 1999 Ω
INSULATION RESISTANCE		
50V, 100V, 250V	0 to 19.99 MΩ (higher readings possible)	± 5% +3
500V, 1000V	0 to 19.99 MΩ	
Insulation Test Voltage	0 to 1200 V	± 3% +3
Resistance (Low Ohms)	0 to 1999 Ω	5% of reading
Socket Test (Polarity)	0 to 1999 Ω	5% of reading
Loop Impedance @ 6.5A	0 to 99.9 Ω	± 5% + 5
PSC	0 .01 A to 32kA	Depends on Loop Measurement
RCD Test @ 0° or 180°	10, 30, 100, 300, 500, & 1000 mA	± 5%
50 to 264V AC (45 to 65 Hz)	0 to 40 ms To timeout	± 1ms
Phase rotation	Sequence 1,2,3 or 3,2,1	± 3ms

Note * - no-trip RCD loop tests R, XL values are indicative.

INSTALTESTKITB - with logging + software option

PHASE ROTATION TESTERS

PHASE AND MOTOR ROTATION INDICATOR



**CAT III
600V**

Part No. C5900

Taking the guess out of what direction the motor will turn when connecting the power. This multi purpose three phase rotation tester has an additional feature of checking motor rotation. It measures motor rotation by injecting a signal into the motor winding and when the armature is turned the direction will be indicated. In addition C5900 has a non-contact motor rotation facility for 50Hz three phase motors.

- CAT III 600V
- Compact light and easy to use
- Phase and motor rotation indicator
- Non contact phase rotation indication
- Phase live indication

EA QTY 1

Compliance and Safety	Conforms to IEC61010 CAT III 600V, CE
Contents	The C5900 is supplied in a gift box with soft pouch, test leads, crocodile clips & instruction manual.
Dimensions	L124 x W61 x T27mm
Batteries	1 x 9V 6F22
Weight	± 150g
Replacement Test Leads	AL30RYBKIT

Feature	Range
Input Voltage	100 to 600V AC
Frequency	45 to 75Hz

PHASE ROTATION TESTER (NON-CONTACT)



**CAT IV
600V**

Part No. C895

The Phase Rotation Tester (non-contact) is the latest generation phase rotation detector featuring leads with non-contact crocodile clips and is rated CAT IV 600V. The C895 is ideal for testing three phase sequence without a "live" connection. Simply clip the crocodile clip onto the conductors without removing the insulation and the phase sequence and "live" lines are indicated.

- Visual display
- Audible indications for 3 phase detection
- CATIV 600V, CAT III 1000V
- Non-contact sensor clips
- Indicates phase voltage 75V to 1000V AC
- AC frequency 45Hz to 65 Hz
- Auto-power 'off' – 5 minutes
- Test Lead Length 1.5m
- Bright LED for outdoor indication

EA QTY 1

Compliance and Safety	IEC61010-1 CATIII 1000V. EN 61326-1
Contents	Each phase rotation tester has built-in leads and is supplied in a gift box with operating instructions, soft carry bag and battery.
Dimensions	L128 x W72 x T44mm
Batteries	1 x 9 V 6F22
Weight	+ 220g
Test Range	75 to 1000V @ 45 to 65 Hz

PHASE ROTATION TESTER



**CAT III
500V**

Part No. T606

A new design compact phase rotation tester with plug-in leads and electronic circuitry. This unit gives phase and sequence indication. The leads have large crocodile clips that easily clip onto most switchboards. It will identify 3 phases, their sequence and no phase. Used to test supply when installing motors, pumps, conveyor lines, drives, etc.

- Phase and open phase indication
- Plug-in leads
- CAT III 500V
- Easy to use
- Electronic circuits
- No mechanical parts

EA QTY 1

Compliance and Safety	EN61010 CAT III 500V
Contents	The T606 comes in a gift box with soft vinyl case, crocodile clips on plug-in leads, and instruction manual.
Dimensions	L102 x W78 x T32.5mm
Batteries	None
Weight	212g with test leads
Replacement Test Leads	AL30RYBKIT

Feature	Range
Input Voltage	100 to 600V AC
Frequency	45 to 70Hz

TEST AND MEASUREMENT

PHASE AND MOTOR ROTATION TESTER



CAT III
600V

Part No. T860

A multi-purpose three phase tester that has the additional feature of checking motor rotation. When the armature is turned the phase rotation will be indicated. Ideal for determining which phase sequence when connecting a three phase motor to the supply and ensuring the correct rotation.

- Indicates motor rotation
- Phase and open phase indication
- Plug-in leads
- CAT III 500V
- Easy to use
- Electronic circuits
- No mechanical parts

EA QTY 1

Compliance and Safety	EN61010 CAT III 500V
Contents	The T860 comes in a gift box with soft vinyl case, crocodile clips on plug-in leads, and instruction manual.
Dimensions	L153 x W72 x T35mm
Batteries	1 x 9V 6F22 installed
Weight	182g with batteries
Replacement Test Leads	AL30RYBKIT

Feature	Range
Input Voltage	100 to 600V AC
Frequency	45 to 480Hz
Power Consumption Motor Rotation	±14mA
Power Consumption Phase Rotation	±7mA

PHASE ROTATION INDICATOR WITH FUSED HEADS



CAT IV
600V

Part No. T855

The T855 is suitable for line workers to check phase sequence on aerial electrical conductors. The long leads can easily reach across the phases and are fused for increased protection. The probes have pluggable crocodile clips for easy attachment to bare conductor.

- Live line indication
- Push button for motor rotation testing
- Heavy duty crocodile clips
- Test probes fused for extra protection, shrouded tips
- CAT IV 600V
- Phase sequence - clockwise rotation correct
- Long leads for overhead lines

EA QTY 1

Compliance and Safety	EN61010 CAT IV 600V, CE
Contents	The T855 comes in a gift box with soft vinyl case, crocodile clips on built-in colour coded leads, and instruction manual.
Dimensions	L134 x W85 x T45mm
Batteries	None
Weight	530g with test leads

Feature	Range
Input Voltage	200 to 600V AC
Frequency Range	50 to 60Hz
Operating Temp.	-10 to 40°C @ 80% RH
Fuses	0, 5A x 3 HRC

PHASE ROTATION TESTERS

LOOP IMPEDANCE AND PSC



Part No. T2726

The T2726 is a multifunction, electrical network analyser which automatically tests voltages, impedances, and prospective short circuit current between active, neutral and earth. It is ideal for checking, fault finding and commissioning electrical installations. It assists to locate loose connections, earth resistance, earth continuity, input voltages prospective short circuit currents, circuit impedances, etc. It is simple to use, but indicates numerous important aspects of an electrical installation. It has more uses than only testing fault loop impedance as per AS/NZS3017 and can be an essential tool for commissioning engineers, installation electricians, UPS installers and maintenance electricians.

- Straps fixed to studs on rubber boots for easy to use position during use
- Colour coded terminals
- Up right stand at rear
- Automatic test. Microprocessor controlled display
- Correct/incorrect wiring indication
- One push button activation
- Housing rugged casing with soft rubber boot

EA QTY 1

Contents	The T2726 is supplied with soft pouch, batteries, fuse, leads and crocodile clips, 10A Australian plug lead, manual, rubber holster and shoulder strap.
Dimensions	L205 x W90 x T55mm
Batteries	6 x 1.5V size AA
Weight	0.5kg with batteries
Replacement Test Leads	's TEL-EL or AL30RBGKIT.

- for overall impact protection
- Designed for testing to AS/NZS3017
- Test Sequence (microprocessor controlled):
- Voltage: L-N, L-E & N-E
- Impedance: L-N, L-E & N-E, plus transformer and line, neutral to MEN and Earth to MEN
- PSC - L-N, L-E (fault loop) & N-E
- Loop Impedance test (NST) according to AS4741

Feature	Range	Accuracy
Loops/earth wires	0.03~2000Ω Auto-ranging	±2% (0.05-50Ω) ±3% (500Ω) ±15% above 500Ω
Prospective short circuit	0~7KA @ 240VAC	
Operating voltage	50 ~ 275Vac (50Hz only)	±1% (210~250V) ±3% otherwise
Best performance(rated voltage)	240VAC	±20% Max 10A

SOCKET AND RCD TRIP TESTER

POWER POINT TESTER



Part No. TEL1TLV2

A handy low-cost unit that tests a power outlet for polarity, earth connection, incorrect wiring and tests earth leakage circuit breakers. To use the unit, simply plug in and compare the neon lights on the front panel with the diagram on the front of the instrument, and it will test the wiring on the power point.

To test an earth leakage circuit breaker, first check the wiring as above, then turn the rotary switch to the mA range. To trip the RCD press the test button.

EA QTY 1

Compliance and Safety	Sealed, with 3 pin plug. No exposed test leads. EMC Meets EN55022, CE.
Contents	Each unit comes complete on a slide blister with instructions.

- Low cost for a big result
- Very simple and easy to use
- Rugged and compact design
- Identifies six wiring conditions
- Integral plug fits straight into the socket
- Push button RCD trip test

Feature	Range
Voltage Range	230V±10%
Test Conditions	Correct, Active/Neutral Reverse Active/Earth Reverse, No Neutral Live Earth, No Earth No Active
ELCB Test	30mA Trip 10, 15, 20, 25, 30, 35mA
Quiescent Current	1.75mA

TEST AND MEASUREMENT

RCD TESTERS

RCD TESTER WITH PHASE SELECTION AND PHASE ROTATION



**CAT III
550V**

Part No. TEL11

The TEL11 is a rugged, one or three phase, RCD tester built for commercial and industrial applications. A heavy duty switch allows selection of the phase to be tested. The device shows phase presence and sequence. The leads are stored in a compartment in the lid. The TEL11 can be used on installations with voltage from 100V to 550V the system is easy to use and the menu is microprocessor controlled.

- CAT III 550V
- Operating voltage 100V to 550V line to line.
- Phase sequence or phase rotation indication
- Checks RCD trip time and trip current (sensitivity)
- Auto off
- Auto ranging
- Phase angle selection (0°C/180°C)
- Impact resistant enclosure
- Rechargeable battery (optional)

EA QTY 1

Compliance and Safety	IEC61010, CE, CATIII - 550V
Contents	The TEL11 is a rugged Polycarbonate/ABS case, with test leads, manual and battery charger.
Dimensions	L330 x W260 x T160mm
Fuse	1 X 50 mA Potential Fuse 1 X 2 A 250V Slow Blow
Batteries	8 x 1.5V C (RM) batteries
Weight	4.4kg

Feature	Range	Accuracy
Trip Current Range	0 - 999mA	1% +1mA
Trip Current Resolution	1mA ± 1mA	
Timer Max	99.999S	1%rdg 1d
Timer Resolution	1mS ± 1mS	
Voltage Reading	0-600V phase to earth	
Operating Temperature	10 to 40°C	
Humidity	80% Max Relative Humidity	

DIGITAL RCD TESTER - 240V



**CAT III
600V**

Part No. T2712EL

The T2712EL is a compact, easy to use RCD tester that is suitable for installation testing to AS/NZS3017 and AS/NZS3760. The rotary selector switch has 12 ranges to select the tripping current. It features a battery and power "on" indicating LED and indicating LEDs for the correct and incorrect wiring polarity e.g. power outlet. There is a button to select the starting angle of the fault and a Power "on/test" button. The terminals are colour coded for easy reference. This RCD tester can be used on generator circuits. The RCD tester will display the starting phase angle, the trip time and the percentage adjustment for voltage change from 240V ac.

- Coloured coded terminals
- CAT III 600V
- Microprocessor driven menu
- Incorrect wiring warning indication
- Battery and power on indicator
- Test angle selection
- Show % deviation
- Compact rugged boot for increased protection
- Displays AC frequency
- Digital display- indicates phase angle, time to trip, % adjustment for voltage and change to 240Vac
- Correct wiring indication
- On/Off power button
- Selector switch for current leakage 3 to 500mA
- Suitable to use on generators
- Designed for testing AS/NZS3017 + AS3000 + AS/NZS3760

EA QTY 1

Contents	Each T2712EL is supplied in a soft pouch with a rubber holster, shoulder strap, spare fuse, alligator clips, 10A plug leads, test leads, batteries and instruction manual.
Dimensions	L200 x W85 x T55mm
Batteries	6 x AA batteries (included)
Weight	540g

Feature	Range	Accuracy
Voltage	240V ±10%, 50Hz, 60Hz	±2% +1
Trip Settings	3/5/10/15/20/30/50/100 150/250/300/500mA	
Disconnection Time	0 - 2.999 seconds	± 2ms
Time Resolution	1mS	
Phase Start Selection	0° & 180°	
Operating Temperature	-5° to 45°C	

*Refer to CABAC website cabac.com.au for terms and conditions on warranty.

EARTH RESISTANCE TESTERS

DIGITAL EARTH RESISTANCE TESTER



**CAT III
300V**

Part No. C2302

The C2302 is a robust and well designed two and three pole earth resistance tester. It features easy to use controls and excellent display which includes an analogue bar-graph.

- Multi function LCD with bar-graph
- CATIII 300V
- Two and three pole test modes
- Test output 820 Hz \pm 3 mA
- Min/Max/Avg/Rel recording
- Data Memory
- Backlight
- Tests earth voltage

EA QTY 1

Compliance and Safety	IEC61010-1 CATIII 300V
Contents	Each C2302 comes in a gift box, soft carry bag, operating manual, batteries, test leads & two earth spikes.
Dimensions	L330× W125 × T265mm
Batteries	6 x 1.5V AA
Weight	3.45 kg

Feature	Range	Accuracy
Earth Resistance	0 - 29.99 Ω	\pm 2% \pm 6
	30 - 99.9 Ω	\pm 3% \pm 3
	100 - 999 Ω	\pm 3% \pm 3
	1k - 4k Ω	\pm 3% \pm 3
Earth Voltage	0V - 200V (50 to 60 Hz)	\pm 1% \pm 5
Test Leads Dimensions	Red = 15m; Green = 10m & Black = 5m	

DIGITAL EARTH RESISTANCE AND RESISTIVITY METER



**CAT IV
300V**

Part No. C4235

The C4235 is a tester offering four wire earth resistivity and 2, 3 and 4 wire earth resistance measurements. Up to 200 measurements can be stored in the internal memory for later recall. This is an easy to use four wire resistivity tester with all the accessories neatly packed in a light carry case.

- Multifunction LCM display
- CAT IV 300V
- Tests earth resistivity and earth resistance
- 2, 3 and 4 wire testing
- Automatic C&P spike check
- Auto-power 'off'
- Data hold
- Internal memory, records 200 readings
- Interval between auxiliary earth spikes 1 to 50 metres
- Rugged waterproof instrument case
- All items housed in an easy to carry case

EA QTY 1

Compliance and Safety	IEC61010-1 CATIV 300V IEC61577-1 IEC61557-5 EN61326-1
Contents	Each C4235 is supplied in a plastic carry case with operating manual, batteries, test leads (red 15m, black 10m & green 5m), 4 auxiliary earth spikes and a shoulder strap.
Dimensions	L250 x W190 x T110mm
Batteries	8 x 1.5V AA
Weight	1.43kg

Feature	Range	Resolution	Accuracy
Earth Resistance	0-20 Ω	0.01 Ω	
	0-200 Ω	0.1 Ω	\pm 2% \pm 3
	0-20000 Ω	1 Ω	
Earth Voltage	0V-300V (50-60Hz)		\pm 2% \pm 3
Earth Resistivity	0.06-6.28 k Ω		
	0.62-62.8 k Ω		$\rho=2\pi rLxR$
	6.28-628k k Ω		
Measuring Output	2mA/850Hz constant current output for earth resistance measurements		

TEST AND MEASUREMENT

ANALOGUE EARTH RESISTANCE TESTER



Part No. T2705

The T2705 analogue earth resistance tester is a professional instrument that measures earth resistance between the instruments earth spikes and an earth electrode of a building.

It is suitable for the testing of single earth electrodes such as lightning conductors and small earthing systems. The resistance of conductors for continuity can also be measured. The T2705 offers a two terminal option with reduced accuracy for quick indications of earth resistance. Earth resistance can be measured directly up to 1000Ω.

- Measures earth voltage up to 30V AC
- Show if auxiliary spikes are within range
- Two or three terminal measurement
- Easy to read analogue display
- Factory calibration performed with supplied leads
- Lightweight
- Robust and compact
- Battery check
- Simple push-button operation

Feature	Range	Accuracy
Earth Resistance	0-1000Ω	± 3% FS
Output	± 2 mA@820Hz	
Earth Voltage	0-30V AC 40 - 500Hz	± 2.5% FS

EA QTY 1

Compliance and Safety	IEC61010 CAT III 30V, EN61326 1997+A1 1998+A2 2001 EN55011 1998 EN61000-3-2 2000, CE
Contents	Comes in a blow- moulded box with batteries, leads with crocodile clips (red 15m, yellow 10m and green 5m), 2 earth spikes, and operating manual.
Dimensions	L205 x W90 x T55mm
Batteries	6 x 1.5V size AA
Weight	514 kg with batteries
Replacement Test Leads	AL36-RYG
Spike	TEL -1505

DIGITAL EARTH RESISTANCE TESTER



Part No. T2720

The T2720 is a professional instrument that is rugged and o-ring sealed with built-in protection for outdoor use. The instrument is suitable for testing of single earth electrodes such as lightning conductors and other small earthing systems. Continuity of conductors and conduit coupling can also be measured. There is an option to make two terminal measurements, but with reduced accuracy.

- 3 1/2 digit 1999 count LCD
- LED indication for correct electrode range
- Measures to 0.01Ω
- Auto-power 'off'
- Data hold
- Two or three terminal measurement
- Measures earth voltage to 200V
- Open loop indication
- Low battery indication
- O-ring sealed case
- Over voltage protection
- Colour coded test leads
- Crowbar protected

Feature	Range	Accuracy
Earth Resistance	0 to 19.99Ω steps of 0.01Ω 0 to 199.9Ω steps of 0.1Ω 0 to 1999Ω steps of 1Ω	2.0% ±2 or ±0.1Ω which ever is greater
Earth Voltage AC	0 to 199.9V (sine 40 to 500 Hz)	
Test Current Output	2mA @ 820 Hz	
Voltage Output	0 to 80V	

EA QTY 1

Compliance and Safety	IEC61010 CAT III 200V, EN55011 1998, EN61000-3-2 1995+A1 1998+A2 1998+A14 2000 EN61000-3-3 1995, CE.
Contents	The T2720 comes in a blow- moulded box with batteries, leads with crocodile clips (red 15m, yellow 10m, green 5m), manual, and 2 earth spikes.
Dimensions	L205 x W90 x T55mm
Batteries	6 x 1.5V size AA
Weight	572g with batteries
Replacement Test Leads	AL36-RYG
Spike	TEL-1505

EARTH RESISTANCE AND 20AC CLAMP



Part No. C2301

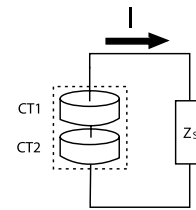
The C2301 is an instrument that measures the earth loop in an electrical network. The meter has two current transformers (CT) in the clamp i.e. one to induce a signal and the other to receive the signal. The receiving camp is extremely sensitive and can measure very low current signals.

The C2301 is capable of measuring low current values as well as current in milliamperes. The instrument is useful in measuring earth loops in telecommunications, electrical installations, cable TV systems, electrical distribution poles and transmission towers.

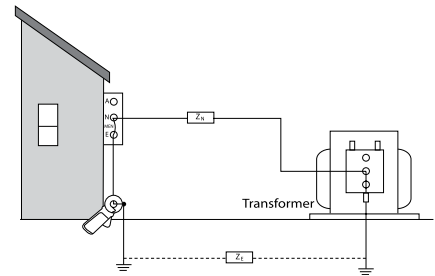
- 4 digit 9999 count LCD
- Non-contact earth resistance measurement
- No auxiliary electrodes
- Resistance values 0.01Ω to 1200Ω
- Current values 0.1A up to 20A
- Auto-power 'off'
- Logging and recall for 99 groups
- Alarm setting 1Ω to 100Ω
- Data hold
- Jaw 45 x 32mm

EA QTY 1

Compliance and Safety	IEC61010 CAT III 600V, RoHS
Contents	Parts supplied in gift box with batteries, test leads and manual.
Dimensions	L276 x W104 x T54mm
Batteries	1 x 9V 6F22
Weight	1.05 kg



How it works
CT1 induces a signal in the conductor
CT2 measures the signal & the impedance Z can be determined



Feature	Range	Resolution	Accuracy
Resistance Ω	0.01 to 0.999	0.001	±1.5% +1
	1 to 9.99	0.01	±1.5% +1
	10 to 199.9	0.1	±2% +3
	100 to 199.9	1	±3% +1
	200 to 400	5	±6% +5
	400 to 600	10	±10% +10
	600 to 1200	20	±20% +20
AC Current	100mA	0.1	±2.5% +1
	300mA	0.3	±2.5% +2
	1A	0.001	±2.5% +3
	3A	0.003	±2.5% +1
	10A	0.01	±2.5% +3
	20A	0.03	±2.5% +5

TEST AND MEASUREMENT

CIRCUIT TRACERS

CIRCUIT BREAKER FINDER



CAT II
600V

Part No. C5902

The Circuit Breaker Finder is excellent for use with "live" 10/15A power outlets. The tool consists of a hand held tracer and transmitter that plugs into a power outlet. The transmitter has an option to test polarity in the power outlet and an LED flashlight is featured in the receiver.

The receiver will identify the circuit breaker with the strongest signal (connected to the transmitter) after running its sensor three times over a line of circuit breakers.

- CATII 600V – socket, polarity tester and transmitter
- Automatic sensing
- LED flashlight on receiver
- Transmitter has built in 10A AS/NZ plug
- Visual and audible indicators
- Low battery warning
- Checks wiring in socket outlet
 1. missing earth/neutral/active
 2. active/earth reversed
 3. active neutral reversed
 4. Indicates correct polarity
 5. It cannot earth/neutral reversed

EA QTY 1

Compliance and Safety	IEC61010 CATII 600V.
Contents	Supplied in a oyster hang cell pack with backing card, installed battery, transmitter (with built in 10A AS/NZ plug) and receiver.
Dimensions	Transmitter L68 x W60 x T60mm Receiver L200 x W40 x T48mm
Batteries	Transmitter none Receiver 1 x 9V
Weight	Transmitter 60g Receiver 160g

CABLE LOCATOR AND CIRCUIT FINDER



CAT III
300V

Part No. C6818

The C6818 is a useful instrument for locating cables and circuits in concrete floors and inside walls. The instrument consists of a transmitter and receiver, both having multi function display LCDs. It features a non-contact voltage finder to assist with tracing live conductors. Cables can be detected with or without mains supply.

It is suitable for data or communication circuits and locating circuit breakers and fuses in a power circuits. Another use is locating breaks in conductors for example in under floor heating.

- CATIII 300V
- LCDs displays digital readout and bargraphs
- Three strength level options in transmitter
- Adjustable sensitivity for receiver
- Multifunction displays (LCD)
- LED flashlight on both s.
- Back Light for receiver
- Auto-power 'off'
- NCV detector

EA QTY 1

Compliance and Safety	IEC61010 CATIII 300V
Contents	Transmitter & receiver are supplied in a gift box with operating manual, soft carry bag, batteries, test leads, crocodile clips, pluggable probes and an earth spike.
Dimensions	Transmitter L190 x W89 x T42.5 mm Receiver L241.5 x W78 x T38.5 mm
Batteries	Transmitter 1 x 9V 6LR61 Receiver 6 x 1.5 AAA, IEC LR03
Weight	Transmitter 420g Receiver 350g

- Suitable for any conductor tracing
- Live circuit maximum receiver voltage 400V AC or DC
- Output signal 125kHz

RECEIVER	
Feature	Tracking Depth
Cable Tracing	Single Pole 0-2 m Dual pole 0-0.5m Single Loop Line < 2.5m
NCV Detection (UAC mode)	10 to 600V AC
TRANSMITTER	
Feature	Tracking Depth
Output Signal	125 kHz
Voltage Detection	12 to 400 V AC or DC (50 to 60 Hz) or DC

APPLIANCE TESTERS

APPLIANCE TESTING SOCKET POLARITY, RCD TRIP AND ADAPTOR



Part No. C-DEL

The C-DEL is a useful multifunctional test instrument and adaptor utilized from a 10A socket outlet. It can test wiring polarity of the outlet, RCD trip sensitivity, connect 4mm test leads to supply of the outlet and “run” test appliances for leakage current with the use of a leakage clamp.

The C-DEL is useful for testing appliances with a leakage clamp meter. An IEC mains inlet plug for 10Amp socket outlet is available for connecting appliances so that during run tests, leakage current and loads can be measured.

- 10A power outlet polarity check
- RCD trip checks with push button to activate or show non-tripped LED
- Appliance testing during run tests for leakage and load current
- Allows for Voltage measurement access to circuit
- Load measurement – clamp meter attached to red ear
- Leakage current measurement – leakage clamp meter attached to green ear
- Suitable to test appliances, RCDs and 10 A socket polarity
- IEC plug lead for power input

EA QTY 1

Contents	Each unit is supplied in a gift box with operating manual, test leads and main IEC plug cord.
Dimensions	L223 × W152 × T67mm
Batteries	none
Weight	318g
ACCESSORIES	
C2006	Leakage Clamp Meter
C2010	Leakage Clamp Meter

Feature	Range	Accuracy
Polarity Check	Wiring check 240V, 50/60Hz	
Test Conditions	Correct, Active/Neutral Reverse Active/Earth Reverse, No Neutral Live Earth, No Earth, No Active	
RCD Trip Test	Trip current as per selector switch at 240V 50/60Hz Trip settings 10, 15, 20, 25, 30 and 35 mA	5%
Appliance Testing Load	Input 240V, 10A fused, 50/60 Hz - measurements for load with clamp meter attach to red load ear.	*
Appliance Testing Leakage Current	Input 240V, 10A fused, 50/60 Hz - measurements for leakage with mA clamp meter attach to green ear.	*

BATTERY POWERED PORTABLE APPLIANCE TESTER



Part No. CABPAT

The CABPAT is a superb entry level PAT with all the basic features to fulfill requirements of AS/NZ3760 in testing most appliances. It is battery powered and features 500V insulation test, earth bond and polarity testing for class I & II appliances, power boards and power leads. This model has the facility for a “run” test for appliances indicating a pass if the leakage current is less than the specified value.

- Multifunction LCD
- Displays readings and 'pass/fail' result
- Class I & II leakage tests
- Earth continuity test
- 500V insulation test
- 250V insulation test
- Polarity test
- Battery powered

EA QTY 1

Contents	The CABPAT is supplied in a gift box with test leads, instruction manual. Soft carry case available upon request.
Dimensions	L270 × W110 × T55mm
Batteries	6 x 1.5 AA Alkaline
Weight	800g

Feature	Range	Accuracy
Earth Continuity	0.05Ω to 19.99Ω @ 9V DC ± 200mA Pass < 1Ω	± 5% ± 2
Insulation Test	0.5MΩ to 199.99 MΩ @ 500V < 2mA Pass > 1 MΩ	± 5% + 2 (output +20%, >0%)
Leakage test (run test)	Leakage current Class I <1mA and Class II <5mA	± 5% + 2
Lead Polarity Tests	Pass/Fail Result @ 5v DC in <2 seconds	
Mains Outlet Voltage	196 to 253 VAC L/N, L/E & N/E voltage check.	

*The CABPAT is suitable for testing leads, power boards and most appliances. For ease of use, a powered up or run test is included.

TEST AND MEASUREMENT

SEAWARD OPTIMA COMPLETE TEST & TAG KIT



Part No. OPTIMAKIT

The OPTIMAKIT is a complete test and tag system with Bluetooth communications and includes printer, barcode reader and software. The Seaward Optima system is battery powered, light, uses Bluetooth communications and has no interconnection cables to the printer and barcode reader. It is ideal for construction sites, industrial facilities such as factories or clean office environments.

- Multifunction LCD with backlight
- 'Pass/fail' indication
- Very lightweight and compact
- Wireless communications
- Handheld and battery powered.
- Mains supply only for "run" test
- Useful for logging risk assessments.
- RCD testing
- Data logging
- Downloading and uploading with PRO software



OPT - WT

EA QTY 1

Contents	The kit is supplied in a rugged thermoplastic waterproof case with the Seaward Primetest 300 printer, barcode scanner, instruction manual and lead accessories.
Dimensions	OPTIMA - L140× W80× T23mm Case - L465× W360× T170mm
Batteries	Optima 6 x 1.5 rechargeable batteries Printer Lithium-ion rechargeable battery Scanner 2 x 1.5V AAA
Weight	Primetest 300 –950 g excluding batteries. Printer - 907g Scanner - 50g Case - 5.5kg
Tag Roll Colours	
White	OPT-WT
Yellow	OPT-YL
Green	OPT-GR
Orange	OPT-OR
Blue	OPT-BL
Red	OPT-RED
Burgundy	OPT-BU
Clear (250 per roll)	OPT -CL
Adaptor	TPI-20A 20A 3Phase adaptor TPI-32A 32A 3Phase adaptor TNP-2032 Leakage adaptor

Feature	Range	Accuracy
Earth Continuity		
Low Ohms	0 to 19.99Ω @ +200mA AC PASS @ 1Ω, duration 2, 5, 10, 20, 30 seconds	± 5% ± 2
Insulation Test	0.01 – 40MΩ @ 500V DC (+20%,-0), 2mA, PASS@1 MΩ, duration 2, 5, 10, 20, 30 seconds	± 5% ± 2
Class I Leakage Test	0.25 to 19.99mA @ ±230 V AC +10%/-15%, 10A max, Class I = 5 mA duration 2, 5, 10, 20, 30 seconds	± 5% ± 5
Class II Leakage Test	0 to 3.50mA @ ±230 V AC +10%/-15%, Class II = 1 mA, duration 2, 5, 10, 20, 30 seconds	± 5% ± 5
Earth Loop	1.0 199Ω non trip for 30mA RCD, duration 10 sec.	± 10% ± 2
RCD Trip Time	20-2000ms @ ±230 V AC +10%/-15%, 30 mA RCD	± 2ms(0 to 40ms) ± 8ms(41 to 300ms)
Voltage	20 – 300V with frequency display 50 or 60 Hz	± 10%
Polarity Test	L/N open circuit, L/N short circuit and crossed	
RCD Test	30mA at 0 or 180 Pass < 300ms	
Data Logging	User defined inspection routines	
Printer	Thermal direct @ 203 dpi.250 tag per roll in colours	
Software	PATGuard Elite II data base for platform XP, Vista & Windows 7	

Note * - no trip RCD loop tests R, XL values are indicative.

TEMPERATURE MEASUREMENT

INFRA-RED THERMOMETER



Part No. T111

A superb pistol grip infra-red thermometer that has an adjustable emissivity from 1 down to 0.1. This can be adjusted to measure the temperature of a stainless steel tank. This is an accurate thermometer with resolution of 0.5°C in manual range or 1°C in auto range.

- 3 Digit 1999 count LCD
- Back light LCD
- Emissivity 0.1 to 1
- Celsius or Fahrenheit
- Auto hold
- Min/max
- Hi-Lo beeper
- APO 10 seconds
- Laser pointer

EA QTY 1

Compliance and Safety	CE
Contents	The T111 comes in a gift box with a battery and plastic pouch.
Dimensions	L148 x W80 x T42mm
Batteries	Standard 9V
Weight	145g

Feature	Range	Accuracy
Temperature	-30° to 550°C -22° to 1022°F	2% or ± 2°
Emissivity	0.1 to 1	
Field of View (DS)	101	
Response Time	0.25 seconds	
Laser Power	<1mW, Class II	

MINI THERMOMETER WITH NEEDLE POINT



Part No. T6201

CABAC's T6201 is a thermometer with a stainless steel needle surface probe. It has a digital read out of temperature from -50°C to +250°C.

- Measurement from -50 to +250°C
- Resolution 0.1 to 1°C
- Data hold function
- LOD display

EA QTY 1

Contents	The T6201 supplied in pen style sleeve to hold in your pocket.
Dimensions	Approx. H40 x W30 x T160mm
Batteries	3V, CR 2032
Weight	Approx. 16g

THERMOCOUPLE TO DMM ADAPTOR



Part No. TCA

A simple plug adaptor for thermocouple plugs and fits most multimeter.

- Socket space 19mm
- Shrouded banana plug
- Overall size H61 x W34 x L13mm

EA QTY 1

TEST AND MEASUREMENT

BEAD TYPE-K THERMOCOUPLE



Part No. TB01

- Type-K thermocouple wire glass insulation.
- Length 95cm
- Range -40 to 400°C
- Accuracy 1.5%

EA

QTY 1

IMMERSION PROBE TYPE-K



Part No. TP02

- Range -50° to 700°C, -58° to 1292°F
- Tolerance $\pm 2.2^{\circ}\text{C}$, $\pm 3.9^{\circ}\text{F}$

EA

QTY 1

FLAT SURFACE PROBE TYPE-K



Part No. TP03

- Range -50° to 400°C, -58° to 752°F
- Tolerance $\pm 2.2^{\circ}\text{C}$, $\pm 3.9^{\circ}\text{F}$

EA

QTY 1

PIERCING PROBE TYPE-K



Part No. TP04

- Range -50° to 800°C, -58° to 1472°F
- Tolerance 2.2°C , $\pm 3.9^{\circ}\text{F}$

EA

QTY 1

AIR PROBE TYPE-K



Part No. TP06

- Range -50° to 800°C, -58° to 1472°F
- Tolerance 2.2°C , $\pm 3.9^{\circ}\text{F}$

EA

QTY 1

CABLE TRACER TONE GENERATOR



**DEAD
CIRCUIT
TRACING**

**Do not use
on Live
Circuits**

Part No. T180

Amplifier Probe

- The Amplifier Probe is designed to identify and trace wires or cables within a group, without damaging the insulation
- Works with any tone generator to identify wires
- Volume control for increased sensitivity and adjustable to suit work environment
- Recessed 'on/off' button prevents battery drain
- Power supply is in any 9V battery with a life of approximately 100 hours
- A plug receptacle designed for head set or hand set.

Tone Generator

- Tone generator is a great tool for locating and identifying cable pairs or individual conductors
- Besides providing tone generator, also serves as a continuity and polarity tester
- Test results are displayed by a three coloured LED

EA QTY 1

Compliance and Safety	EN61326-1, EN55011 EN61000-4-2, EN61000-4-3 CE
Contents	A transmitter and receiver in a carry case supplied with a battery and operating manual.
Dimensions	Receiver L56 x W25 x T270mm Transmitter L58 x W34 x T62mm
Batteries	2 x 6F22 9V
Weight	250g /set

DATA CABLE TRACER



**Do not use
on Live
Circuits**

Part No. C183

The C183 consists of a receiver probe and tester/generator module. The C183 can trace cables, test continuity and phone lines as well other handy features as listed below.

Probe

- Pick up any tone generator
- Battery life ±100 hrs
- Headset jack in probe
- Sensitivity control
- Operating frequency 1Hz to 12kHz
- Pickup distance < 50cm

Tester

- Audible & visual indications
- Continuity and polarity
- Tone select – fast or slow
- Polarity of phone line
- Resistance of voltage free components
- Test capacitors
- Test transistors
- 'On/off' switch for TEST=PHONE functions
- Checks AC voltages max 100V
- Tone – square wave 1kHz ± 15%
- Tone generator over voltage – 80 VDC
- Phone tester
 - 1.U Test < 4.75 V
 - 2.I Test < 2 mA
 - 3.Resistance – 0 – 2 MΩ

EA QTY 1

Compliance and Safety	IEC61010 CATII 600V
Contents	The C183 consists of a probe and tester with accessories. It is supplied in a gift box with operating manual, soft carry bag, batteries and test leads.
Dimensions	Probe L260× W92× T55mm Tester L260× W92× T55mm
Batteries	Probe 6 x 1.5V AA Tester 1 x 9 V 6F22
Weight	Probe 125g Tester 320g

Not to be used on live circuits unless telephone/communications cable. Max. 110V

TEST AND MEASUREMENT

LOW RESISTANCE MEASUREMENT

MICROOHM METER 10A



Part No. MI3250

The MI3250 10A MicroOhm Meter is a very accurate portable low resistance meter using the four wire Kelvin method. It is suitable for measuring low resistances in switches, relays, connectors, cable joints, transformers, etc. It can be battery or mains powered.

- IEC 61010 CAT IV 300V
- Four wire low resistance meter
- Adjustable test current 1mA to 10A
- Auto & manual range
- High resolution measurement (24-bit Σ - Δ ADC)
- Temperature compensation
- Hi/LO limits
- Automatic thermal EMF elimination
- Four measurement modes – single, continuous, inductive and automatic
- 320 x 2400 dot matrix ICD
- RS323 serial communication
- Real time clock
- Memory 1000 storage points

EA QTY 1

Compliance and Safety	Meets IEC/EN61010-1 CAT 11 300V EMC – meets EN61326-1 CE.
Contents	The MI3250 is supplied in a gift box with instruction manual, CD with manual and software, test leads, Kelvin clamp leads and lead pouch.
Dimensions	L310 x W250 x T130mm
Batteries	6 x C size 1.2V NiMH supplied
Weight	2.8 kg

Feature	10A	1A	100mA	10mA	1mA
Test Current	10A	1A	100mA	10mA	1mA
Power Output Max	20W	2W	0.2W	20 mW	2 mW
Output Voltage	3 V dc max	1 V dc max.			
Limits	1 $\mu\Omega$ to 2 k Ω				
Resistance Measurement	0 to 200 m Ω	0 to 2 Ω	0 to 20 Ω	0 to 200 Ω	0 to 2 k Ω
Resolution	0.1 $\mu\Omega$ to 10 $\mu\Omega$	1 $\mu\Omega$ to 100 $\mu\Omega$	10 $\mu\Omega$ to 1m Ω	100 $\mu\Omega$ to 10m Ω	10m Ω to 1 Ω
Accuracy	$\pm 0.25\%$ Rdg + 0.02% FS			$\pm 1\%$ Rdg + 0.1% FS to 0.25%FS	

MILLIOHM METER



Part No. T4137

A professional instrument capable of very low resistance readings. Ideal for resistance measurements of motor windings, busbars and any electrical connection where accurate, low resistance readings are required.

- IEC61010 CAT IV 20V
- Lightweight
- Heavy duty robust carry case
- Waterproof when case closed
- 4 terminal measurement
- Large display
- Overload protection
- Auto 'off'/auto hold
- Max resolution 100 $\mu\Omega$
- Microprocessor controlled

EA QTY 1

Compliance and Safety	CE, IEC61010-1
Contents	Each T4137 comes with leads in a carry case and a shoulder strap.
Dimensions	Instrument L240 x W190 x T110mm Lead carry bag L250 x W190 x T110mm
Batteries	8 x 1.5V can use rechargeable
Weight	2.3kg
Alternative Option	230V powered version without batteries
Accessories	Spare Leads: AL34B

Resistance Range	Resistance Steps	Test Current	Accuracy
0-200.0 m Ω	100 $\mu\Omega$	100mA	1.0% \pm 2
0 - 2.000 m Ω	1m Ω	100mA	0.8% \pm 2
0 - 20.00 Ω	10m Ω	10mA	0.7% \pm 2
0 - 200.0 Ω	100m Ω	10mA	0.7% \pm 2
0 - 2000 Ω	1 Ω	1mA	0.7% \pm 2

MEDIUM AND HIGH VOLTAGE TESTING

HIGH VOLTAGE PROXIMITY DETECTOR



Part No. C277HP

The C277HP is a non-contact AC voltage detector suitable for proximity voltage & high frequency radiation detection, fault finding as well as tracing live conductors. It is simple to use with push button 'on/off' and 'low/high' selection. The instrument will continually self test, providing an audible indication periodically. When the voltage under test is above the detection threshold, the instrument will indicate with visual LEDs and increased audible tone frequency.

The C277HP must be used with acceptable safety procedures, including correct approach distances for working with medium and high voltages. The C277HP has a sunrise adaptor for attachment to telescopic and rigid "Hotsticks" used in MV and HV live line work.

- Low range from 50V to 1.5kV AC
- High range from 1.5kV to 132kV AC
- Circuit function test
- Instantaneous response time

EA QTY 1

Compliance and Safety	EMC EN61326-1-2006 Class B CISPR11.2009+A12010 Class B
Contents	Each C277HP is supplied in a gift box with operating manual, soft carry bag, batteries and test leads.
Dimensions	L318 × W75 × T71mm
Batteries	1 X 9V Alkaline 6F22Fuse 200mA
Weight	227g including battery
Also Available	
VTT-/6MB	HV Telescopic Sticks - length 7.77M fully extended
VMR-45/ LB	Hotstick - Length 3.95M in three sections

HIGH VOLTAGE PROBE FOR USE WITH A DIGITAL MULTIMETER



Part No. PD20

This high voltage probe is designed for indoor use with a digital multimeter. Safety rating for CAT III Pollution Degree 2. It comes with a grounding clip and it is intended for use with low energy circuits such as HV fences and TV sets.

EA QTY 1

Contents	The PD20 comes in a box with instruction manual.
Dimensions	L318 × W75 × T71mm
Batteries	None
Weight	508g

Feature	Range	Accuracy
Input Impedance	500 Mohms	
Attenuation Ratio	10001	
Accuracy	DCV (0-20kV)	1%
	DCV (20kV – 30kV)	2%
	ACV (0-20kV)	Typically 5% at 60Hz
Max Working Voltage	30kV DC or 20kV AC	
Cable Length	1m	

HIGH VOLTAGE PROXIMITY DETECTOR



Part No. T275HP **Part No. T275NHP**

The T275HP and T275NHP are high voltage proximity detectors. They have eight voltage detection settings from 240Vac to 275kVac. The units consists of an internal pick up sensor plate, a sensitivity selector, a visual and a sound annunciator. With the T275HP and T275NHP, physical contact with electrical conductors is not necessary when testing for live lines. This tester works by proximity.

- Sealed by "O" rings
- Nine AC settings 240V/11/22/33/66/110/132/210/275kV
- High bright LEDs visual & sound indication
- Use 3 x 1.5V "C" batteries
- High impact nylon casing
- Non-contact work by proximity
- Compatible with most link sticks
- Suitable for indoor & outdoor applications
- Detect low voltage on any systems
- Easy access to batteries
- No special parts required

EA QTY 1

Compliance and Safety	EN61000-3-2 EN61000-3-3 EN61326-1 EN55011 EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-11
Contents	The T275HP comes in a gift box with a soft vinyl case with operating manual and batteries.
Dimensions	L260 x W97.5mm
Batteries	3 x 1.5V C type
Weight	775g including batteries

Feature	Range
Voltage Range T275HP	240V/11/22/33/66/110/132/210/275kV
Voltage Range T275 NHP	3.3/6.6/11/22/33/66/110/220kV)
Operating Temp	-15°C to +55°C
Humidity	93%RH @ 40°C

TEST AND MEASUREMENT

PERSONAL VOLTAGE DETECTOR



Part No. T288

A personal voltage warning device that is worn on the outside of clothing attached to a belt or helmet.

The personal voltage detector detects voltage at various distances and is ideal for electrical workers, firemen, police, and emergency services. It indicates to the user to stay at a safe distance from live equipment.

The T288 consists of an internal pickup AC sensor plate, a test oscillator and a diagnostic circuit, an adjustable threshold comparator, buzzer alarm and LED visual indicator enclosed in a robust case. The AC sensor plate picks up the radiated electric field in volts per meter. This signal is amplified and processed and if above a threshold activates the oscillator for the buzzer and LED. The unit is always on and is powered by a 9 Volt battery which lasts about 6 months due to its low power consumption.

Some typical applications are voltage alert for electrical workers and emergency services, identifying AC live cables, tracing live wires, detecting residual or induced voltages, and finding breaks in cable. This is an excellent safety tool that can save lives and protects people from being electrocuted by High Voltage lines or equipment.

EA QTY 1

Compliance and Safety	IEC61010 for vibration, drop and impact IEC68-2-29 for Bump Test IEC68-2-1 for cold temperature IEC68-2-2 for dry heat IEC68-2-3 for damp heat, CE
Contents	Each T288 is supplied with test leads, a soft case, manual and battery.
Dimensions	L115 x W67 x T30mm
Batteries	Standard 9 V 6F22
Weight	146g with battery

- Warning of lethal voltages
- Waterproof IP65
- Easy to wear or hang on person
- High pitch sound
- Ultra bright LED indication
- Internal circuit test function
- High impact casing
- Detect AC voltage 110V plus
- Low battery indication

Line/Earth Voltage	Detection Distance
240V	5cm ±20%
5kV	2.5m ±20%
10kV	3.5m ±20%
22kV	6.25m ±20%
33kV	8m ±20%
50kV	10m ±20%
Frequency range	40 to 70 Hz

DISTANCE AND AREA MEASUREMENT

ELECTRONIC DISTANCE ESTIMATOR (ELECTRONIC TAPE MEASURE)



Part No. C6450

The C6450 measures distance to a point using a sonic signal and can calculate area and volume. It has a laser pointer to assist in acquiring a test point. Feature a memory facility to record measurements for area and volume calculation. It uses a sonic signal to measure the distance to a target and requires a clear, unobstructed path for an accurate measurement.

- Multi function LCD
- Laser pointer to target item to measure
- Two and three pole test modes
- Measure metric or imperial
- Accuracy $\pm 0.5\% \pm 1$ digit
- Aperture angle $\pm 5^\circ$
- Maximum distance 15 m

EA QTY 1

Contents	The C6450 is supplied in an oyster back with backing card including instructions.
Dimensions	L136 × W59 × T38mm
Batteries	1 × 9V 6F22
Weight	150g

ILLUMINANCE TESTER

ILLUMINANCE (LUX) METER



Part No. T630

The T630 is a dedicated, compact 3 1/2 LCD digital light-meter. Illuminance is measured in Lux (Lumen per square meter) and is the amount of luminous flux (Lumen) per area at a point. The meter has a CIE photopic spectral response that evaluates the Lux closely to the capability of the human eye. The T630 has a detachable sensor head with a 1.5m cable and a sensor cover.

- 3 1/2 digit 1999 count LCD
- Range from 0 to 200,000 Lux
- Low battery indication
- Update rate 2.5 x per second
- Resolution 0.01 Lux
- Spectral response CIE photopic
- Back light
- Max hold
- Data hold

EA QTY 1

Contents	The T630 comes in a soft pouch, with batteries and instruction manual.
Dimensions	L170 x W44 x T40mm
Batteries	4 x 1.5V AA
Weight	220g with batteries

Feature	Range
Lux Range	0 to 20, 200, 2000, 20 000, 200 000
Accuracy	±3% +10 dgt for CIE standard illuminant A (2856K) 23°C ± 5% < 70% RH
Acceptance Angle	f2 < 2% cosine corrected (150°)
Analogue Output	0.1mV/count
Battery Life	± 200 hours with standard carbon zinc batteries

SOUND TESTER

SOUND LEVEL METER



Part No. T325

A compact hand held sound level meter suitable for safety officers, inspectors or tradesmen requiring sound level measurements. Applications could be noisy machinery, noise pollution checks, air conditioning noise, etc. This is a feature packed meter with low complexity and is very easy to use. The user can select the frequency weighting i.e. A for the human ear and B for mechanical noise.

- Compact size
- Max/min recording
- 3 1/2 digit LCD with bar-graph
- AC signal output
- Low battery indication
- Fast and slow time weighting
- A and C frequency weighting
- Sampling rate 2 x per second
- 70 hours battery life
- Bar-graph display
- Over range indicator
- 1 1/4" Microphone ECM

EA QTY 1

Compliance and Safety	Meets IEC/EN61010-1 CAT 111 300V EMC – meets EN61326-1 CE.
Contents	The T325 comes in a hard cover case with batteries, operating manual, calibration screwdriver, and spare sponge microphone windshield.
Dimensions	L240 x W62 x T39mm
Batteries	Standard 9V 6F22
Weight	224g

Feature	Range	Accuracy
Sound	Lo 32dB to 80dB Med 50dB to 100dB Hi 80dB to 130dB	1.5dB (@94dB of 1kHz, @ straight direction) Resolution 0.1dB
Detector Indicator	Fast 125ms	
Characteristic	Slow 1000ms	
Analogue output	AC 1 Vrms FS for each range. Zout = 100Ω	
Reference Sound	94dB at 1kHz	
Microphone	1 1/4" ECM	

TEST AND MEASUREMENT

NATURAL GAS DETECTOR

NATURAL GAS DETECTORS



Part No. GK401

The gas detector will sound an alarm, after a period of 30 seconds, if a presence of LPG or natural gas reaches and stays at 10%. The GK401 can be compared to a smoke detector, but detects natural gas and is installed in a similar way. The natural gas detector is installed 300mm below the ceiling. See the manual for further reference.

- Safety device to detect flammable gas.
- Detects leaks from a gas appliance e.g. stove, water heater.
- Installed in a fixed in position near a point of risk as per gas type.
- 230 V mains supply for building and 12 V for caravans, leisure marine, etc.
- Supplied with a 230 V plug for DIY installation.
- Can be hard wired by a licensed electrician
- Extra NC/NO contacts available for external control.

EA QTY 1

The objective is to warn of a dangerous presence of flammable gas before an explosion can occur or someone is injured or dies of asphyxiation.

Gas related accidents occur on a regular basis and there is potential for a gas detector to become a standard household and work place item.

Gas is a greener energy source than other fossil fuels and its use can be expected to grow especially as electricity is due for a major price increase. The GK401 is installed in the vicinity of gas appliances and outlets.

THERMAL IMAGING

IMAGING INFRA RED THERMOMETER



Part No. TG165

The FLIR TG165 imaging IR thermometer bridges the gap between single spot infrared thermometers and FLIR's legendary thermal cameras. Equipped with FLIR's exclusive Lepton® micro thermal sensor, the TG165 lets you see the heat so you know where to reliably measure it. Easily find unseen hot and cold spots for instant troubleshooting, and store images and data to show customers and include in reports.

EA QTY 1

- Instantly shows what's hot and where to aim
- Eliminates blind guesswork
- 241 spot size ratio for safer distance measuring
- Works in seconds
- Intuitive to operate with no special training required
- Easily save images and data for documentation
- Download images fast over USB or from removable micro SD
- Rugged and reliable
- Designed for the harshest environments
- Built to withstand a 2 meter drop
- Covered by FLIR's exclusive 2-10 warranty
- Compact and durable to easily stow in a crowded tool bag

COMPACT THERMAL CAMERA 80X60 PIXELS WITH MSX



Part No. C2

The FLIR C2 is the world's first full-featured, pocket-sized thermal camera designed for building industry experts and contractors. Keep it on you so you're ready anytime to find hidden heat patterns that signal energy waste, structural defects, plumbing issues and more. The C2's must-have features include MSX® real time image enhancement, high sensitivity, a wide field of view, and fully radiometric imagery to clearly show where problems are and verify the completion of repairs.

EA QTY 1

System includes;

- Infrared camera
 - Battery (inside camera)
 - Lanyard
 - Power supply/charger with EU, UK, US, CN and Australian plugs
 - Printed 'Getting Started Guide'
 - USB memory stick with documentation
 - USB cable
- Light, slim profile fits comfortably in any work pocket
 - Brilliant 3 inch intuitive touch screen with auto orientation for easy viewing
 - Built-in LED spotlight you can use as a flashlight and for photo illumination
 - MSX-enhanced thermal images provide stunning detail to help you identify problem areas easier
 - Radiometric image stores 4800 pixels capable of capturing thermal measurements from -10°C to 150°C
 - A wide FOV frames what pros need to see and high thermal sensitivity detects subtle temperature differences common in building applications

COMPACT THERMAL CAMERA 80X60 PIXELS WITH MSX & WIFI



Part No. C3

The FLIR C3 is a full-featured, pocket-sized thermal camera designed to be your go-to tool, whether your work is building inspections, facilities maintenance, HVAC, or electrical repair. Keep it on you so you're ready anytime to find hot fuses, cold air leaks, plumbing issues, and more. The C3's must-have features include MSX® real time image enhancement, area maximum or minimum temperature measurement, and Wi-Fi connectivity – so you can quickly get to the job of finding hidden problems, sharing images, and documenting repairs.

EA QTY 1

Contents	Infrared camera, lanyard, pouch, power supply/charger, tripod mount, USB cable, printed documentation
Dimensions	L 125 x W80 x T24mm (4.9 x 3.1 x 0.94 in)
Batteries	Rechargeable Li-ion polymer battery
Weight	0.13 kg (0.29 lbs)

Overview	
IR Sensor	80 × 60
Thermal Sensitivity/NETD	<0.10°C
Field of View (FOV)	41° x 31°
Minimum Focus Distance	Thermal 0.15 m (0.49 ft) MSX® 1 m (3.3 ft)
Image Frequency	9 Hz
Focus	Focus free
Spectral Range	7.5 - 14.0 μm
Digital Camera	640 x 480 pixel
Digital Camera Focus	Fixed focus
Image Presentation	
Image Modes	Thermal, visual, MSX®, Picture-in-Picture
Image Gallery	Yes
MSX®	Adds visual details to full resolution thermal image
Color Palettes	Iron, Rainbow, Rainbow HC, Gray
Auto Orientation	Yes
Touch Screen	Yes, capacitive
Image Storage & Streaming	
Object temperature range	Internal memory, at least 500 sets of images
Accuracy	Standard JPEG with 14-bit measurement data included
Spotmeter; area	Yes
Emissivity table/correction	Yes
Measurement & Analysis	
Display	-10°C to 150°C (14°F to 302°F)
Image modes	±2°C (±3.6°F) or ±2%, whichever is greater, at 25°C (77°F) nominal
Multi Spectral Dynamic Imaging (MSX)	On/Off
Picture in Picture	Box with max. or min.
Color palettes	Yes; matte/semi-matte/semi-glossy + custom value
Digital camera resolution/FOV	Emissivity, Reflected apparent temperature

Slim and sturdy enough to keep in your pocket, but with the advanced features you need to find potential problems, confirm repairs, and share the evidence with your client or boss.

- Light, slim profile fits comfortably in any work pocket
- Brilliant 3" intuitive touch screen with auto orientation for easy viewing
- Wi-Fi enabled for instant peer-to-peer image sharing
- Area measurement box measures hottest or coldest spot (maximum/minimum)

Save thermal image JPEGs instantly, then conveniently adjust and analyze them later with FLIR Tools to isolate temperature measurements on any pixel and create convincing reports.

- MSX®-enhanced thermal images provide stunning detail to help you identify problem areas easier
- Radiometric image stores 4800 pixels capable of capturing thermal measurements from -10°C to 150°C (14°F to 302°F)
- High thermal sensitivity detects subtle temperature differences common in building applications

Affordable MSRP helps get this powerful tool into the hands of the people who can use it every day.

- FLIR Tools professional reporting software included – the industry standard in thermal image post analysis
- Streaming video via FLIR Tools, a feature not usually available on low-cost thermal camera systems
- FLIR's unique 2-10 warranty, covering parts and labor for two years and the detector for ten

Communication & Connectivity

Communication Interfaces	Wi-Fi, USB
Wi-Fi	Peer-to-peer (ad hoc) or infrastructure (network)
USB 2.0	USB Micro-B connector type data transfer to and from PC

Additional Information

Battery Operating Time	2 hours
Charging System	Charged inside camera
Charging Time	1.5 hours
External Power Operation	AC adapter, 90-260 VAC input - 5 V output to camera
Operating Temperature Range	-10°C to 50°C (14°F to 122°F)
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)

TEST AND MEASUREMENT

EX SERIES - POINT-AND-SHOOT THERMAL IMAGING CAMERAS



Part No. E4
Part No. E5

Part No. E6
Part No. E8

FLIR E4, E5, E6, and E8 infrared cameras are powerful and extremely cost-effective, easy-to-use troubleshooting tools for building, electrical, and mechanical applications. Four resolution options are available (ranging from 80 x 60 IR pixels to 320 x 240) to fit the target size, working distance, and detail you require. All include MSX® technology that provides extraordinary thermal imaging detail.

Wi-Fi connectivity to smart phones and tablets via the FLIR Tools Mobile app makes sharing images and sending reports from any location easier, enabling you to make critical decisions faster. By providing thermal images to help you find hidden problems along with accurate temperature measurements, an Ex-Series camera is the ideal budget-friendly replacement for old-school IR thermometers.

Built for portability and use in harsh environments

- Lightweight (1.2 lb / .0575kg) and withstands 2-metre drop test
- Accessory belt pouch included for convenience on-the-go
- 2-year warranty coverage on camera, 5 years on batteries, 10 years on detector

Download images, create reports, and show what you've found instantly

- Wi-Fi connectivity to mobile devices via FLIR Tools Mobile app
- Rapid Wi-Fi or USB image transfer for documentation
- Analyse and edit images, and create convincing reports with FLIR Tools

Intuitive, user-friendly interface for measurements in thermal or MSX mode

- Fully automatic and focus-free
- Simple button navigation to on-screen settings, imaging modes, and measurement tools
- MSX adds digital camera detail to IR images for better perspective and interpretation

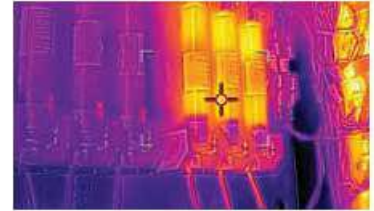
EA QTY 1

Batteries

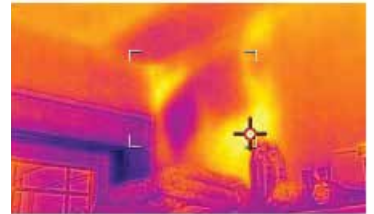
Rechargeable 3.6 V Li ion battery; approx. 4 hours typical use

Camera weight, incl. battery

0.575 kg (1.27 lb.)*



MSX shows you numbers, labels and structural features, eliminating the need to look at a visual image for detail



See temperature patterns showing insulation voids and other building issues

Overview	E4	E5	E6	E8
IR resolution	80 × 60 pixels	120 × 90 pixels	160 × 120 pixels	320 × 240 pixels
Thermal sensitivity/NETD	<0.15°C (0.27°F) / <150 mK	K <0.10°C (0.27°F) / <100 mK	<0.06°C (0.11°F) / <60 mK	
Image adjustment	Automatic adjust/lock image		Automatic/Manual	

Common Features	
Field of view (FOV)	45° × 34°
Minimum focus distance	0.5 m (1.6 ft.)
Image frequency	9 Hz
Focus	Focus free
Wi-Fi	Peer-to-peer or network
Detector Type	Uncooled micro-bolometer

Measurement Features	
Object temperature range	-20°C to +250°C (-4°F to +482°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading, for ambient temperature 10°C to 35°C (+50°F to 95°F) and object temperature above +0°C (+32°F)
Spotmeter; area	Center spot; box with min./max
Emissivity table/correction	Emissivity table of predefined materials/variable from 0.1 to 1.0

Image Presentation and Modes	
Display	3.0 in. 320 × 240 color LCD
Image modes	Thermal MSX®, thermal, picture-in-picture, thermal blending, digital camera
Multi Spectral Dynamic Imaging (MSX)	IR image enhanced with visible camera detail
Picture in Picture	IR area on visual image
Colour palettes	Black & white, iron, and rainbow
Digital camera resolution/FOV	640 × 480/55° × 43°

Additional Data	
File formats	Standard JPEG, 14-bit measurement data included
Interfaces	USB Micro Data transfer to and from PC and Mac device
Encapsulation/drop	IP 54 (IEC 60529)/2m (6.6 ft.)



Wireless Connectivity to Smartphones, Tablets and more.



TEST AND MEASUREMENT

EXX-SERIES - E75, E85, E95



Part No. E75 Part No. E85 Part No. E95

FLIR E75, E85, and E95 cameras offer the superior resolution and range performance needed to quickly identify hot spots and discover potential points of failure in electrical distribution and mechanical systems. With up to 161,472 pixel resolution and a larger, more vibrant LCD screen than any other pistol-grip thermal camera, the Exx-Series makes it easier than ever to diagnose problems – even at a distance. Avoid costly shutdowns and lost production time through regular predictive maintenance routines with these rugged, intuitive cameras.

- The Exx-Series improves plant safety by helping you diagnose
- 320 x 240 – 464 x 348 true native resolution
 - Laser-assisted autofocus
 - Wide temperature ranges, up to 1500°C
 - Vibrant, 4" optically-bonded PCAP touchscreen with 160° viewing angle
 - Wi-Fi, METERLiNK® connectivity
 - Streamlined reporting features
 - FLIR's industry-leading 2-5-10 warranty
 - Improve plant reliability
 - Increase plant safety
 - Designed to make your work easier

EA QTY 1

Contents	<ul style="list-style-type: none"> • Infrared camera with lens • Battery (2 ea) Battery charger with power supply • Front lens and light protection • Straps (hand and wrist) • Lanyards, lens caps (front and rear) • Lens cleaning cloth • 15 W3 A power supply, printed documentation, 8 GB SD card • Torx screwdriver, cables (USB 2.0 A to USB Type-C, USB Type-C to HDMI, USB Type-C to USB Type-C)
Dimensions no lens	27.8 x 11.6 x 11.3cm (11.0 x 4.6 x 4.4 in)
Batteries	Li-ion battery, charged in camera or on separate charger
Weight	1kg (2.2lbs)

Features by Camera	E75	E85	E95
IR Resolution	320 x 240 (76,800 pixels)	384 x 288 (110,592 pixels)	464 x 348 (161,472 pixels)
Object Temperature Range	-20°C to 120°C (-4°F to 248°F) 0°C to 650°C (32°F to 1200°F) Optional 300°C to 1000°C (572°F to 1830°F)	-20°C to 120°C (-4°F to 248°F) 0°C to 650°C (32°F to 1200°F) 300°C to 1200°C (572°F to 2192°F)	-20°C to 120°C (-4°F to 248°F) 0°C to 650°C (32°F to 1200°F) 300°C to 1500°C (572°F to 2732°F)
TIME-LAPSE (Infrared)	No	No	10 sec to 24 hours
Area Measurement INFORMATION	No	Yes	Yes
Spot-meter	1 in live mode	3 in live mode	3 in live mode
Area	No	3 in live mode	3 in live mode
PIXELS	320x240 with 24" lens	384x288 with 24" lens	464x348 with 24" lens

Common Features	
Detector type pitch	Uncooled micro-bolometer, 17µm
Thermal Sensitivity/netd	< 0.03°C @ 30°C (86°F)
spectral range	7.5 - 14.0µm
Image frequency	30Hz
Field of View (FOV)	42° x 32° (10mm lens), 24° x 18° (17mm), 14° x 10° (29 mm lens)
F-number	f/1.3, 3/1.1
Lens Identification	Camera automatically identifies optional lenses without a factory calibration
Focus	Continuous, one shot laser distance meter (LDM), one-shot contrast, manual
Digital zoom	1-4x continuous

Image Storage, Video Recording & Streaming	
Storage Media	Removable SD card (8GB)
Image File Format	Standard radiometric JPEG, measurement data included
Radiometric IR video recording	Real-time radiometric recording (.csq)
Non-radiometric IR or Visual Video	H.264 to memory card
Radiometric IR video streaming	Yes, over UVC or Wi-Fi
Non-radiometric IR video streaming	H.264 or MPEG-4 over Wi-Fi. MJPEG over UVC or Wi-Fi
Communication Interfaces	USB 2.0, Bluetooth, Wi-Fi
Video Out	USB 2.0, Bluetooth, Wi-Fi

Measurement & Analysis	
Accuracy	±2°C (±3.6°F) or ± 2% of reading for ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
Alarms	Moisture alarm, insulation alarm, measurement alarms
Colour Alarm (Isotherm)	Above/below/interval/condensation/insulation
Laser Distance Measurement	Yes, on-screen
Measurement Presets	No measurement, center spot, hot spot, cold spot, User Preset 1, User Preset 2
Compass, GPS	Yes; automatic GPS image tagging
Meterlink®	Yes; several readings
Available Accessories	
	Optional Extras
T199590	42" Lens with case
T199588	14" lens with case

Image Presentation & Modes	
Display	4", 640 x 480 pixel touch-screen LCD with auto-rotation
Digital cameras	5MP, 53° x 41 FOV
Colour palettes	Iron, Gay, Rainbow, Arctic, Lava, Rainbow HC
Image modes	Infrared, visual, MSX®, Picture-in-Picture
PICTURE-IN-PICTURE	Resizeable and moveable
MSX®	Embosses visual details on full resolution thermal image
ULTRAMAX®	Super-resolution process quadruples pixel count, activated in FLIT Tools +
Additional Data	
Battery Operating Time	Approx. 2.5 hours at 25°C (77°F) ambient temperature and typical use
Operating Temperature Range	-15°C to 50°C (5°F to 122°F)
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)
Shock/Vibration/ Encapsulation Safety	25g / IEC 60065-2-27, 2g / IEC 60068-2-6, IP 54 / IEC 60529; EN/UL/CSA/PSE 60950-1

TEST AND MEASUREMENT

FLIR INFRA RED (IR) WINDOW



Part No. IRW2

Part No. IRW4

EA

QTY 1

Part No. IRW3

Opening electrical cabinets to perform IR and visual inspections of live components is dangerous work, exposing you to the risk of a hazardous arc flash incident. Out of necessity, it's also a painstaking, time-consuming process. Now you can put the added safety of new FLIR IR Windows between you and energised equipment to better protect yourself and eliminate the need for opening enclosures.

Three new FLIR IR windows are available for sale to switchboard manufacturers and industrial sites. IR windows are used to allow visual and infra red testing options in switchboards so that infra red temperature tests can be conducted without opening panels in the equipment and exposing dangerous electrical components such as busbars.

- Easy to install - FLIR IR Windows install quickly and securely using CABAC SKP-15 Punch dies PD60.5 (2"), PD88.9 (3"), PD115.5 (4")
- PIRma-Lock™ Reliability - Tried and true locknut technology makes FLIR's locking ring an IR window first
- Quick access hinged cover - Simple thumb screw releases the permanently-hinged IR window cover
- Label on cover - for identification and camera adjustment information
- Broadband Crystal IR Window - Lens encased in rugged, anodised aluminium frame allows indoor & outdoor scans
- Greater productivity and ROI - Significantly reduces inspection time for more efficient assessments within NFPA 70E guidelines
- IR windows allows scanning without exposing dangerous "live" equipment
- FLIR integrity- comprehensive testing. Meets KEMA, UL and TUV standards and ratings. Withstands arcs, vibration and humidity. Test reports available on request.

General Specifications	FLIR IR Window 2" IRW-2C	FLIR IR Window 3" IRW-3C	FLIR IR Window 4" IRW-4C
Maximum Operating Temperature	260°C	260°C	260°C
Overall Height	85.5mm	107.4mm	136.5mm
Overall Width	73mm	99mm	127mm
Overall Thickness	25.5mm	26.86mm	29.25mm
Punch for SPK15	PD60.5	PD88.9	PD115.5
Recommended Max Panel Thickness	3.2mm	3.2mm	3.2mm
Optic Diameter	50mm	75mm	95mm
Viewing Aperture Diameter	45mm	69mm	89mm

Rating & Testing	IRW-2C	IRW-3C	IRW-4C
UL Component Recognition (UL 50V)	Yes		
UL 50 / NEMA Environment Rating	Type 4/12		
Arc Flash Testing, IEC 62271-200 (KEMA)	5kV, 63kA for 30 Cycles at 60Hz		
IP Rating, IEC 60529 (TUV)	IP67		
Vibration Testing, IEC 60068-2-6 (TUV)	100 m/s ² Vibration Withstand		
Humidity Testing, IEC 60068-2-3 (TUV)	Extreme Humidity Withstand		
Mechanical Testing, ANSI/IEEE C37.20.2 section A3.6 (TUV)	Impact and Load Resistant Cover		
Maximum Pullout Strength	657 kg	1655 kg	1678 kg

Ordering Information			
	Description	Panel Hole	SKP-15 Punch Die
IRW2	FLIR Infra Red Window 2 inch	60.5mm (2 3/8")	PD60.5
IRW3	FLIR Infra Red Window 3 inch	88.9mm (3 1/2")	PD88.9
IRW4	FLIR Infra Red Window 4 inch	115.5mm (4 1/2")	PD115.5

Please note Special order item. Lead time approx. 2-3 weeks.

KITS

WATERPROOF CASES



Part No. WIC465

Part No. WIC575

Part No. WICKIT1

Part No. WICKIT2

Part No. WICKIT3

Part No. WICF465

Part No. WICF575

Part No. WICTOI

EA

QTY 1

- Airtight, waterproof, crushproof and dustproof
 - High impact thermoplastic moulded
 - Heavy duty use
 - Suitable for use as a brief case or tool box
- Available with serrated foam filled or foam and tool pouches

	Description	Dimensions
WIC465	Waterproof Instrument Case (empty)	465x360x170mm
WIC575	Waterproof Instrument Case (empty)	575x420x210mm
WICKIT1	Waterproof Instrument Case complete with Serrated Foam Filled Insert	465x360x170mm
WICKIT2	Waterproof Instrument Case complete with Serrated Foam Filled Insert & Tool Pouch Insert	465x360x170mm
WICKIT3	Waterproof Instrument Case complete with Serrated Foam Filled Insert	575x420x210mm
WICF465	Waterproof Case Foam Insert	465mm
WICF575	Waterproof Case Foam Insert Tool Pouch Insert	575mm
WICTOI	Tool Pouch Insert for WIC465 + WICKIT1	

TEST KIT 1 & TEST KIT 2



Part No. TESTKIT1

Standard Meter Kit Components

- C3121
- BM821 DMM
- TBM116 Clamp
- T2732 Ins. Tester
- WICKIT1 Case
- Components of test kits are subject to change due to availability

Part No. TESTKIT2

Standard Meter Kit True RMS DMM & Clamp Components

- T7107A volt finger
- BM822 DMM, TBM116 clamp
- T2732 Insulated tester
- WICKIT1 case
- Components of test kits are subject to change due to availability

EA

QTY 1

TESTKIT 3



Part No. TESTKIT3

Complete Data Logging DMM with Current Clamp Adaptor

Components

- BM525 DMM logger
- BU-86X USB cable
- T202 clamp adaptor
- WICKIT1 case

EA

QTY 1

*Refer to CABAC website cabac.com.au for terms and conditions on warranty.

TEST AND MEASUREMENT

TESTKITA



Part No. TESTKITA

EA QTY 1

Electricians tool set with basic test equipment

Components

- T7107A NCV detector
- TEL1TLV2 socket tester
- BM251 DMM
- BM111M 600A AC clamp
- EP220 electrical pliers
- HVSDK5 screw driver set
- HVSC200B long nose pliers
- KUS4 wire stripper
- KUS800 electrical knife
- KLP250 locking pliers
- KAP250 adjustable pliers
- HVLNP205B
- KAW200 adjustable wrench
- KT10M measuring tape
- WICKIT2 case

METER KIT CATIV



Part No. METERKITCATIV

EA QTY 1

Components

- BM822 DMM True RMS
- T9005 600A AC/DC clamp
- BT-73EU LCD voltage tester
- T7107A voltage detector CATIV 1000V
- T855 Phase Rotation Tester - Fused and WICKIT3 case
- All items rated CATIV 600 or 1000

Compliance & Safety AS/NZS61010 CAT IV

*Refer to CABAC website cabac.com.au for terms and conditions on warranty.

POWER MONITORING

POWER-MATE™ 10A



Part No. PM10A

EA QTY 1

Reduce your energy and carbon footprint with the exceptionally accurate portable POWER-MATE™ energy use meter. Receive immediate, accurate feedback to identify energy wasting appliances and put strategies in place that will reduce your energy consumption without having to wait until the next, costly, electricity bill comes in. Identify which appliances need protection from dangerous power surges, as it can display the maximum and minimum voltages recorded whilst in use. You can then instantly view those results to tell you what the appliance costs you to run per hour, quarter or year. No need to program the POWER-MATE™ every time you use it. For your convenience the settings and readings are stored internally when turned off. No batteries required.

- Suitable for small offices and businesses
- Designed for the energy use professional, energy auditors, contractors and installers
- The worlds most accurate, portable energy use meter
- Displays power use in watts, dollars, carbon
- Instantly displays power use over day, month, year
- Flying leads allows use in difficult locations
- Accurately measure very low energy (0.01W)

Feature	Power-Mate™	Clipsal EZ-Audit
Apparent Power Display	Yes	No
Reactive Power Display	Yes	No
Retains Data after power failure	Yes	±3.0%
Measures Power down to	10mW	100mW
Displays Energy down to	10mWH	100mWH
Warranty Standard ** (TBCwSF)	2 Yrs	1Yr

Also Available	Description
PM15A	POWER-MATE™ 15A
PM10AHD	POWER-MATE™ 10A HEAVY-DUTY POWER METER
PM10AHDS	POWER-MATE™ 10A POWER METER SERIAL
PM10P	POWER-MATE™ Pouch

TEST AND MEASUREMENT

POWER-MATE™ 15A



Part No. PM15A

Reduce your energy and carbon footprint with the exceptionally accurate portable POWER-MATE™ energy use meter. Receive immediate, accurate feedback to identify energy wasting appliances and put strategies in place that will reduce your energy consumption without having to wait until the next, costly, electricity bill comes in. Identify which appliances need protection from dangerous power surges, as it can display the maximum and minimum voltages recorded whilst in use. Instantly view the results to tell you what the appliance costs you to run per hour, quarter or year. No need to program the POWER-MATE™ every time you use it, as for your convenience the settings and readings are stored internally when turned off. No batteries required. POWER-MATE™ 15A may be used at offices, businesses and industrial premises.

EA QTY 1

- The worlds most accurate, portable energy use meter
- Displays power use in watts, dollars, carbon
- Instantly displays power use over day, month, year
- Flying leads allows use in difficult locations
- Accurately measure very low energy (0.01W)
- Accurately measure sustained energy use in 15A applications e.g ovens, water pumps, air conditioners, computer server rooms and electrical motors where the current is up to 15A constantly
- Measure inrush currents of electrical items like electrical motors and water pumps where the inrush currents can exceed 15A

Also Available	Description
PM10A	POWER-MATE™ 10AHD
PM10AHD	POWER-MATE™ 10A HEAVY-DUTY POWER METER
PM10AHDS	POWER-MATE™ 10A POWER METER SERIAL
PM10P	POWER-MATE™ Pouch

POWER-MATE™ 10A HEAVY-DUTY POWER METER



Part No. PM10AHD

Reduce your energy and carbon footprint with the exceptionally accurate portable POWER-MATE™ energy use meter. Receive immediate, accurate feedback to identify energy wasting appliances and put strategies in place that will reduce your energy consumption without having to wait until the next, costly, electricity bill comes in. Identify which appliances need protection from dangerous power surges, as it can display the maximum and minimum voltages recorded whilst in use. You can then instantly view those results to tell you what the appliance costs you to run per hour, quarter or year. No need to program the POWER-MATE™ every time you use it. For your convenience the settings and readings are stored internally when turned off. No batteries required.

EA QTY 1

- For use in offices and businesses
- Measure short term currents of up to 15A, allowing you to view inrush currents found in items such as pool pumps and electrical motors
- The worlds most accurate, portable energy use meter
- Displays power use in watts, dollars, carbon
- Instantly displays power use over day, month, year
- Flying leads allows use in difficult locations
- Accurately measure very low energy (0.01W)

Also Available	Description
PM10A	POWER-MATE™ 10AHD
PM15A	Heavy-Duty POWER-MATE™ 15A
PM10AHDS	POWER-MATE™ 10A POWER METER SERIAL
PM10P	POWER-MATE™ Pouch

POWER-MATE™ 10A POWER METER SERIAL PORT



Part No. PM10AHDS

Reduce your energy and carbon footprint with the exceptionally accurate portable POWER-MATE™ energy use meter. Receive immediate, accurate feedback to identify energy wasting appliances and put strategies in place that will reduce your energy consumption without having to wait until the next, costly, electricity bill comes in. Identify which appliances need protection from dangerous power surges, as it can display the maximum and minimum voltages recorded whilst in use. Instantly view the results to tell you what the appliance costs you to run per hour, quarter or year. No need to program the POWER-MATE™ every time you use it. For your convenience the settings and readings are stored internally when turned off. No batteries required. Use your computer and our POWER-MATE™ software to log power use on the computer for further analysis (available on PM10AHDS only).

EA QTY 1

- For use in offices and businesses
- Built in serial (RS-232) output - log power use on your computer for further analysis
- The worlds most accurate, portable energy use meter
- Displays power use in watts, dollars, carbon
- Instantly displays power use over day, month, year
- Flying leads allows use in difficult locations
- Accurately measure very low energy (0.01W)

Also Available	Description
PM10A	POWER-MATE™ 10AHD
PM15A	Heavy-Duty POWER-MATE™ 15A
PM10AHD	POWER-MATE™ 10A HEAVY-DUTY POWER METER
PM10P	POWER-MATE™ Pouch

POWER-MATE™ POUCH



Part No. PM10P

A convenient cover for your POWER-MATE™ - suitable for all models. Reduce your energy and carbon footprint with the exceptionally accurate portable POWER-MATE™ energy use meter.

Receive immediate, accurate feedback to identify energy wasting appliances and put strategies in place that will reduce your energy consumption without having to wait until the next, costly, electricity bill comes in. Identify which appliances need protection from dangerous power surges, as it can display the maximum and minimum voltages recorded whilst in use. You can then instantly view those results to tell you what the appliance costs you to run per hour, quarter or year.

No need to program the POWER-MATE™ every time you use it, for your convenience the settings and readings are stored internally when turned off. No batteries required.

EA QTY 1

- The worlds most accurate, portable energy use meter
- Displays power use in watts, dollars, carbon
- Instantly displays power use over day, month, year
- Flying leads allows use in difficult locations
- Accurately measure very low energy (0.5W)

Also Available	Description
PM10A	POWER-MATE™ 10AHD
PM15A	Heavy-Duty POWER-MATE™ 15A
PM10AHD	POWER-MATE™ 10A HEAVY-DUTY POWER METER
PM10AHDS	POWER-MATE™ 10A POWER METER SERIAL

TEST AND MEASUREMENT

POWER-MATE™ PRO THREE PHASE PROFESSIONAL ENERGY AUDITING, MONITORING AND LOGGING DEVICE



Part No. PMPRO-20A

The Power-Mate™ Pro is a professional, high accuracy energy monitoring instrument with many features including programmable start/stop/logging times, energy in real time and kWh accumulated, cost, greenhouse gas, voltage, current and power factor. Simply plugs in line between the three phase equipment and the source socket. The PMPRO-20A can measure energy consumption for most three phase powered devices with a 20A connector used in industrial environments.

It consists of two main components i.e. a hand held display and the base that is connected to an outlet and the equipment to be monitored. This is an ideal instrument for the energy auditor wishing to monitor energy consumption of three phase powered devices.

- Base and a display
- Monitors electrical energy consumption and calculates costs and greenhouse gas emissions
- Easy to use and connect via three phase 32A connectors
- Compact and robust
- Colour Graphic LCD touch screen
- Ethernet connection for remote monitoring
- 80Vac to 500Vac
- True-RMS AC measurement
- Removable SD card for monitoring and logging
- Simple intuitive graphical user interface
- Records min/max for V, A, W, kWh for real, active, reactive and apparent power

EA QTY 1

Compliance and Safety	AS3100-2009, IEC61000-4-2 IEC61000-4-4 IEC61000-4-6 IEC61326-1
Contents	Parts supplied e.g. gift box, base, display, operating manual, built-in leads with plugs 32A 3 x L,N & E.
Dimensions	Base L300 x W160 x T58mm Display W158 x W97 x T32mm
Batteries	Mains and internal rechargeable battery
Weight	2.2kg

Feature	Range		Accuracy
Energy	MAX	274MWh	
	MIN.	0.001Wh	<1%
	MAX. RUN TIME	497DAYS	
Active Power	MAX. TOTAL	23kW	<1%
	PHASE	7.68kW	<0.33%
	MIN. TOTAL	0.06W	<1%
	PHASE	0.02W	<0.33%
Reactive Power	MAX. TOTAL	23kVAr	
	PHASE	7.68kVAr	<1%
	MIN. TOTAL	1VAr	
	PHASE	1VAr	
Apparent Power	MAX. TOTAL	23kVA	
	PHASE	7.68kVA	<1%
	MIN. TOTAL	1VA	
	PHASE	1VA	
Phase Voltage	MAX	500V AC	
	MIN.	80V AC	<0.5% (60-300V)
Line Current	MAX	20A	<0.5% (500mA-20A)
	MIN.	30mA	<1% (50mA-500mA)
Power Factor	MAX	1.00	<1% (TOTAL)
	MIN.	-1.00	<0.5% (PHASE)

POWER-MATE™ PRO THREE PHASE PROFESSIONAL ENERGY AUDITING, MONITORING AND LOGGING DEVICE



Part No. PMPRO-32A

The Power-Mate™ Pro is a professional, high accuracy energy monitoring instrument with many features including programmable start/stop/logging times, energy in real time and kWh accumulated, cost, greenhouse gas, voltage, current and power factor. Simply plugs in line between the three phase equipment and the source socket. The PMPRO-32A can measure energy consumption for most three phase powered devices with a 32A connector used in industrial environments.

It consists of two main components i.e. a hand held display and the base that is connected to an outlet and the equipment to be monitored. This is an ideal instrument for the energy auditor wishing to monitor energy consumption of three phase powered devices.

- Base and a display
- Monitors electrical energy consumption and calculates costs and greenhouse gas emissions
- Easy to use and connect via three phase 32A connectors
- Compact and robust
- Colour Graphic LCD touch screen
- Ethernet connection for remote monitoring
- 80Vac to 500Vac
- True-RMS AC measurement
- Removable SD card for monitoring and logging
- Simple intuitive graphical user interface
- Records min/max for V, A, W, kWh for real, active, reactive and apparent power

EA QTY 1

Compliance and Safety	AS3100-2009, IEC61000-4-2 IEC61000-4-4 IEC61000-4-6 IEC61326-1
Contents	Parts supplied e.g. gift box, base, display, operating manual, built-in leads with plugs 32A 3 x L,N & E.
Dimensions	
Batteries	Mains and internal rechargeable battery
Weight	Base 2.2kg

Feature	Range		Accuracy
Energy	MAX	274MWh	
	MIN.	0.001Wh	<1%
	MAX. RUN TIME	497DAYS	
Active Power	MAX. TOTAL	23kW	<1%
	PHASE	7.68kW	<0.33%
	MIN. TOTAL	0.06W	<1%
	PHASE	0.02W	<0.33%
Reactive Power	MAX. TOTAL	23kVAr	
	PHASE	7.68kVAr	<1%
	MIN. TOTAL	1VAr	
	PHASE	1VAr	
Apparent Power	MAX. TOTAL	23kVA	
	PHASE	7.68kVA	<1%
	MIN. TOTAL	1VA	
	PHASE	1VA	
Phase Voltage	MAX	500V AC	
	MIN.	80V AC	<0.5% (60-300V)
Line Current	MAX	32A	<0.5% (500mA-32A)
	MIN.	30mA	<1% (50mA-500mA)
Power Factor	MAX	1.00	<1% (TOTAL)
	MIN.	-1.00	<0.5% (PHASE)

TEST AND MEASUREMENT

ACCESSORIES

TEST LEAD SET FOR 4-WIRE EARTH RESISTANCE TESTERS



Part No. AL-4WER

For Earth resistance testers. Set of test leads and four earth spikes in a soft material bag.

EA QTY 1

Length	Black Wire	3m
	Blue Wire	20m
	Green Wire	50m
	Red Wire	36m
	Spike	45cm

AUST. PLUG TO 3 CORE BANANA PLUG ADAPTOR



Part No. TEL-EL

Three core cable with Australian 10A three pin power plug and three straight banana plugs colour coded red, black and green. Ideal for quick connection to a GPO.

EA QTY 1

Length	1000mm
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Part No. TEL-AN

RCD Testing leading with active/earth connection only

LONG BLACK LEAD FOR BT66 AND BT69



Part No. AL01

Single Brymen straight banana plug black test lead.

EA QTY 1

Length	3m
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PVC TEST LEADS CAT IV BLACK CROC CLIP



Part No. AL02

Single black lead with Crocodile Clip

EA QTY 1

Length	3m
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PVC INSULATED TEST LEADS CAT IV 1000V



Part No. AL04

Brymen right angled banana plug test lead 3mm test pin for CAT IV 1000V.

EA QTY 1

Length	900mm
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PVC INSULATED TEST LEAD AND CROCODILE CLIPS



Part No. AL24

Set of red and black PVC insulated test leads with right angled banana plugs, and threaded test 2mm pins for crocodile clips. Rated 600V, 10A



EA QTY 1

Compliance and Safety	IEC61010 - CAT III 1000V, CAT IV 600V CAT II 1000V without cap and crocodile clips
Length	840mm

MOULDED UL94-0 PVC WITH PROBES AND PLUGS



Part No. AL28-1

Part No. AL28-5

Part No. AL28-3

Moulded UL94-0 PVC red and black with grey probes and plugs.



EA QTY 1

Compliance and Safety	IEC61010 CATIII 1000V and CAT IV 600V plus CAT II 1000V without cap.
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	Description
AL28-1	Leads set with probe tip \varnothing 2mm
AL28-3	Leads set with probe tip 4mm dia banana plugs.
AL28-5	Leads set with probe tip 2mm dia threaded. Includes crocodile clips.

HIGH VOLTAGE INSULATION TESTER TEST PROBES



Part No. AL53

Large test probe with shrouded 4mm banana plug tip, super insulated silicon wire. Only to be used for insulation testers. Rated 10kV 3W output or 1000V input. CAT III 10kv dc 2mA



EA QTY 1

Length	2700mm
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LEADS SET FOR ACTIVE, NEUTRAL AND EARTH



Part No. AL30RBGKIT

Set of double insulated silicon insulated test leads with right angled banana plugs and shrouded 4mm banana plug probes in colours red, black and green.



EA QTY 1

Compliance and Safety	CAT III 1000V, CAT II 1000V without cap Crocodile clips CATIV1000V
Length	1000mm
Kit Includes	Three crocodile clips

TEST AND MEASUREMENT

PHASE COLOURED LEAD SET



Part No. AL30RWBKIT

Set of double insulated silicone insulated test leads with right angled banana plugs and shrouded 4mm banana plug probes in colours red, white and blue.

CAT III
1000V

EA QTY 1

Compliance and Safety	CAT III 1000V, CAT II 1000V without cap Crocodile clips CATIV1000V
Length	1000mm
Kit Includes	Three large crocodile clips

SPARE LEAD TO SUIT BM877



Part No. AL-BM877IN

AL-BM877IN is an accessory for BM877 ONLY. The AL-BM877IN is a spare lead for remote insulation testing DMM BM877.

EA QTY 1

FUSED LEAD SET CATIV WITH 10A FUSES



Part No. AL-57F10A

The AL57F10A is a set of red and black high quality silicon fused pluggable probes and 1.5m test leads.

- CATIII 1000V and CATIV 600V with protective cover
- Fuses 100V, 11A, 20kA AC or DC
- 2mm probe tips under protective cover
- DMM with 10MΩ voltage impedance measurement with 1000Ω resistor bypass if fuse is blown
- Leads 4mm shrouded straight and 90° angled banana plugs connectors for connection to probes and standard meter connections

CAT IV
600V
10A

EA QTY 1

Compliance and Safety	IEC61010-0312002+A12008. CATIII 1000V & CATIV 600V with protective cover. CATII 1000V without the protective cover.
Contents	Red and black test leads, red and black probes with 10A fuses
Dimensions	1.5m long leads
Weight	201g for leads, fuses and probes

SPLITTER ACTIVE 10A PLUG/ LEADS



Part No. TEL-AUS10A

Australian 10A plug to universal socket for easy access to measuring the load of an appliance. There are two measuring positions for x1 and x10 and access for voltage checks with 2mm probes.

- Designed for the Australian and New Zealand market
- Use with any clamp meter
- x10 mode allows for more accurate measurement of low current devices
- x1 mode allows for direct current reading
- 4mm voltmeter input jacks
- 10 amp capacity
- 19cm plug cord for greater flexibility

CAT III
600V

EA QTY 1

Input plug	Australia/NZ
Output Socket	Australia/NZ
Cord Length	19cm± 1cm
Max. Voltage	250Vac (±10%)
Ampere rating	10Aac
Operating temperature & relative humidity	0°C~50°C Max. 80% R.H
Weight	Approx. 196g
Dimensions (mm)	160(L) x 57(W) x 42(D)

DOUBLE SILICONE INSULATED TEST LEADS



Part No. AL35L

Set of double silicon insulated test leads with right angled banana plugs with shrouded 4mm male banana plug test points. AL38C fits onto this probe.



EA QTY 1

Compliance & Safety CATIII 1000V 10A

Length 1000mm

RED AND BLACK CROCODILE CLIPS, 35.5MM SPRING TENSION MOUTH



Part No. AL38C

35.5mm spring tension mouth. Suitable for lantern style 4mm banana plug leads.



EA QTY 1

Compliance & Safety CAT III 600V 10A

STACKING LEADS



Part No. AL37R

Part No. AL37B

Silicon insulated stacking leads with shrouded straight banana plugs.



EA QTY 1

Length 500mm

	Description
AL37R	Red Stacking Lead
AL37B	Black Stacking Lead

TEST AND MEASUREMENT

FUSED LEAD SET CATIV 690V 2A



Part No. AL-52F

- IEC61010 -1 ed. 3.0 CAT IV 690V 2 A
- Shrouded tip
- 2A Fast blow fuses included
- Red and black test leads



EA QTY 1

METER CARRY POUCHES WITH CABAC LOGO



Part No. CPOUCH-1

A soft meter pouch for one DMM.

Part No. CPOUCH-2

A soft pouch for two DMMs or a DMM and clamp meter or a DMM and temperature meter or logger or a T1800 or T1851 style insulation tester.

EA QTY 1

CABAC VOLT-FINGER POUCH



Part No. VPOUCH

Suitable for T7107A, C3121, C3123 or non-contact voltage detectors (NCV) max. size 165x23mm

EA QTY 1

Specialist Tools and Accessories

1.5T Crimpers	C343
3T Crimpers	C343
5T Crimpers	C343
12 to 15T Crimpers and Crimp Heads	C344
23 to 25T Crimpers and Crimp Heads	C347
52 to 60T Crimpers and Crimp Heads	C347
Batteries and Accessories	C348
Cutters and Cutting Heads	C349
Electric and Hydraulic Pumps	C352
Hydraulic Punch Tool and Accessories	C353
Dies Copper	C355
Dies Earthing Copper	C357
Dies Indent Crimp	C358
Dies Aluminium	C359
Dies Aluminium Nest Crimp	C360
Dies Cutting	C361
Dies Insulink	C361
Adaptors	C361
Hydraulic Pole Saws	C362

SPECIALIST TOOLS AND ACCESSORIES

18V CEMBRE CRIMPING AND CUTTING TOOLS



The Cembre range of 18V battery powered hydraulic tools are loaded with features. Based on the renowned Cembre 14V battery range of 13 ton tools, this range is suitable for crimping up to 400mm² and cutting electrical cable up to 95mm in diameter.

The new 18V 4.0 Ah lithium-ion battery offers a higher capacity than its predecessor the 14.4V 3 Ah.

Greater crimping speed and crimping force is the result of a revitalised hydraulic system with double speed action, a more rapid approach of the dies or cutting blade to the connector or conductor and improved speed and control

of the crimping/cutting action. A maximum pressure sensor and security valve assures greater precision and repeatability of the pressure cycle with double the provision for operator safety.

Crimping tools incorporate on-board memory for data logging up to 200 000 cycles which can be transferred to a PC by USB interface. This unique feature assists with logging work performance and ensuring the tool is in proper working condition.



CRIMPING TOOLS

The crimping tools are supplied with OLED display, which provide essential real time tool operating information such as momentary force reached and maximum pre-set level (in Newtons, tons, PSI or bar). The OLED also displays the battery charge level, tool serial number, number of cycles performed and number of cycles before scheduled maintenance. An LED work light and service status light is displayed for assistance with maintenance. The Cembre 18V range is easy to manage during crimping with low operating noise and vibration aiding user comfort in addition to the ergonomic housing. A LED light is included for convenience and safety, enhancing vision in darker areas.

FEATURES:

- Simple and basic operation with low vibration and noise in addition to comfortable handling
- 18V 4.0 Ah power system provides a 20-30% improvement in cycle time and a 70-95% increase in the number of cycles
- OLED display provides real time operating information
- USB interface and on-board memory provides convenient logging
- Heads rotate at various angles
- Built in LED working light for dark areas
- Battery charger and spare battery in kit

CUTTING TOOLS

The Cembre 18V range is easy to manage during crimping with low operating noise and vibration aiding user comfort in addition to the ergonomic housing. An LED light is included for convenience and safety, enhancing vision in darker areas. The blades are manufactured from special high strength steel, ensuring long service life. The head rotates, adapting to the angle that the conductor is cut, especially in a confined space.

FEATURES:

- Simple and basic operation with low vibration and noise in addition to comfortable handling
- 18V 4.0 Ah power system provides a 20-30% improvement in cycle time and a 70-95% increase in the number of cycles power by one
- Head rotates at various angles (please see table)
- Built in LED working light for dark areas
- Battery charger and spare battery in kit

18V 4.0 AH BATTERY

- Provides 100% of its energy between -15 °C and 50 °C
- Electronic control of single cells to avoid over and under charging
- Air-cooled charging technology to increase battery life
- Auto-off to optimise energy consumption
- Built in LED charge level indicator
- Tough and rugged housing



1.5T CRIMPERS

CRIMPERS 1.5T

1.5T BATTERY CRIMPER 18V

Unit: EA Qty: 1



Part No. B15MDT

- Lightweight terminal crimper with a 1.5 tonne crimp capability
- One hand operation with a head rotation of 340 degrees
- Includes a moulded carry case with two batteries and a charger
- Suitable for Copper terminals, lugs and splices up to 16 sq.mm
- Requires suitable dies for pre or uninsulated bootlace ferrules

3T CRIMPERS

CRIMPERS 3T

3.5T BATTERY CRIMPER 18V

Unit: EA Qty: 1



Part No. B35-50MDT

- Lightweight terminal crimper with a 3.5 tonne crimp capability
- One hand operation with a head rotation of 180 degrees
- Includes a moulded carry case with two batteries and a charger
- Suited for Australian dimension Copper or Aluminium lugs or links
- Uses standard M type (5 ton) dies up to 95mm²

5T CRIMPERS

HYDRAULIC CRIMPERS 5T

5 TONNE HYDRAULIC CRIMPER

Unit: EA Qty: 1



Part No. HT51

- Designed for the overhead linesman - this crimper is lightweight and can be operated with one hand
- Small enough to be carried in a tool pouch
- Only three pumping operations required to complete crimp

BATTERY CRIMPERS 5T

5T BATTERY POWERED CRIMPER LI-ION

Unit: EA Qty: 1



Part No. B500T

- 18V battery powered 5 tonne, hydraulic crimping tool giving greater crimping speed and more operations
- Improved handling balance with low noise and vibration
- Dies available for Copper lugs from 6 to 120 sq.mm
- LCD condition indication displays crimping pressure
- Data storage logging of crimping operations

PNEUMATIC CRIMPERS 5T

PNEUMATIC TERMINAL & LUG CRIMPER 5 TONNE

Unit: EA Qty: 1



Part No. PA-6B

- Pneumatic crimping head for electrical terminals, designed for flexible product operations
- Large range of dies and replacement head/jaws available
- Operated by foot air valve
- Unit should be bench mounted using the attachment base

PNEUMATIC CRIMPING HEAD

Unit: EA Qty: 1



Part No. PA-6BHD

- Heavy Duty Pneumatic Terminal and Lug Crimper for flexible product operations
- Machine jaws and a large range of dies also available
- Operated by foot valve
- Unit should be bench mounted using attachment

SPECIALIST TOOLS AND ACCESSORIES

PNEUMATIC CRIMPING MACHINE JAWS PA-6B

Unit: EA Qty: 1



Part No. Y-PA6B JAWS

- Spare part for PA-6B Pneumatic Terminal and Lug Crimper

12 TO 15T CRIMPERS AND CRIMP HEADS

BATTERY CRIMPERS 13T

13T BATTERY CRIMPER LI-ION

Unit: EA Qty: 1



Part No. B1350-CT

- 18V battery powered hydraulic 13 tonne crimping tool, allows for more crimps per charge at a quicker pace
- Balanced, low noise and vibration for better operator comfort
- LCD condition display monitors the crimp pressure
- Data logging of crimping cycles
- Copper dies available up to 400mm²

13T BATTERY CRIMPER LI-ION-LONG HEAD

Unit: EA Qty: 1



Part No. B1350L-CT

- 18V battery powered hydraulic 13 tonne crimping tool, allows for more crimps per charge at a quicker pace
- Balanced, low noise and vibration for better operator comfort
- LCD condition display monitors the crimp pressure
- Data logging of crimping cycles
- Copper dies available up to 400mm²

13T BATTERY CRIMPER LI-ION U HEAD

Unit: EA Qty: 1



Part No. B1350-UCT

- 18V battery powered hydraulic 13 tonne crimping tool, allows for more crimps per charge at a quicker pace
- Balanced, low noise and vibration for better operator comfort
- LCD condition display monitors the crimp pressure
- Data logging of crimping cycles
- Copper dies available up to 400mm²

13T BATTERY CRIMPER LI-ION

Unit: EA Qty: 1



Part No. B1300-CT

- 18V battery powered hydraulic 13 tonne crimping tool, allows for more crimps per charge at a quicker pace
- Balanced, low noise and vibration for better operator comfort
- LCD condition display monitors the crimp pressure
- Data logging of crimping cycles
- Copper dies available up to 400mm²

13T BATTERY CRIMPER LI-ION-LONG HEAD

Unit: EA Qty: 1



Part No. B1300L-CT

- 18V battery powered hydraulic 13 tonne crimping tool, allows for more crimps per charge at a quicker pace
- Balanced, low noise and vibration for better operator comfort
- LCD condition display monitors the crimp pressure
- Data logging of crimping cycles
- Copper dies available up to 400mm²

SPECIALIST TOOLS AND ACCESSORIES

HYDRAULIC CRIMPERS 13T

13 TONNE HYDRAULIC CRIMPER WITH C HEAD

Unit: EA Qty: 1



Part No. HT131-C

- Quality manufacture and robust design will give years of trouble free service
- 25mm throat opening
- Two speed - saving time and effort during crimping
- Head rotates 180 degrees for work in tight spaces

HT131-C WITH FULL SET OF DIES 16-300MM2

Unit: EA Qty: 1



Part No. HT131-C-WHO

- Quality manufacture and robust design will give years of trouble free service
- 25mm throat opening
- Two speed - saving time and effort during crimping
- Head rotates 180 degrees for work in tight spaces

13 TONNE U HEAD HYD. CRIMPER

Unit: EA Qty: 1



Part No. HT131-UC

- Easy access to tight cable joints, particularly in a trench
- Shorter handles ensure easier handling
- Large throat opening
- Supplied in a heavy-duty plastic carry case

HT131-UC WITH FULL SET OF DIES 16-300MM2

Unit: EA Qty: 1



Part No. HT131-UC-WHO

- Easy access to tight cable joints, particularly in a trench
- Shorter handles ensure easier handling
- Large throat opening
- Supplied in a heavy-duty plastic carry case

HT131L-C WITH FULL SET OF DIES 16-300MM2

Unit: EA Qty: 1



Part No. HT131L-C-WHO

- Quality manufacture and robust design will give years of trouble free service
- Nominal force of 13.3 tonnes at the die faces
- Head rotates 180 degrees for work in tight spaces
- Flexible and easy handling

13 TONNE C LONG HEAD HYD. CRIMPER

Unit: EA Qty: 1



Part No. HT131LN-C

- Quality manufacture and robust design will give years of trouble free service
- Head rotates 180 degrees for work in tight spaces
- Two speed - saving time and effort during crimping
- Supplied in a heavy-duty plastic carry case

SPECIALIST TOOLS AND ACCESSORIES

CRIMPER ACCESSORIES 13T

HT131-C STORAGE CASE HT131UC HT131L-C

Unit: EA Qty: 1



Part No. Y-HT131-CASE

- Spare case only
- Case suits HT131 series hydraulic tools
- Features compartments for dies and crimping tool
- Colour: Cembre Blue

C DIE ADAPTOR FOR RHU/UC

Unit: EA Qty: 1



Part No. AU130-C

- Removable die holder for RHU131-C crimp head and HT131-UC crimp tool
- Replacement part for holding Cembre 13 tonne C type dies
- Fits tool head and locked with pin

CRIMP HEADS 13T

13 TONNE REMOTE HEAD C TYPE 25MM THROAT

Unit: EA Qty: 1



Part No. RHC131

- Remote head 13 tonne crimper to be used with a CABAC remote pump or any pump developing 700 bar (10,000 psi) pressure
- Use with standard CABAC 12 tonne dies
- Standard 'C' throat and wide throat available
- Not supplied with a case

13 TONNE REMOTE HEAD U TYPE

Unit: EA Qty: 1



Part No. RHU131-C

- Remote head 13 tonne crimper to be used with a CABAC remote pump or any pump developing 700 bar (10,000 psi) pressure
- Steel case for head and dies available (Part No. Y-RHC131 CASE)
- Throat opening: 34mm
- Weight: 3.7kg

13 TONNE REMOTE LONG HEAD C TYPE 42MM

Unit: EA Qty: 1



Part No. RHC131L-N

- Remote head 13 tonne crimper to be used with a CABAC remote pump or any pump developing 700 bar (10,000 psi) pressure
- Use with standard CABAC 12 tonne dies
- Standard 'C' throat and wide throat available
- Not supplied with a case

CRIMPERS 12T

ECONOMY 12T HYDRAULIC CRIMPER C HEAD

Unit: EA Qty: 1



Part No. CYO-510B

- Economically priced 12 tonne tool with a two stage pumping action for reduced crimping time
- 180 degree head rotation for work in tight spaces
- Reinforced glass fibre handles
- Supplied in a heavy-duty plastic carry case

23 TO 25T CRIMPERS AND CRIMP HEADS

CRIMP HEADS 23T

23 TONNE CRIMPER - REMOTE HEAD

Unit: EA Qty: 1



Part No. ECW-H3D

- 23 tonnes of force at the die face with the ability to crimp up to 630mm² Copper and 500mm² Aluminium
- Light-weight - easily handled by one person
- Couple with a CABAC hydraulic pump (700 bar)
- Steel storage case supplied separately

ECW-H3D STEEL STORAGE CASE

Unit: EA Qty: 1



Part No. Y-ECW-3D CASE

- For use with the 23 tonne Hydraulic Crimper (Part No. ECW-H3D)
- Die holder tray is also available

ECW-3D DIE HOLDER TRAY ONLY

Unit: EA Qty: 1



Part No. Y-ECW-3D D/HOLD

- For use with the 23 tonne Hydraulic Crimper (Part No. ECW-H3D)
- Steel storage case is also available

52 TO 60T CRIMPERS AND CRIMP HEADS

CRIMP HEADS 52T

HYD. PRESSHEAD WITH FEMALE COUPLER

Unit: EA Qty: 1



Part No. RHU520

- Remote head 52 tonne crimper can be used with one of our hydraulic pumps or any pump developing 700 bar (10,000 psi) pressure
- Crimps Cu and Al lugs and compression fittings up to 1200mm²
- Throat opening: 75mm
- Weight: 18kg

CRIMPING HEAD 60T

HYDRAULIC CRIMPING HEAD 600KN

Unit: EA Qty: 1



Part No. RHU600

- Remote head 60 tonne can be used with hydraulic pumps developing 700bar (10,000psi)
- Manufactured in thermally treated steel
- Resistant to oxidation from external agents, abrasion and wear
- Equipped with a quick fit hydraulic male coupler
- Precision made for greater safety and reliability

SPECIALIST TOOLS AND ACCESSORIES

HYDRAULIC CUTTING UNIT

Unit: EA Qty: 1



Part No. CP1120-W-1000-KV

- Cutter head and pump system to safely cut LV and MV cable in a network if the cable has not been spiked
- The cutter head is insulated from the pump
- System must be rebuilt if a 'live' cable is cut
- Earth connection available to ground/earth the head and the pump
- Supplied in a metal case

BATTERIES AND ACCESSORIES

BATTERIES AND ACCESSORIES

B131-C VEHICLE BATTERY CORD 6M WITH PLUG

Unit: EA Qty: 1



Part No. Y-ESC600

- Vehicle battery cord for the 13 tonne battery powered hydraulic crimper
- Suitable for B131-C and B131LN-C parts
- Length: 6M

BATTERY CRIMPER 13T CAR CHARGER B131-C

Unit: EA Qty: 1



Part No. B131-C CARCHARGER

- 12V cigarette lighter charger cord for the 13 tonne battery powered hydraulic crimper
- Suitable for B131-C and B131LN-C parts

CHARGER TO SUIT CB1430H BATTERY

Unit: EA Qty: 1



Part No. DC1414

- 240V charger for the 13 tonne battery powered hydraulic crimper
- Suitable for B131-C and B131LN-C parts

NI-MH 14.4V 3.0AH RECHARGEABLE BATTERY

Unit: EA Qty: 1



Part No. CB1430H

- Compatible with select range of Cembre crimpers
- Battery material: Ni-MH
- Battery voltage: 14.4V
- Battery current: 3 Ah

LI-ION 18V 4.0AH RECHARGEABLE BATTERY

Unit: EA Qty: 1



Part No. CB1840L

- Electronic control of single cells to avoid overcharging and undercharging
- Air-cooled charging technology to increase battery life
- Auto-off to optimise energy consumption
- Battery charger also available (Part No. ASC30-36)

CHARGER TO SUIT CB1840L BATTERY

Unit: EA Qty: 1



Part No. ASC30-36

- Battery charger for use with the Li-Ion 18V 4.0 Ah Rechargeable Battery (Part No. CB1840L)

CUTTERS AND CUTTING HEADS

CUTTERS

REMOTE HYD.ST.WIRE ASCR 40MM OD

Unit: EA Qty: 1



Part No. TC04

- Remote hydraulic cutter head specifically designed to cut ACSR, Copper conductors/cables and steel ropes, Copper, Aluminium and steel rods
- Double stage hydraulic system saves time for the operator
- Fits any pump with Quick Connect hydraulic fittings
- Supplied in a steel case

HYD. CUT TOOL HEAD CU/AL 55MM ASCR 50MM

Unit: EA Qty: 1



Part No. TC055

- Equipped with a quick automatic coupling for connection to Cembre hydraulic pumps with a working pressure of 700bar
- Designed to cut cables, steel rope, rods, armoured cable
- Supplied in a metal case
- See data sheet for cutting specifications

PUMP OPERATED CUTTER HEAD MAX DIA 85MM

Unit: EA Qty: 1



Part No. TC085

- Remote hydraulic cable cutter head specifically designed to cut annealed Copper and Aluminium conductors and telecom cables
- Supplied with a steel case
- Not suitable to cut steel and armoured cable
- Maximum cutting diameter: 85mm

PUMP OPERATED CUTTER HEAD MAX DIA 95MM

Unit: EA Qty: 1



Part No. TC096

- Remote hydraulic cable cutter head specifically designed to cut annealed Copper and Aluminium conductors and telecom cables
- Supplied with a steel case
- Not suitable for armoured cable
- Maximum cutting diameter: 95mm

PUMP OPERATED CUTTER HEAD MAX DIA 120MM

Unit: EA Qty: 1



Part No. TC120

- Remote hydraulic cable cutter head specifically designed to cut annealed Copper and Aluminium conductors and telecom cables
- Supplied with a steel case
- Automatic safety valve to prevent over-pressure
- Complete with 3/8 inch NPT self-lock male coupler
- Not suitable to cut steel and armoured cable

SPECIALIST TOOLS AND ACCESSORIES

HYD. CUTTING TOOL ACSR/STEEL 24MM MAX OD

Unit: EA Qty: 1



Part No. HT-TC026

- Hand operated hydraulic tool specifically designed to cut ACSR, Copper conductors/cables and steel ropes, Copper, Aluminium and steel rods
- Dual speed pump
- Head can rotate 90 degrees
- Supplied with a canvas bag
- Maximum cutting diameter: 24mm

HYD. CUTTING TOOL CU/AL 55MM MAX OD

Unit: EA Qty: 1



Part No. HT-TC055

- Hand operated hydraulic cable cutter specifically designed to cut steel and wire rope
- Produces up to 140kN force at the max pressure of 808 bar
- Suitable for Cu, Al, armoured cable, steel rope and rods
- See data sheets for cutting specifications
- Maximum cutting diameter: 55mm

HYD. CUTTING TOOL AL/CU 65MM MAX OD

Unit: EA Qty: 1



Part No. HT-TC065

- Hand operated hydraulic cable cutter specifically designed to cut Copper, Aluminium and telecom cables
- Supplied in a canvas bag
- Not suitable to cut steel and armoured cable
- Maximum cutting diameter: 65mm

HYD. CUTTING TOOL CU/AL 85MM MAX OD

Unit: EA Qty: 1



Part No. HT-TC0851

- Hand operated hydraulic cable cutter specifically designed to cut annealed Copper and Aluminium conductors and telecom cables
- Double stage hydraulic system saves time for the operator
- Head can rotate 180 degrees
- Supplied with a canvas bag
- Maximum cutting diameter: 85mm

18V BATTERY CUTTER 25MM

Unit: EA Qty: 1



Part No. BTC250T

- Battery powered cutter suitable for ACSR, steel rope, stay wire, steel rods and armoured cable
- 18V battery produces faster and more cutting operations
- Head pivots up to 180 degrees - ease of use in confined spaces
- Low noise and minimal vibration aid operator comfort
- Lightweight and balanced for single handed operation

18V BATTERY CUTTER 50MM

Unit: EA Qty: 1



Part No. BTC500T

- Battery powered 18V cable cutter for Copper, Aluminium and telecom cables and conductors
- Blades: High strength, heat treated special steel
- Head pivots up to 90 degrees - ease of use in confined spaces
- Low noise and minimal vibration aid operator comfort
- Lightweight and balanced for single handed operation

SPECIALIST TOOLS AND ACCESSORIES

18V BATTERY CUTTER 55MM

Unit: EA Qty: 1



Part No. BTC550T

- 18V battery powered for faster cutting operations. Lightweight and balanced for single handed operation
- Cutting blades: High strength, heat treated special steel
- Head pivots up to 320 degrees - ease of use in confined spaces
- Low noise and minimal vibration aid operator comfort
- Cutter suitable for armoured cable, steel rope and rods

18V BATTERY CUTTER 65MM

Unit: EA Qty: 1



Part No. BTC650T

- 18V battery powered for faster cutting operations for Aluminium, Copper and telecom cables
- Cutting blades: High strength, heat treated special steel
- Head pivots up to 335 degrees - ease of use in confined spaces
- Low noise and minimal vibration aid operator comfort
- Lightweight and balanced for single handed operation

18V BATTERY CUTTER 95MM

Unit: EA Qty: 1



Part No. BTC950T

- 18V battery powered for faster cutting operations for Aluminium, Copper and telecom cables
- Cutting blades: High strength, heat treated special steel
- Head pivots up to 335 degrees - ease of use in confined spaces
- Low noise and minimal vibration aid operator comfort
- Lightweight and balanced for single handed operation

SPECIALIST TOOLS AND ACCESSORIES

CUTTERS

HYDRAULIC CUTTER - ECONOMY MAX 240MM2

Unit: EA Qty: 1



Part No. CPC-30A

- Economically priced - designed to cut cable with a shearing scissor action
- Self contained hydraulic hand pump develops 6.7 tonnes
- Head swivels for access into tight situations
- Hardened steel blades specifically to cut ACSR



- Easy to use - designed to attach to a hand held electrical drill
- Various cutting sizes available from 30-100mm diameter cable
- Supplied in an easy to carry case
- Blade can be sharpened using a file or mini grinder



Part No.	Description	Unit	Qty
DDQ33	CUTTER HEAD DIA. 22 MM STEEL ROPE	EA	1
DDQ30	CUTTER HEAD DIA. 30 MM ACSR CHAIN	EA	1
DDQ80	CUTTER HEAD DIA. 80 MM AL/CU CABLE	EA	1

HYD. STEEL AND WIRE ROPE CUTTER 40MM MAX

Unit: EA Qty: 1



Part No. MSS-S40-M

- Smallest and most powerful cutter weight to power ratio available on the market today
- 2 speed hydraulic pumping for rapid advance and cutting

BATTERY POWERED CABLE CUTTER 40MM MAX

Unit: EA Qty: 1



Part No. MSS-S40-18V

- Guillotine style for cutting Copper, Aluminium, ACSR and Steel Wire Rope up to 40mm O.D.
- Rapid blade advance - double speed in cutting stage
- Rotating head 180 degrees
- Factory pre-set overload relief to protect tool

ELECTRIC AND HYDRAULIC PUMPS

PUMPS

HYD. FOOT PUMP 2 STAGE IN CASE

Unit: EA Qty: 1



Part No. PO7000

- Double stage foot pump for faster crimping and cutting
- Hands are free for cable and lug positioning
- Maximum stability with an extra large base
- Supplied in a robust steel case

BATTERY POWERED HYDRAULIC PUMP

Unit: EA Qty: 1



Part No. B70M-P24

- A state of the art unit designed for mobile crimping and cutting - use with any of the CABAC crimping heads and cutters
- Light-weight and balanced - easy to carry
- Powerful 24V battery with a 60 minute recharge
- Manual pressure relief valve

SPECIALIST TOOLS AND ACCESSORIES

CRIMPING PUMP -0.45KW-240V- 12V REMOTE

Unit: EA Qty: 1

NITTO DENKO



Part No. MSS-HCP-45SV

- Suitable for use with all hydraulic remote crimping heads up to 60 tonne capacity
- Light-weight, portable and small in size with high power
- Audible 'POP' signals completion of the crimp cycle
- Comes with remote control pendant
- Double Acting pump available (Part No. MSS-HCP-45SV-DA)

ELECTRIC HYDRAULIC PUMP-240V

Unit: EA Qty: 1



Part No. KSMP-3AR

- Usable oil: 1.8 litres
- First stage pressure: 15 bar at 2.0 l/min
- Second stage pressure: 700 bar at 0.2 l/min
- Power: 240V, 1.6A

SUPER LIGHTWEIGHT 240V ELECTRIC PUMP

Unit: EA Qty: 1

NITTO DENKO



Part No. HPP1

- This pump is called the 'Peanut Pump' for good reason. Small and light-weight, this pump produces a full 700bar (10,000 psi) pressure
- Sufficient oil volume to power all CABAC crimp heads and cutters
- Operate at any angle - no leaks if tipped over
- Motor and pump are totally enclosed and drip proof
- Comes with a 3m hose and coupler to suit Cabac and MSP hyd. tools

HYDRAULIC PUMP/HOSE 240V LIGHTWEIGHT

Unit: EA Qty: 1

NITTO DENKO



Part No. HPP2

- Two stage pumping with 2.5L/min flow in low pressure stage and 0.35L/min in the high pressure stage
- For CABAC and MSS remote crimp heads (up to 60 tonnes) and cutters
- Power Supply Voltage: 240V/50Hz
- Weight: 18kg
- Comes with a 3m hose and coupler to suit Cabac and MSP hyd. tools

HYDRAULIC PUNCH TOOL AND ACCESSORIES

HYDRAULIC PUNCH DIE 15T

15 TONNE HYDRAULIC PUNCH DIE SET

Unit: EA Qty: 1

CABAC



Part No. SKP-15

- A complete punch tool set including a pump and various dies for mild steel <3.2mm
- Output of 15 tonnes and a ram stroke of 25mm
- Round dies: dia. 22, 27.6, 34.1, 42.7, 48.7 and 60.5mm
- Square die: 32x32mm
- Additional dies and spindles also available separately

PUNCH DIE SQUARE 32 X 32MM W/SPINDLE

Unit: EA Qty: 1

CABAC



Part No. PDS32

- Die for SKP-15 hydraulic punch tool set
- Suitable for mild steel up 3.2mm thick
- Die is not suitable for stainless steel
- Round and square dies available for SKP-15

SPECIALIST TOOLS AND ACCESSORIES

PUNCH DIE SET SPINDLE

Unit: EA Qty: 1



Part No. PDSPINDLE

- Spare part for the SKP-15 15 tonne Hydraulic Punch
- A compact, light and fast punching tool
- Full kit also available

PUNCH DIE SET SPACER

Unit: EA Qty: 1



Part No. PDSPACER

- Spare part for the SKP-15 15 tonne Hydraulic Punch
- A compact, light and fast punching tool
- Full kit also available

HYDRAULIC PUNCH DIE ACCESSORIES



- Die for SKP-15 hydraulic punch tool set
- Suitable for mild steel up 3.2mm thick
- Die not suitable for stainless steel
- Round and square dies available for SKP-15

Part No.	Description	Unit	Qty
PD16.2	PUNCH DIE ROUND 16.2MM	EA	1
PD20.4	PUNCH DIE ROUND 20.4MM	EA	1
PD22.5	PUNCH DIE ROUND 22.5MM	EA	1
PD25.4	PUNCH DIE ROUND 25.4MM	EA	1
PD32.5	PUNCH DIE ROUND 32.5MM	EA	1
PD40.5	PUNCH DIE ROUND 40.5MM	EA	1
PD50.8	PUNCH DIE ROUND 50.8MM	EA	1
PD60.5	PUNCH DIE ROUND 60.5MM	EA	1
PD63.5	PUNCH DIE ROUND 63.5MM	EA	1
PD88.9	PUNCH DIE ROUND 88.9MM	EA	1
PD115.5	PUNCH DIE ROUND 115.5MM	EA	1

DIES COPPER

COPPER DIES 5T



- Dies to suit 5 tonne crimping tool for Australian and New Zealand dimensioned Copper lugs and links
- Hexagonal crimp dies
- Made from heat-treated carbon steel

Part No.	Description	Nominal Conductor (mm ²)	A/F Hex Die (mm)	Unit	Qty
M44-50	HT50 HEX COPPER DIE 6MM2	6	4.4	EA	1
M57-50	HT50 HEX COPPER DIE 10MM2	10	5.7	EA	1
M63-50	HT51 HEX COPPER DIE 16MM2	16	6.3	EA	1
M77-50	HT51 HEX COPPER DIE 25MM2	25	7.7	EA	1
M82-50	HT51 HEX COPPER DIE 6MM2	6	8.2	EA	1
M92-50	HT51 HEX COPPER DIE 35MM2	32	9.2	EA	1
M96-50	HT51 HEX COPPER DIE 25MM2	25	9.6	EA	1
M104-50	HT50 HEX COPPER DIE 50MM2	50	10.4	EA	1
M115-50	HT51 HEX COPPER DIE 70MM2	70	11.5	EA	1
M142-50	HT51 HEX COPPER DIE 95MM2	95	14.2	EA	1
M148-50	HT51 HEX COPPER DIE 70MM2	70	14.8	EA	1
M165-50	HT50 HEX COPPER DIE 120MM2	120	16.5	EA	1
M183-50	HT51 HEX COPPER DIE 150MM2	150	18.3	EA	1
M190-50	HT51 HEX COPPER DIE 95MM2	95	19.0	EA	1
M200-50	HT50 HEX COPPER DIE 185MM2	185	20.0	EA	1

COPPER B035 DIES



- Custom dies for B035 3.5 ton crimping tool
- Hexagonal dies for Copper lugs and links
- Range suitable from 6mm² to 120mm²
- Die fits Klauke EK354-L crimp tool

Part No.	Description	Unit	Qty
B035-6	DIE B035 CU 6MM	EA	1
B035-10	DIE B035 CU 10MM	EA	1
B035-16	DIE B035 CU 16MM	EA	1
B035-25	DIE B035 CU 25MM	EA	1
B035-35	DIE B035 CU 35MM	EA	1
B035-50	DIE B035 CU 50MM	EA	1
B035-70	DIE B035 CU 70MM	EA	1
B035-95	DIE B035 CU 95MM	EA	1
B035-120	DIE B035 CU 120MM	EA	1

SPECIALIST TOOLS AND ACCESSORIES

COPPER DIES 12/13T



- Crimping dies for Australian and New Zealand dimensioned lugs and links
- Hexagonal dies for Copper lugs and links
- For 12/13 tonne hydraulic crimp tools
- Carbon steel dies

Part No.	Description	Conductor Range (mm ²)	A/F Hex Die	Unit	Qty
HT130-C-6	COPPER HEXAGONAL DIE 6MM2	6	4.4	EA	1
HT130-C-10	COPPER HEXAGONAL DIE 10MM2	6	4.4	EA	1
HT130-C-16	COPPER HEXAGONAL DIE 16MM2	16	6.3	EA	1
HT130-C-25	COPPER HEXAGONAL DIE 25MM2	25	7.7	EA	1
HT130-C-35	COPPER HEXAGONAL DIE 35MM2	35	9.2	EA	1
HT130-C-50	COPPER HEXAGONAL DIE 50MM2	50	10.4	EA	1
HT130-C-70	COPPER HEXAGONAL DIE 70MM2	70	11.5	EA	1
HT130-C-95	COPPER HEXAGONAL DIE 95MM2	95	14.2	EA	1
HT130-C-120	COPPER HEXAGONAL DIE 120MM2	120	16.5	EA	1
HT130-C-150	COPPER HEXAGONAL DIE 150MM2	150	18.3	EA	1
HT130-C-185	COPPER HEXAGONAL DIE 185MM2	185	20.0	EA	1
HT130-C-240	COPPER HEXAGONAL DIE 240MM2	240	23.1	EA	1
HT130-C-300	COPPER HEXAGONAL DIE 300MM2	300	26.0	EA	1

COPPER C CONNECTOR DIES 12T



- Dies 12/13 tonne crimp heads for heavy duty C-connectors CACD and CACE range
- Oval crimp on C-connector
- Made from heat-treated carbon steel

Part No.	Description	Unit	Qty
HT130-CC	C CONNECTOR CRIMPING DIES 10-35 MM2	EA	1
HT130-C0	C CONNECTOR CRIMPING DIES 35-70 MM2	EA	1
HT130-C997	C CONNECTOR CRIMPING DIES 95-120 MM2	EA	1
HT130-C1011	C CONNECTOR CRIMPING DIES 150-240 MM2	EA	1

COPPER DIESETS 12T/13T

12 TON DIE SET 16-300MM2

Unit: EA Qty: 1



Part No. DIESET

- 12/13 tonne dies for Australian and New Zealand dimensioned lugs and links
- Hexagonal crimp die kit for Cu
- Made from heat-treated carbon steel
- Copper dies 16sq.mm to 300mm2

13 TON DIE SET

Unit: KIT Qty: 1



Part No. DIESET2

- 12/13 tonne dies for Australian and New Zealand dimensioned lugs, links and overhead line sleeves
- Hexagonal crimp die kit for Cu and Al
- Made from heat-treated carbon steel
- Cu dies 16 to 300 sq.mm and Al dies 6 to 300mm2

COPPER DIES 23T



- Crimping dies for Australian and New Zealand dimensioned lugs and links
- Hexagonal crimp dies for Copper lugs and links
- Suitable for 22/23 tonne hydraulic crimping heads

Part No.	Description	Nominal Conductor (mm ²)	A/F Hex Die (mm)	Unit	Qty
ECW-H3D-400	DIE - ECW-H3D 400MM ² COPPER	400	28.1	EA	1
ECW-H3D-500	DIE - ECW-H3D 500MM ² COPPER	500	31	EA	1
ECW-H3D-630	DIE - ECW-H3D 630MM ² COPPER	630	37	EA	1

COPPER DIES 53T



- Die for 52 tonne crimp heads for Australian and New Zealand dimensioned Copper lugs and links
- Hexagonal crimp die
- Die range for large Copper lugs and links up 1000 sq.mm
- Adaptor RHU520-AD available for 13 tonne C dies

Part No.	Description	Nominal Conductor (mm ²)	A/F Hex Die (mm)	Unit	Qty
RHU520-400	HEX. DIE 400MM A/F 28.1	400	28.1	EA	1
RHU520-500	HEX. DIE 500MM A/F 31.0	500	31.0	EA	1
RHU520-630	HEX. DIE 630MM A/F 37.0	630	37.0	EA	1
RHU520-800	HEX. DIE 800MM A/F 43.2	800	43.2	EA	1
RHU520-1000	HEX. DIE 1000MM A/F 48.0	1000	48.0	EA	1

DIES EARTHING COPPER

C CONNECTOR DIES 12T

COPPER C CONNECTOR CACC DIE

Unit: EA Qty: 1



Part No. HT-CACC

- Crimping die C type for 12/13 tonne crimper for CACC70 C-connector
- Based on old style range
- Made from heat treated carbon steel
- Also see MC70-C and other dies for CACC range

COMPRESSION DIE FOR CAEC

Unit: EA Qty: 1



Part No. HT-CAEC

- Die to suit earthing rod C-connectors range CAEC
- Die fits all sizes of CAEC C-connector range
- Made from heat-treated carbon steel
- Suitable for crimping C-connector CACC95

SPECIALIST TOOLS AND ACCESSORIES

HT CACC C-CONNECTOR DIES 12T



- Die for CACC range of earth bonding and tap off C-connectors
- 12/13 tonne crimp tool C-type hexagonal crimp die
- Made from heat-treated carbon steel

Part No.	Description	Unit	Qty
MC25-C	DIE CACC25 HT&B SERIES TOOLS	EA	1
MC35-C	DIE CACC35 HT&B SERIES TOOLS	EA	1
MC70-C	DIE CACC70 HT&B SERIES TOOLS	EA	1
MC95-C	DIE CACC95 HT&B SERIES TOOLS	EA	1
MC185-C	DIE CACC120 HT&B SERIES TOOLS	EA	1

DIES INDENT CRIMP

INDENT CRIMP DIES 12T



- Indent die for 12/13 tonne Aluminium solid sector conductor
- Suitable for Australian and New Zealand sector lugs and links
- Requires a NEST die for sector crimps

Part No.	Description	Unit	Qty
HT130-A16INDENT	INDENT SECT. ALUM 3/4 CORE 120MM	EA	1
HT130-A18INDENT	INDENT SECT. ALUM 3/4 CORE 185MM	EA	1
HT130-A19INDENT	INDENT SECT. ALUM 3/4 CORE 240MM	EA	1

DIES ALUMINIUM

ALUMINIUM DIES 5T



- Dies to suit 5 tonne crimp tools for Australian and New Zealand dimensioned Aluminium lugs and links
- Hexagonal crimp dies
- Made from heat-treated carbon steel

Part No.	Description	Nominal Conductor (mm ²)	A/F Hex Die (mm)	Unit	Qty
M90-50	HT51 HEX ALUM DIE 16-35MM A/F 9.0MM	16	9.0	EA	1
M132-50	HT51 HEX ALUM DIE 50-70MM A/F 13.2MM	50	13.2	EA	1
M140-50	HT51 HEX ALUM DIE ABC 25MM A/F 14.0MM	25	14.0	EA	1
M173-50	HT51 HEX ALUM DIE ABC 35-70MM A/F 17.3MM	95	17.3	EA	1
M215-50	HT51 HEX ALUM DIE ABC 95-150MM AF 21.5MM	150	21.5	EA	1
M220-50	HT50 HEX ALUM DIE 150-185MM A/F 22.0MM	185	20.0	EA	1

ALUMINIUM DIES 12/13T



- Dies to suit Australian and New Zealand dimensions Aluminium lugs, links and overhead line sleeves
- C-type die for 12/13 tonne crimp tools
- Hexagonal crimp dies
- Made from heat-treated carbon steel

Part No.	Description	Conductor Range (mm ²)	A/F Hex Die	Unit	Qty
HT-6/35AL	ALUMINIUM HEX.DIE 9.00MM A/F 6-32MM	6-35	9.0	EA	1
HT-7/225AL	ALUMINIUM HEX DIE 14.0MM A/F	7-225	14.0	EA	1
HT-7/250AL	ALUMINIUM HEX DIE 14.5MM A/F	7-250	14.5	EA	1
HT-7/300-375AL	ALUMINIUM HEX DIE 18.0MM A/F	300-375	18.0	EA	1
HT-7/450AL	ALUMINIUM HEX DIE 19.0MM A/F	7-450	19.0	EA	1
HT-19/375AL	ALUMINIUM HEX DIE 26.2MM A/F	19-375	26.2	EA	1
HT-50/70AL	ALUMINIUM HEX DIE 13.2MM A/F 50-70MM	50-70	13.2	EA	1
HT-95/120AL	ALUMINIUM HEX DIE 17.3MM A/F 95-120MM	95-150	17.3	EA	1
HT-150/185AL	ALUMINIUM HEX DIE 22.0MM A/F 150-185MM	150-185	22.0	EA	1
HT-240/300AL	ALUMINIUM HEX DIE 28.4MM A/F 240-300MM	240-300	28.4	EA	1

ALUMINIUM ABC DIES 12T



- 12/13 tonne C-type dies for ABC lugs and links
- Hexagonal crimp dies
- Made from heat-treated carbon steel

Part No.	Description	Conductor Range (mm ²)	A/F Hex Die	Unit	Qty
HT-25ABC	ALUMINIUM DIE 25MM ² ABC	25	14.0	EA	1
HT-35/95ABC	ALUMINIUM DIE 35/95MM ² ABC	35-95	17.3	EA	1
HT-95/150ABC	ALUMINIUM DIE 95/150MM ² ABC	95-150	21.5	EA	1

SPECIALIST TOOLS AND ACCESSORIES

ALUMINIUM DIESETS 12/13T

ALUMINIUM DIE SET

Unit: KIT Qty: 1



Part No. DIESET3

- 12/13 tonne dies for Australian and New Zealand dimensioned lugs and links
- Hexagonal crimp die kit for Al
- Made from heat-treated carbon steel
- Aluminium dies for 6 sq.mm to 300 sq.mm

ALUMINIUM DIES 23T



- Crimping dies for Australian and New Zealand dimensioned lugs and links
- Hexagonal crimp dies for Aluminium lugs and links
- Suitable for 22/23 tonne hydraulic crimping heads

Part No.	Description	Nominal Conductor (mm ²)	A/F Hex Die (mm)	Unit	Qty
ECW-H3D4/500AL	DIE ALUM. ECW-H3D 400/500	500	39.0	EA	1

ALUMINIUM DIES 53T



- Die for 52 tonne crimp head for Australian and New Zealand dimensioned Aluminium lugs and links
- Hexagonal crimp die
- Made from heat treated carbon steel

Part No.	Description	Nominal Conductor (mm ²)	A/F Hex Die (mm)	Unit	Qty
RHU520-4/500AL	HEX. DIE ALUM. 4/500MM A/F 39.0	500	39.0	EA	1
RHU520-1000AL	HEX. DIE ALUM. 1000MM A/F 52.5	1000	52.5	EA	1

DIES ALUMINIUM NEST CRIMP

ALUMINIUM NEST CRIMP DIE 12T



- NEST dies for 12/13 tonne Aluminium solid sector conductor
- Suitable for Australian and New Zealand sector lugs and links
- Requires an indent die for sector crimps

Part No.	Description	Unit	Qty
HT130-A14NEST	NEST SECT. ALUM 4 CORE 70-120MM	EA	1
HT130-A12NEST	NEST SECT. ALUM 3 CORE 70-300MM	EA	1
HT130-A15NEST	NEST SECT. ALUM 4 CORE 150-300MM	EA	1

DIES CUTTING

CUTTING DIES 5T

HT50 WIRE CUTTING DIE 10MM O

Unit: EA Qty: 1



Part No. MB52-50

- Cutting dies for 5 tonne hydraulic crimping tools to cut copper or aluminium
- Made from heat-treated carbon steel
- No adjustments required
- Less costly than dedicated cutting tools
- Suitable for cutting up to 10mm diameter wire

CUTTING DIES 13T

WIRE CUTTER DIE - 12T

Unit: EA Qty: 1



Part No. HT-131-CD

- Cutting die for 12/13 tonne C-type hydraulic crimping tools, with a cutting diameter of 16mm
- Australian designed and manufactured
- Less costly than dedicated cutting tools
- No adjustments required for cutting different materials
- Suits all 12/13 tonne 'C' or 'U' style crimp tools

CUTTING DIES 23T

CUTTING DIE SET FOR ECW-H3D CRIMP HEAD

Unit: EA Qty: 1



Part No. WT2-30

- Cutting die for 22/23 tonne hydraulic crimping tools with a cutting diameter of 20mm
- Made from heat-treated carbon steel

DIES INSULINK

INSULINK DIES 5T

HT50 DIE-ALL SIZE INSULINK 35MM

Unit: EA Qty: 1



Part No. MC35-50

- Die for Burndy Insulink
- One die fits all

ADAPTORS

ADAPTORS 12T

ADAPTOR ECW-H3D 12 TON DIES

Unit: EA Qty: 1



Part No. ECW-H3D-AD

- Adaptor for 22/23 tonne crimp head to fit 12/13 tonne C-type crimp dies
- Suits Cembre crimp head ECW-H3D
- Adapts 23 tonne tool to crimp large range of lugs and links

SPECIALIST TOOLS AND ACCESSORIES

ADAPTOR RHU520 TO 12 TON DIE

Unit: EA Qty: 1



Part No. RHU520-AD

- Adaptor allows use 13 tonne C-type dies with RHU520 52 tonne crimp heads
- Fits standard 12/113 tonne C-dies
- Extends range of RHU520 to smaller size crimp dies

HYDRAULIC POLE SAWS

HYDRAULIC POLE SAW



- Designed for safely trimming branches from either an aerial bucket or the ground
- Light-weight and balanced with strong insulated fibreglass pole
- Packed with safety features
- Designed with a 'Cool Running' handle for operator comfort
- Can be used on both open and closed hydraulic systems



Part No.	Description	Unit	Qty
MSS-HPS-1500-FF-C	POLE SAW 150CM FOAM FILLED WITH COUPLERS	EA	1
MSS-HPS-1800-FF-C	POLE SAW 180CM FOAM FILLED WITH COUPLERS	EA	1

Safety (PPE)

Head Face and Hearing Protection	C364
Respiratory Protection	C367
Hand Protection	C368
Workplace Safety Accessories	C368
Safety Lighting Equipment	C371
Fire Fighting Equipment	C371
First Aid Kits	C373
Height Safety	C374
Lanyards	C376
Polestraps and Karabiners	C377
Rescue Kits	C380
Traffic Control Equipment	C382
Lockout Tagout	C382
Insulating Mats and Covers	C391
Insulating Gloves	C394
Inner and Outer Gloves	C400
Arc Flash Gloves	C406
Arc Flash Switching Apparel	C408
Clothing and Footwear	C414

SAFETY (PPE)

HEAD FACE AND HEARING PROTECTION

SAFETY GLASSES

SAFETY GLASSES COBRA CLEAR

Unit: EA Qty: 1



Part No. 93-12SCC

- Basic style of lightweight safety glasses
- Rated for medium impact
- AS/NZS 1337.1 Approved
- Clear lenses and frame

SAFETY GLASSES COBRA SMOKE

Unit: EA Qty: 1



Part No. 93-12SGSD

- Wrap around style safety glasses
- AS/NZS 1337.1 Approved
- Rated for medium impact
- Smoke lenses and frame
- Lightweight

SAFETY GLASSES RADAR CLEAR

Unit: EA Qty: 1



Part No. 93-14SBGC

- Premium style safety glasses with adjustable arms
- Rated for medium impact
- AS/NZS 1337.1 Approved
- Clear lenses and grey frame

SAFETY GLASSES SABER RED MIRROR

Unit: EA Qty: 1



Part No. 93-900SBRRM

- Modern look and feel - available in smoke or red iridium colour
- Rated for medium impact
- AS/NZS 1337.1 Approved

SAFETY GLASSES SABER SMOKE MIRROR

Unit: EA Qty: 1



Part No. 93-900SBSD

- Modern look and feel - available in smoke or red iridium colour
- Rated for medium impact
- AS/NZS 1337.1 Approved

SAFETY GLASSES BLACK/RED

Unit: EA Qty: 1



Part No. 93-0105BRM

- Advanced sunglasses style
- Modern look and feel
- Rated for medium impact
- AS/NZS 1337.1 Approved

SAFETY GLASSES SILVER DARK/WHITE

Unit: EA Qty: 1



Part No. 93-0105SWSMD

- Advanced sunglasses style
- Modern look and feel
- Rated for medium impact
- AS/NZS 1337.1 Approved



SAFETY GOGGLES ALPHA

Unit: EA Qty: 1



Part No. 93-01SCCU

- Site visitor / laboratory style
- Medium impact rated - AS/NZS 1337.1
- Clear lenses and frame



SAFETY GLASSES ATLANTIC OVERSPEC

Unit: EA Qty: 1



Part No. 93-387SMBCA

- Designed to be worn over your prescription spectacles
- Modern look and feel
- Medium impact rated
- AS/NZS 1337.1 Approved



SAFETY GOGGLES SPARTA CLEAR

Unit: EA Qty: 1



Part No. 93-149SCCU

- Lab style goggle, vented design with anti-fog for complete protection from all angles
- Rated for medium impact
- AS/NZS1337.1 Approved
- Clear with elastic strap



ECCO SAFETY GLASSES

SNN200S SAFETY GLASSES WINDY HILL SM

Unit: EA Qty: 1



Part No. T080410

- Medium impact protection in a functional wrap-around style
- Anti-fog (AF) lens
- Smoke Lens
- 100% UV protection
- Certified to AS/NZS 1337.1:2010



EAR PROTECTION

EARPLUGS DISPOSABLE BOX OF 200

Unit: BOX Qty: 200



Part No. 93-DBOSS27

- Uncorded and disposable
- Class 5
- Rating -27dB



SAFETY (PPE)

EARPLUGS DISPOSABLE WITH CORD

Unit: BOX Qty: 100



Part No. 93-DBOSS27-C

- Corded and disposable
- Class 5
- Rating -27dB

JAVELIN EAR MUFFS CLASS5 -26DB

Unit: EA Qty: 1



Part No. 93-M06

- Rated to Class 5 (-26dB) and Australian Standards Approved
- AS/NZS 1270
- Comfortable wear with head padding and soft cushions

ECCO EAR PROTECTION

SIGR EARPLUGS DISPOSABLE PK 6 PCS

Unit: EA Qty: 1



Part No. T081636

- Uncorded and disposable
- Soft foam cylindrical shape
- Hi Visible orange colour
- Pack Qty: 6
- Approved to AS/NZS 1270:2002

RB920PVM COMBINATION VISOR & EARMUFF

Unit: EA Qty: 1



Part No. T081797

- Combination clear visor and ear muff kit
- Rated to Class 5 SLC80 value 27
- Light-weight with excellent hearing and face protection
- Very comfortable to wear

HEAD AND FACE SHIELD PROTECTION

HARD HAT WHITE VENTED

Unit: EA Qty: 1



Part No. 93-HM2ATW

- Manufactured with ABS plastic
- 6 point nylon easily adjustable harness
- Replaceable sweatband
- 30mm slot to fit all major brands of cap attached ear muff
- Certified to AS/NZS1801 as Type 1 - Industrial

HARD HAT VENTED YELLOW

Unit: EA Qty: 1



Part No. 93-HM2ATY

- Manufactured with ABS plastic
- 6 point nylon easily adjustable harness
- Replaceable sweatband
- 30mm slot to fit all major brands of cap attached ear muff
- Certified to AS/NZS1801 as Type 1 - Industrial

SWEATBAND PR BLACK FOR HELMET

Unit: EA Qty: 1

**Part No. 93-HMCRHB**

- Replaceable sweatband for Hammerhead hard hat
- Increases hygiene for users
- Ideal for multiple users/shared hard hats

CONSUMABLES

SWIFT WIPES FOR FACE SHIELD SACHET EACH

Unit: EA Qty: 1

**Part No. 93-SW200**

- Excellent for dirty or greasy face shields
- Designed to ensure crystal clear vision at all times
- Great for maintaining hygiene in shared hoods and face shields

KWIK WIPE HAND CLEANING SACHET - EACH

Unit: EA Qty: 1

**Part No. 94-28700101**

- Alcohol based pre-moisturised wipes
- Specially formulated
- Streak free

ARC FLASH PPE HYGIENE KIT

Unit: EA Qty: 1

**Part No. 90-HYGIENEKIT**

- Single use kit for cleaning and maintaining Arc Flash PPE
- Designed to clean and sterilise face shields and headwear
- Great product for shared Arc Flash suits or kits
- Handy item to keep in switch rooms or with Arc Flash kits

RESPIRATORY PROTECTION**DUST MASKS**

DUST MASK P2

Unit: BOX Qty: 20

**Part No. 93-P2**

- Disposable P2 dust mask with elastic strap
- Approved to Australian Standards AS/NZS 1716
- Suitable for general dust, dirt and air pollution

DUST MASK WITH VALVE

Unit: BOX Qty: 10

**Part No. 93-P2V**

- Disposable P2 dust mask with elastic strap and valve
- Approved to Australian Standards AS/NZS 1716
- Suitable for general dust, dirt and air pollution

SAFETY (PPE)

HAND PROTECTION

GENERAL WORK GLOVES



- Black nitrile coated palm and finger tips helps reduce hand fatigue while providing maximum comfort and dexterity
- Seamless machine knit fluorescent lime 100% polyester shell
- Good protection from nuisance nicks and abrasion
- 10 pairs per pack. 200 pairs per carton
- EN388 (4, 1, 2, 2)



Part No.	Description	Unit	Qty
GLV77500-08	POLYESTER GLOVES COATED PALM F LIME S8	PAK	10
GLV77500-09	POLYESTER GLOVES COATED PALM F LIME S9	PAK	10
GLV77500-10	POLYESTER GLOVES COATED PALM F LIME S10	PAK	10
GLV77500-11	POLYESTER GLOVES COATED PALM F LIME S11	PAK	10

POLYESTER GLOVES COATED BLACK



- Black nitrile coated palm and finger tips helps reduce hand fatigue while providing maximum comfort and dexterity
- Seamless machine knit black 100% polyester shell
- Good protection from nuisance nicks and abrasion
- 10 pairs per pack. 200 pairs per carton
- EN388 (3, 1, 2, 2)



Part No.	Description	Unit	Qty
GLV77400-08	POLYESTER GLOVES COATED PALM BLK S8	PAK	10
GLV77400-09	POLYESTER GLOVES COATED PALM BLK S9	PAK	10
GLV77400-10	POLYESTER GLOVES COATED PALM BLK S10	PAK	10
GLV77400-11	POLYESTER GLOVES COATED PALM BLK S11	PAK	10

CUT RESISTANT WORK GLOVES



- 13 gauge HPPE (high pressure polyethylene) glove with PU coated palm and fingertips for excellent grip and cut resistance level 5
- Outstanding dexterity and flexible
- High abrasion, tear resistance and mechanical strength
- 10 pairs per pack. 120 pairs per carton
- EN388 (4, 5, 4, 3)



Part No.	Description	Unit	Qty
GLV78181-08	PU GLOVES COATED CUT 5 GREY S8	PAK	10
GLV78181-09	PU GLOVES COATED CUT 5 GREY S9	PAK	10
GLV78181-10	PU GLOVES COATED CUT 5 GREY S10	PAK	10

WORKPLACE SAFETY ACCESSORIES

GLOVE CLIPS

GLOVES CLIP - YELLOW

Unit: EA Qty: 1



Part No. 93-ILNY

- Attach your gloves, glasses, helmets or towels to the interlock clip
- Dual interlocking jaws with break away holding cord
- Colour: Yellow

BAGS AND POUCHES

LEATHER AXE POUCH LARGE (ENERGEX)

Unit: EA Qty: 1



Part No. 002134-AXEP

- Premium quality leather pouch for axe
- Ideal for Linesman
- Designed for Energex
- Fine leather and fittings

CANVAS GLOVE BAG SINGLE

Unit: EA Qty: 1



Part No. 0021-1

- For storage of electrical gloves and accessories
- Single compartment
- Hook and loop grip closure and durable canvas
- Fits Class 00-1 gloves

CANVAS GLOVE BAG 3COMPARTMENT

Unit: EA Qty: 1



Part No. 0021-3

- For storage of electrical gloves and accessories
- Three compartments
- Hook and loop grip/strip closure and durable canvas
- Fits Class 00-1 gloves

CANVAS GLOVE BAG 3COMP (LONG)

Unit: EA Qty: 1



Part No. 0021-3-LONG

- For storage of HV electrical gloves, sleeves and accessories
- Three compartments
- Hook and loop grip/strip closure and durable canvas
- Fits Class 00-4 gloves and sleeves

POLE BAG CANVAS

Unit: EA Qty: 1



Part No. 0021-POLE

- Durable canvas pole bag for line workers
- 20kg SWL rated rope handle
- Multiple compartments and made from durable canvas
- Waterproof base/floor

PPE BAG BLACK CANVAS 650MM

Unit: EA Qty: 1



Part No. 0021PPE650

- Durable black canvas PPE gear bag
- 650mm long
- Durable, fade resistant black canvas with zip
- Triple stitched handles

PPE BAG BLACK CANVAS 900MM

Unit: EA Qty: 1



Part No. 0021PPE900

- Durable black canvas PPE gear bag
- 900mm long
- Durable, fade resistant black canvas with zip
- Triple stitched handles

SAFETY (PPE)

SAFETY HELMET BAG

Unit: EA Qty: 1



Part No. 0066-HB

- Protective helmet and gear bag for face shield and other sensitive safety equipment
- Soft protective lining
- Padded - three compartments
- Sturdy canvas material

HI VIS SITE 34L BACKPACK OR

Unit: EA Qty: 1



Part No. CARI118020

- High visibility site backpack with reflective Air Flow padded harness
- Hip belt and lumbar support
- Twin main compartment design
- Fold over safety panel flap

HI VIS SITE 34L BACKPACK YL

Unit: EA Qty: 1



Part No. CARI11803Y

- High visibility site backpack with reflective Air Flow padded harness
- Hip belt and lumbar support
- Twin main compartment design
- Fold over safety panel flap

HI VIS PPE INDUSTRIAL 32L BACKPACK

Unit: EA Qty: 1



Part No. CARI6476

- Heavy-duty high visibility 32L backpack
- Bio-form harness system, utility hip belt and sternum strap
- Front panel stash pocket
- Hydration compatible

HEAVY DUTY INDUSTRIAL 34L BACKPACK

Unit: EA Qty: 1



Part No. CARI6478

- Heavy-duty, high visibility industrial backpack with padded Action Back Extreme harness system
- Ventilated air mesh back system
- Reinforced padded shoulder straps with sternum strap
- Hydration compatible - hydration sleeve and reservoir attachments

CONSUMABLES

GLOVE TALC 100G

Unit: EA Qty: 1



Part No. 0581-100

- Talcum powder for use with electrical insulating gloves - absorbs sweat and keeps sanitary levels high
- 100% talc
- Supplied in easy to use bottle

SPILL KITS

GENERAL PURPOSE TRUCK SPILL KIT

Unit: EA Qty: 1

**Part No. MSS-SKGPT**

- Designed to recover coolants, solvents, oils, degreasers, blood and water (not aggressive acids)
- Envirosorb recovers up to 20x its own weight in oil
- Supplied in a 'safety yellow' water resistant carry bag
- Suitable for small liquids that require a spill kit t

FUEL & OIL SPILL KIT IN BAG - 21 LTR

Unit: EA Qty: 1

**Part No. MSS-SKHMT**

- Designed for those who transport general liquids of a non-dangerous type
- Polypropylene - recovers up to 20 times its own weight in liquid
- Includes UV resistant label and operating instructions
- Supplied in a yellow canvacon bag

SAFETY LIGHTING EQUIPMENT**TORCHES**

EVEREADY TORCH

Unit: EA Qty: 1

**Part No. 1018TORCH**

- EVEREADY battery operated torch with LED Technology
- Longer run time
- Brilliant beam

CAR EMERGENCY TORCH

Unit: EA Qty: 1

**Part No. 01018CARTORCH**

- Emergency car torch with buzzer and flashing emergency lights
- Magnet
- Seatbelt cutter

FIRE FIGHTING EQUIPMENT**FIRE EXTINGUISHERS**

- Fire extinguisher with hose - for multiple applications
- ABE Powder type
- Suitable for cars and buildings
- Certified and Approved to AS/NZS 1841.5



Part No.	Description	Unit	Qty
01014EX1.0	FIRE EXTINGUISHER 1KG ABE	EA	1
01014EX1.0-HOSE	FIRE EXTINGUISHER 1KG ABE HOSE	EA	1
01014EX2.5	FIRE EXTINGUISHER 2.5KG ABE	EA	1
01014EX4.5	FIRE EXTINGUISHER 4.5KG ABE	EA	1
01014EX6.0	FIRE EXTINGUISHER 6.0KG ABE	EA	1
01014EX9.0	FIRE EXTINGUISHER 9.0KG ABE	EA	1

SAFETY (PPE)

FIRE EXTINGUISHER MOUNTING BRACKETS

VEHICLE MOUNT BRACKET FOR 2.5 TO 4.5KG

Unit: EA Qty: 1



Part No. 01014EX4.5-VMB

- Heavy-duty vehicle mounting bracket for fire extinguishers
- Minimum size - 2.5kg
- Maximum size - 4.5kg
- Steel reinforced - strong

VEHICLE MOUNT BRACKET FOR 6.0 TO 9KG

Unit: EA Qty: 1



Part No. 01014EX9.0-VMB

- Heavy-duty vehicle mounting bracket for fire extinguishers
- Minimum size - 6kg
- Maximum size - 9kg
- Steel reinforced - strong

FIRE BLANKETS

FIRE BLANKET 1.2M X 1.8M

Unit: EA Qty: 1



Part No. 01014-FB

- Fire blanket also available in the LV Rescue Kit
- Dimensions: 1.2x1.8m
- Manufactured to meet AS/NZS 3504:2006

FIRE SAFETY

REGA 16 LITRE FIRE FIGHTING KNAPSACK

Unit: EA Qty: 1



Part No. MSS-100619

- Knapsack with double action hand pump, storing 16 litres of water for putting out spot fires with an adjustable nozzle, jet/variable fan spray
- Tough, lightweight, high density UV stabilised polythene knapsack
- Adjustable shoulder straps with padding
- Meets AS1687 requirements of Knapsack Spraypumps for Firefighting
- Vehicle bracket and red canvas cover also available

REGA RED CANVAS COVER

Unit: EA Qty: 1



Part No. MSS-1323

- Red canvas cover for the REGA fire fighting backpack (Part No. MSS-100619)
- Backpack contains a hand pump storing 16 litres of water
- Stored on all utility vehicles
- Vehicle bracket also available

REGA KNAPSACK VEHICLE BRACKET

Unit: EA Qty: 1



Part No. MSS-KS-ACC-P3-CB

- Vehicle bracket for the REGA fire fighting backpack (Part No. MSS-100619)
- Backpack contains a hand pump storing 16 litres of water
- Stored on all utility vehicles
- Red canvas backpack cover also available

FIRE SAFETY

FIRE FIGHTING RAKE HOE

Unit: EA Qty: 1

**Part No. MSS-100942**

- Hardened blade and rake
- Perfect for creating fire breaks and clearing foliage
- Strong and durable

FIRST AID KITS**EXTREME SAFETY FIRST AID**

FIRST AID KIT SMALL

Unit: EA Qty: 1

**Part No. 010104KSML**

- Compact First Aid Kit suitable for home or office
- Small and compact
- Can be attached to a belt
- Zip closure

FIRST AID KIT - R2 ELECTRICAL WORK

Unit: EA Qty: 1

**Part No. 010104EWFAK**

- Specially designed for electrical workers with specific contents to assist with attending to injuries sustained in the electrical industry
- Conforms to most standards required by Energy providers
- Add 010104EWFAM Module for compliance with ISSC14 guidelines
- Supplied with soft pack and wall mount bracket

FIRST AID MODULE -ELECTRICAL WORK ISSC14

Unit: EA Qty: 1

**Part No. 010104EWFAM**

- First Aid Module - Electrical Worker ISSC14 for compliance with ISSC14 guidelines for electrical workers
- Contains valuable items such as Hydrogel Burns Face Dressing
- Module slots neatly inside the R2 Electrical Workers Soft Pack

FIRST AID HINTS BOOKLET

Unit: EA Qty: 1

**Part No. 010104-FAHINTS**

- Handy hints for First Aid
- CPR instructions
- Ideal size for glove box or tool box

MULTI TRAUMA DRESSING 25.4X76.2CM

Unit: EA Qty: 1

**Part No. 01011-MTD**

- WARNING: Never use dressings other than multi trauma dressings to treat burns
- Supplied in LV Rescue Kit for burns treatment
- Use: Treating burns (including electrical burns)
- Size: 25.4x76.2cm

SAFETY (PPE)

CONTRACTOR VAN SAFETY PACK

Unit: EA Qty: 1



Part No. EXTCVSPK

- The ideal safety starter pack for all trades
- Pack contains: Low Voltage Switchboard Rescue Kit
- Personal Lockout Kit
- EPDM Low Voltage Rubber Mat 650V and bag
- Fire Extinguisher 1kg ABE Powder Type

MSS FIRST AID

FIRST AID KIT - GLOVE BOX

Unit: EA Qty: 1



Part No. MSS-JBGBK

- Glove box sized First Aid kit packed with essential supplies
- Adhesive dressings
- Scissors and tweezers
- Disposable gloves and much more

SNAKE BITE KIT

Unit: EA Qty: 1



Part No. MSS-JBSB

- Essential kit supplied with snake bite First Aid information
- Bandage and thermo foil blanket
- Resuscitation face shield
- Disposable gloves and more

SHARPS KIT

Unit: EA Qty: 1



Part No. MSS-JBSK

- Essential kit supplied with sharps container
- 5 pairs of gloves
- Tongs

HEIGHT SAFETY

HEIGHT SAFETY KITS

ROOFERS SAFETY KIT

Unit: EA Qty: 1



Part No. 17-HS-DLER-BP

- Designed by industry professionals and tested in the field to meet the day to day requirements of roof workers
- High quality, durable components ensuring longevity of service
- Kit includes Hi-Safe full body harness
- Supplied with rope bag



HARNESSES

EWP FALL ARREST HARNESS

Unit: EA Qty: 1



Part No. 17-HS-FH50

- Front and rear free fall arrest attachment points
- Confined space retrieval attachment points
- Fully adjustable, multi size fit
- Breathable rear mesh panel keeps harness shape
- Certified to AS/NZS 1891.1:2007



DURAFLEX HARNESSSES

DURAFLEX HARNESS MED/LARGE

Unit: EA Qty: 1

**Part No. MSS-M1020073**

- Miller Duraflex fall arrest and confined space harness - one size only
- Suitable for working on elevated work platforms and scaffolding
- Includes confined space webbing loops
- Adjustable leg, chest and shoulder straps for a better fit

Honeywell
MILLER

DURAFLEX G & B EWP HARNESS - TYPE 3

Unit: EA Qty: 1

**Part No. MSS-M1020008**

- Miller Duraflex glove and barrier harness designed without any metal hardware above the waist
- Suitable for working at height in live line situations
- Includes confined space loops
- Adjustable leg, chest and shoulder straps for a better fit

Honeywell
MILLER**TOWER HARNESS**

WEBBING HARNESS - LINESMAN - MED

Unit: EA Qty: 1

**Part No. MSS-TOWERWORKER**

- Miller tower worker harness certified to Australian and NZ standards AS/NZS 1891.1-2007
- Frontal fall arrest attachment and confined space loops
- Suitable for elevated work platforms and confined space rescue
- Adjustable leg, shoulder and waist belt straps for better fit

Honeywell
MILLER**REVOLUTION HARNESSSES**

REVOLUTION - TOWER HARNESS - SM - MED

Unit: EA Qty: 1

**Part No. MSS-M1020097**

- Miller Revolution tower harness with frontal fall arrest attachment
- Suitable for tower climbing and confined spaces
- Includes confined space loops
- Adjustable leg, chest and shoulder straps for a better fit

Honeywell
MILLER

REVOLUTION - TOWER HARNESS - MED - LGE

Unit: EA Qty: 1

**Part No. MSS-M1020056**

- Miller Revolution Tower Harness with fully adjustable leg, chest, shoulder and waist belt straps for a better fit
- Certified to AS/NZS 1891.1-2007
- Frontal fall arrest attachment
- Includes label pack for standard labels and inspection record

Honeywell
MILLER**ROOF ANCHORS**

ROOFLOK - TEMPORARY ANCHOR SYSTEM

Unit: EA Qty: 1

**Part No. 17-FWWRF**

- Suitable for corrugated iron or tile roofing
- Full range of motion retained
- Rated at 15kN 'Fall Arrest' for single person use
- Quick installation

FERNO
When It's Critical™

SAFETY (PPE)

ROPE AND ACTION HOOK

ROPE - BLUE 33M WITH DBL HOOK

Unit: EA Qty: 1



Part No. 01001ROPE

- Blue rescue rope for pole top rescue applications
- Length: 33m
- Double action hook



ACCESSORIES

SCAFFOLD HOOK - 64MM OPENING

Unit: EA Qty: 1



Part No. MSS-M1030003

- 64mm opening
- Made from forged alloy steel
- Double acting scaffold hook



LANYARDS

LANYARDS

LANYARD 2M STEEL

Unit: EA Qty: 1



Part No. 17-HS-LYS100

- 2m long fall arrest lanyard with screwgate karabiner
- Energy absorbing section
- Colour: Orange



LANYARD ELASTIC 2M STEEL

Unit: EA Qty: 1



Part No. 17-HS-LYS110EL

- Elastic 2m fall arrest lanyard for height safety use
- Elastic construction keeps the 2m of webbing bunched up
- Avoids trip hazards and messy work space



WEB LANYARDS



- Constructed from 35mm polyester webbing
- Integral compact energy absorber smoothly expands
- 19mm double acting hooks at each end
- Miller by Honeywell



Part No.	Description	Unit	Qty
MSS-L11WEC1.5	WEB LANYARD WITH 6650 HOOKS 1.5M	EA	1
MSS-L11WEC2.0	WEB LANYARD WITH 6650 HOOKS 2M	EA	1

DOUBLE LANYARDS

DOUBLE LANYARD 2M

Unit: EA Qty: 1

Honeywell
MILLER**Part No. MSS-LD18SEC2.0**

- Miller energy absorbing double webbing lanyard
- Featuring an elastic inner core
- Will not drag on ground when not in use
- Length: 2m

**STRETCHTOP LANYARDS**

- Miller energy absorbing stretchtop lanyard
- Featuring an elastic inner core
- Will not drag on ground when not in use

Honeywell
MILLER

Part No.	Description	Unit	Qty
MSS-L11SEC1.5	STRETCHTOP LANYARD WITH 6650 HOOK 1.5M	EA	1
MSS-L11SEC2.0	STRETCHTOP LANYARD WITH 6650 HOOK 2M	EA	1

POLESTRAPS AND KARABINERS**POLE STRAPS**

- The Miller pole strap range is fully adjustable allowing for various work positioning applications
- Pole strap adjuster located on the hook - change length easily
- Equipped with protective sleeve to maintain life of the strap
- Certified to AS/NZS 1891.1-2007

Honeywell
MILLER

Part No.	Description	Unit	Qty
MSS-136.1S	WEB POLE STRAP 1.8M WITH 6650 HOOKS	EA	1
MSS-138.1S	WEB POLE STRAP 2.4M WITH 6650 HOOKS	EA	1
MSS-139.1S	WEB POLE STRAP 2.7M WITH 6650 HOOKS	EA	1

POLE STRAPS

FERNO POLE STRAP

Unit: EA Qty: 1

FERNO
When it's Critical®**Part No. 17-VAIPOLEEN22.3NZ**

- 2.4m adjustable pole strap with double action hooks
- Colour: Black
- Approved to Australian Standards



SAFETY (PPE)

KARABINERS

ALLOY STEEL KARABINER - 16MM OPENING

Unit: EA Qty: 1

Honeywell
MILLER



Part No. MSS-501

- Karabiner with 16mm opening
- Made from forged steel
- Featured a screw gate
- 22kN strength



KARABINER DOUBLE ACTING - 3500KG - 65MM

Unit: EA Qty: 1

Honeywell
MILLER



Part No. MSS-502

- Karabiner with 65mm opening
- Made from drop forged alloy
- Double action - twist to open
- 35kN strength



TRIPLE ACTING KARABINER - 3T - 18MM GATE

Unit: EA Qty: 1

Honeywell
MILLER



Part No. MSS-91326

- Manufactured from forged steel
- Triple acting
- 30kN strength
- 3 tonne and 4.5 tonne available



TRIPLE ACTING KARABINER - 4.5T

Unit: EA Qty: 1

Honeywell
MILLER



Part No. MSS-91328

- Manufactured from forged alloy steel
- 23mm gate opening / triple acting gate
- 45kN strength in straight pull
- Weight 258g
- Size 126mm x 74mm



LV Switchboard Rescue Kit - Designed for LV Rescue from Switchboards

HEAVY-DUTY VINYL BAG WITH A SHOULDER STRAP

Lightweight but heavy-duty this bag, with high visibility letters featured at the front, is ideally suited to store a rescue kit

FIRE BLANKET

Easy to pull out fire blanket

Size: 1.2 x 1.8m

EVERYDAY BRILLIANT BEAM TORCH

Designed to keep light from shifting when bumped. Built-in hanger ring allows hands-free use

LV RESCUE HOOK (LV - tested to 15kV)

**ISOLATE
HERE
IN
EMERGENCY**

'ISOLATE HERE'
SIGN

BURNS DRESSING

Sterile protective dressing for First Aid applications.

Size: 25.4cm x 76.2cm
(10 x 2.5ft)

FIRST AID BOOKLET

A basic information booklet covering the management of common injuries in line with accepted best practice protocols.

1000V INSULATING GLOVES

Insulating Gloves Class 0 (1000V)

Part No.	Description
01002-LVSK	LV Switch Rescue Kit
01002DVD	LV Rescue Instructional DVD (DVD only)
01002-LVSK-AS	LV Switchboard Rescue Kit With AS2225 Gloves

MAINTAIN A SAFE WORK ENVIRONMENT. WE RECOMMEND REGULAR 6 MONTH HV TESTING OF THESE PRODUCTS. CONTACT US FOR INFORMATION ON TESTING.

SAFETY (PPE)

RESCUE KITS

RESCUE KITS

LV SWITCHBOARD RESCUE KIT

Unit: EA Qty: 1



Part No. 01002-LVSK

- Designed for workers in the electrical industry - LV rescue from switchboards, suitable for up to 1000V
- Suitable for all states in Australia
- Fire blanket manufactured to AS/NZS 3504
- Insulating gloves are compliant and tested to IEC 60903

LV SWITCHBOARD RESCUE KIT ORANGE

Unit: EA Qty: 1



Part No. 01002-LVSK-OR

- Designed for workers in the electrical industry - LV rescue from switchboards, suitable for up to 1000V
- Suitable for all states in Australia
- Fire blanket manufactured to AS/NZS 3504
- Insulating gloves are compliant and tested to IEC 60903

LV RESCUE DVD

Unit: EA Qty: 1



Part No. 01002DVD

- Low voltage switchboard rescue instructional DVD, detailing how to use a LV Rescue Kit
- 10 minute duration
- DVD format - great training aid

HV RESCUE KIT CLASS 2 17KV

Unit: EA Qty: 1



Part No. 01002HV-C2

- Designed for switchboard rescue above 1000V
- Suitable for all states in Australia
- Including AusGrid and AusGrid contractors
- 1 pair of 17000 volt class 3 insulating gloves tested to IEC60903
- Fire blanket manufactured to AS/NZS 3504

HV RESCUE KIT

Unit: EA Qty: 1



Part No. 01002HV

- Designed for switchboard rescue above 1000V
- Suitable for all states in Australia
- Suitable for AusGrid or AusGrid contractors
- 1 pair of 26500 volt class 3 insulating gloves tested to IEC60903
- Fire blanket manufactured to AS/NZS 3504

POLE TOP RESCUE KIT

Unit: EA Qty: 1



Part No. 01001-PRK

- Designed for pole top rescue of electrical workers
- Supplied in a bright yellow fibreglass box
- Kit contains safety rope, snap hooks, body belt and more
- Rescue rope is manufactured to meet the requirements of ASNZS1891
- Insulating gloves are compliant and tested to IEC 60903

LV POLE TOP RESCUE KIT COMPLETE

Unit: EA Qty: 1



Part No. MSS-PTR-KIT1

- Suitable for use in NSW on all pole top electrical installations
- Kit includes rope, descender device, pole strap and pole belt
- Knife and cutters also supplied
- 1000V Insulating gloves are compliant and tested to AS2225
- Rope, descender, pole strap and pole belt comply with AS/NZS 1891

RESCUE KIT COMPONENTS

LOW VOLTAGE - RESCUE HOOK

Unit: EA Qty: 1



Part No. 01015-LV-RH

- Insulated hook for low voltage rescue
- Nylon construction
- Type tested to 15kV
- Designed for easy rescue

HIGH VOLTAGE - RESCUE HOOK 1.7M

Unit: EA Qty: 1



Part No. HVRC1.7

- Durable PVC construction
- Type Tested to 50,000V
- Safety hand guard
- Length: 1.7m

ISOLATE SIGN

Unit: EA Qty: 1



Part No. 1016-IS

- Should be hung at isolation switch before beginning any work live or near live parts
- Designed for identifying isolation point
- Strong and durable

YELLOW RESCUE BAG - LV (BAG ONLY)

Unit: EA Qty: 1



Part No. 01010-YRB

- Bag for LV Rescue Kit
- Durable vinyl material
- Available in orange or yellow colour
- Reflective print

YELLOW RESCUE BAG HV

Unit: EA Qty: 1



Part No. 01010-YRB-HV

- Waterproof and heavy-duty HV rescue bag
- Colour: Fluorescent yellow
- Reflective writing

SAFETY (PPE)

BODY BELT FOR RESCUE KIT

Unit: EA Qty: 1



Part No. 17-VAIPOLEBELT

- Designed for use with pole top rescue kit
- For rescue application ONLY
- D-shackles for pole strap attachment
- Adjustable size

TRAFFIC CONTROL EQUIPMENT

ROAD SAFETY KITS

ROAD SAFETY KIT

Unit: EA Qty: 1



Part No. 010102-RSK

- First Aid Kit and collapsible traffic cones
- Riggers gloves
- Glow Sticks and Hi Vis vest
- Hand wipes and vehicle torch

TRAFFIC CONES



- Patented collapsible traffic cone designed for applications where storage space is at a premium
- Day/night reflective strips
- Collapsible into flat base
- Includes flashing safety light



Part No.	Description	Unit	Qty
17PORTA450	PORTACONE 450MM	EA	1
17PORTA700	PORTACONE 700MM	EA	1

LOCKOUT TAGOUT

LOCKOUT KITS

LOCKOUT COMBO CB 5 OFF

Unit: EA Qty: 1



Part No. ULO-ES-CBF-COMBO5

- Handy 5 pack of various circuit breaker lockout devices
- Suits most circuit breakers on the market
- Large industrial breakers through to small mini toggle breakers

BASIC LOCKOUT KIT

Unit: EA Qty: 1



Part No. ULO-01000

- Basic lockout kit perfect for electrical contractors - includes 2x Mini CB / Residential Lockouts and 1x Industrial Lockout
- 1x Dielectric Hasp and 2x Non-Conductive Locks
- 10x Lockout tags and pen

PERSONAL LOCKOUT KIT

Unit: EA Qty: 1



Part No. ULO-02000

- The best and most economical lockout kit in the range
- Useful and good quality lockout/tagout equipment
- Meets most lockout/tagout needs
- Accessories available

LOCKOUT KIT - PREMIER

Unit: EA Qty: 1



Part No. ULO-ES-EP01

- Contains a wide range of lockout devices and products to suit almost any application
- 10x circuit breaker lockouts and 3x hasps
- 2x locks, 10x tags and more

LOCKOUT KIT - INDUSTRY LARGE

Unit: EA Qty: 1



Part No. ULO-ES-EP02

- Contains a massive selection of lockout products
- Supplied in a large carry bag
- Various locks, CB lockouts, tags and hasps
- Includes various other items

LOCKOUT STATION SMALL

Unit: EA Qty: 1



Part No. ULO-ES-810-Y

- Lockout station designed to cover the lockout needs of up to 5 people
- Wall mounted
- Can accommodate 5x locks, 3x hasps and 10x tags

LOCKOUT 5 STN 5LOCKS 3HASP 10TAGS KIT

Unit: EA Qty: 1



Part No. ULO-ES-5L-2P-Y

- Lockout station designed to cover the lockout needs of up to 5 people
- Wall mounted
- 5x locks, 3x hasps and 10x tags

LOCKOUT 10 STN 10LOCKS 4HASP 10TAGS KIT

Unit: EA Qty: 1



Part No. ULO-ES-10L-1P-Y

- Lockout station designed to cover the lockout needs of up to 10 people
- Wall mounted
- 10x locks, 4x hasps and 10x tags

LOCKOUT 20 STN 15LOCKS 7HASP 20TAGS KIT

Unit: EA Qty: 1



Part No. ULO-ES-20L-2P-Y

- Lockout station designed to cover the lockout needs of up to 20 people
- Wall mounted
- 15x Locks, 7x hasps and 20x tags

SAFETY (PPE)

LOCKOUT TAGS

DO NOT OPERATE TAG LAMINATED EACH

Unit: EA Qty: 1



Part No. ULO-ES-TAG

- Lockout/tagout identification tag - double sided
- Do Not Operate label on one side
- Ownership label on other side
- Laminated and reusable

DO NOT OPERATE TAGS CARDBOARD PK 10

Unit: EA Qty: 1



Part No. ULO-ES-ST08

- Lockout/tagout identification tag - double sided
- Do Not Operate label on one side
- Ownership label on other side
- Disposable cardboard

DO NOT OPERATE TAG 10PK

Unit: EA Qty: 1



Part No. ULO-ES-TAGS149

- Pack of 10 lockout/tagout identification tags - double sided
- Do Not Operate label on one side
- Ownership label on other side
- Reusable laminated

T-0009 LOCKOUT TAG - MEN WORKING

Unit: EA Qty: 1



Part No. U010109

- Lockout/Tagout ID Tags
- Double sided
- Pack of 5

T-10 LOCKOUT TAG-HANDS OFF DO NO OP PK5

Unit: EA Qty: 1



Part No. U010110

- Lockout/Tagout ID Tags
- Double sided
- Pack of 5

T-41 LOCKOUT TAG - DO NOT OPERATE PK5

Unit: EA Qty: 1



Part No. U010141

- Lockout/Tagout ID Tags - Double sided
- Do Not Operate on one side and Ownership label on the other
- Pack of 5

T-0001 LOCKOUT TAG EQUIP LOCKED OUT PK

Unit: EA Qty: 1

**Part No. U010101**

- Lockout/Tagout ID Tags
- Double sided
- Pack of 5

T-0005 LOCKOUT TAG - OUT OF SERVICE PK5

Unit: EA Qty: 1

**Part No. U010105**

- Lockout/Tagout ID Tags
- Double sided
- Pack of 5

T-44 LOCKOUT TAG MAINTENANCE DEPT PK5

Unit: EA Qty: 1

**Part No. U010144**

- Lockout/Tagout ID Tags
- Double sided
- Pack of 5

LOCKOUT ACCESSORIES

LOCKOUT BAG (EMPTY)

Unit: EA Qty: 1

**Part No. ULO-ES-LE-POUCH**

- Quality zip pouch
- Large enough to hold basic lockout essentials
- For the electrical contractor

DNOB HOOKS

Unit: EA Qty: 1

**Part No. ULO-SDNOB**

- Nylon weighted visual lockout indication device
- For OH lines only
- To be applied if service fuse is pulled
- Durable yellow nylon

LOCKOUTS

CB LOCKOUT MINI YELLOW

Unit: EA Qty: 1

**Part No. ULO-1-MCB**

- Universal circuit breaker lockout device used to lockout any small, mini or residential sized circuit breakers
- Universal fit to suit most CB's you will come across in the field
- Dimensions: 25 x 10 x 45mm
- Features a Danger label
- Colour: Yellow

SAFETY (PPE)

CB LOCKOUT MINI ALUMINIUM

Unit: EA Qty: 1



Part No. ULO-2-MCB

- Will lock out most types of miniature circuit breakers
- 24 x 17 x 8mm (H x W x D) with 8mm padlock hole
- Made for Anodised Aluminium
- Lock out 1 - 4 pole circuit breakers

PINS CIRCUIT BREAKER LOCK

Unit: EA Qty: 1



Part No. ULO-PINCOMBO-CBL

- Push button installation - does not require any tools
- A padlock should be applied to lock out the MCB
- Nylon plastic with metal jaws

CB LOCKOUT MINI UNI BLUE

Unit: EA Qty: 1



Part No. ULO-1-UMCBB

- Will lock out most types of moulded case circuit breakers
- Lock out 1 - 4 pole circuit breakers
- Made from durable plastics
- Dimensions: 51 x 25 x 23cm wide
- 8mm padlock hole - maximum clamping 13mm

CB LOCKOUT MINI GREEN

Unit: EA Qty: 1



Part No. ULO-1-MCBG

- Lock out single pole circuit breakers
- Made from durable plastics
- Dimensions: 44 x 25 x 10cm wide
- 8mm padlock hole - maximum clamping 13mm

CB LOCKOUT MED RED

Unit: EA Qty: 1



Part No. ULO-1-ES-UBL

- Universal circuit breaker lockout device used to lockout medium or industrial sized circuit breakers
- Universal fit to suit most CB's you will come across in the field
- Dimensions: 25 x 20 x 55mm
- Features a Danger label

CB LOCKOUT MINI UNI RED

Unit: EA Qty: 1



Part No. ULO-1-UMCBR

- Universal lockout device for fuse holders
- One size will lock out most fuse holders 20Amp to 400Amp
- Made from durable plastics
- Dimensions: 60 x 35 x 15cm wide
- 8mm padlock hole - maximum clamping 5mm

CB LOCKOUT LARGE UNI RED

Unit: EA Qty: 1

**Part No. ULO-1-ULCBR**

- Will lock out most types of large circuit breakers with a toggle
- Lock out 1 - 4 pole circuit breakers
- Made from durable plastics
- Dimensions: 125 x 63 x 40mm wide
- 8mm padlock hole - Clamping toggle 12 - 19mm

LOCKOUT CIRCUIT BREAKER LGE ROUND HANDLE

Unit: EA Qty: 1

**Part No. ULO-ES-LCBR**

- Locks out a wide range of three phase circuit breakers
- Fits on a lever of a circuit breaker up to 75mm wide 22mm thick
- Easy to secure to large circuit breakers
- Easy installation: Simply turn the screw into the circuit breaker
- Handle and add your own padlock and tag after fitting it properly

LOCKOUT ADJUSTABLE GATE VALVE

Unit: EA Qty: 1

**Part No. ULO-ES-AGV**

- Universal and fully adjustable gate / screw valve lockout device
- Fits a wide range of gate valves - universal fit
- Colour: Red
- Features a Danger label

CABLE LOCKOUT 2M (STEEL CABLE)

Unit: EA Qty: 1

**Part No. ULO-ES-PMC-2C**

- Universal and fully adjustable cable lockout fits many different items and can be used for almost anything
- 2m steel cable
- Colour: Red
- Features a Danger label

LOCKOUT MULTIPURPOSE STAINLESS

Unit: EA Qty: 1

**Part No. ULO-ES-MMCL**

- Handy stainless steel lockout to suit various applications
- Widely adaptable to suit many lockout requirements
- Strong and durable stainless steel construction

PLUG & HOSE LOCKOUT

Unit: EA Qty: 1

**Part No. ULO-CLO-E**

- Fantastic appliance or hose lockout solution for locking out inactive or decommissioned machinery
- Quick and easy application
- Ownership and Danger label

SAFETY (PPE)

LOCKOUT GAS BOTTLE GREEN FULL

Unit: EA Qty: 1



Part No. ULO-ES-CLO-GRNFULL

- Universal gas bottle lockout device designed to fit the tops of most gas bottles
- Green base to indicate 'full'
- Green 'full' label
- Colour: Yellow

LOCKOUT GAS BOTTLE RED EMPTY

Unit: EA Qty: 1



Part No. ULO-ES-CLO-RDEMPTY

- Universal gas bottle lockout device designed to fit the tops of most gas bottles
- Red base to indicate 'empty'
- Red 'empty' label
- Colour: Yellow

LOCKOUT LPG GAS BOTTLE

Unit: EA Qty: 1



Part No. ULO-ES-GVCL

- Small gas valve style lockout, suitable to lockout any small portable gas bottle (with gate valve)
- Nylon construction
- Colour: Red
- Danger/Ownership label

LOCKOUT PNEUMATIC LARGE

Unit: EA Qty: 1



Part No. ULO-ES-LPLO

- For cables, air lines or pneumatic devices
- Sturdy nylon body construction
- Designed to lockout and avoid use of pneumatic devices
- Use in conjunction with lockout padlock

LOCK BOX METAL

Unit: EA Qty: 1



Part No. ULO-ES-GLBLOCKBOX

- For group lockout work
- Red colour - easy identifiable
- Multiple lockout loops for multi-use systems

HASPS

DIELECTRIC HASPS 3 LOCK

Unit: EA Qty: 1



Part No. ULO-ES-EHASP33

- All nylon lockout hasp
- Fits up to 3 locks
- Non-sparking and non-conductive
- Lightweight and durable

DIELECTRIC HASPS 6 LOCK

Unit: EA Qty: 1



Part No. ULO-ES-EHASP66

- All nylon lockout hasp
- Fits up to 6 locks
- Non-sparking and non-conductive
- Lightweight and durable

DIELECTRIC HASPS YELLOW (PAIR)

Unit: EA Qty: 1



Part No. ULO-ES-HASPPREMIUM

- Padlock style suitable for up to 4 locks
- Includes 2x hasps (1x thin shackle, 1x thick)
- Features a Danger label

LOCKOUT HASP VINYL COATED

Unit: EA Qty: 1



Part No. ULO-ES-SLH-42

- Traditional style lockout/tagout hasp for up to 6 locks
- Nylon body and vinyl coated
- Scissor mechanism
- Anti-corrosion

LOCKOUT STEEL PADLOCK LONG SHAKLE

Unit: EA Qty: 1



Part No. ULO-ES-PLS3

- Lockout padlock with all metal construction for extra strength and durability
- Steel body and shackle
- Danger label
- Ownership label

PADLOCK STEEL



- Set of 5 padlocks with steel shackle and master key - all locks are keyed differently and are supplied with a master key
- Supplied with a glow-in-the-dark 'Danger' label
- All nylon body

Part No.	Description	Unit	Qty
ULO-ES-PLSPKDM5BKS	STEEL SHACKLE PADLOCK BLACK MK 5	EA	1
ULO-ES-PLSPKDM5ORS	STEEL SHACKLE PADLOCK ORANGE MK 5	EA	1
ULO-ES-PLSPKDM5RDS	STEEL SHACKLE PADLOCK RED MK 5	EA	1
ULO-ES-PLSPKDM5BLS	STEEL SHACKLE PADLOCK BLUE MK 5	EA	1
ULO-ES-PLSPKDM5GNS	STEEL SHACKLE PADLOCK GREEN MK 5	EA	1
ULO-ES-PLSPKDM5YLS	STEEL SHACKLE PADLOCK YELLOW MK 5	EA	1

SAFETY (PPE)

PADLOCK NYLON SINGLE



- Dielectric padlock for lockout use
- Nylon body and shackle
- Metal barrel



Part No.	Description	Unit	Qty
ULO-ES-DEL-KD-BLUE	DIELECTRIC LOCK NYLON - BLUE	EA	1
ULO-ES-DEL-KD-GN	DIELECTRIC LOCK NYLON - GREEN	EA	1
ULO-ES-DEL-KD-OR	DIELECTRIC LOCK NYLON - ORANGE	EA	1
ULO-ES-DEL-KD-RED	DIELECTRIC LOCK NYLON - RED	EA	1
ULO-ES-DEL-KD-YEL	DIELECTRIC LOCK NYLON - YELLOW	EA	1

PADLOCK KEYED ALIKE



- Lockout padlock with all nylon construction for use in all areas
- Nylon body and shackle
- Metal barrel



Part No.	Description	Unit	Qty
ULO-ES-DEL-KA-BL	DIELECTRIC PADLOCK KEY ALIKE - BLUE	EA	1
ULO-ES-DEL-KA-GN	DIELECTRIC PADLOCK KEY ALIKE - GREEN	EA	1
ULO-ES-DEL-KA-OR	DIELECTRIC PADLOCK KEY ALIKE - ORANGE	EA	1
ULO-ES-DEL-KA-RD	DIELECTRIC PADLOCK KEY ALIKE - RED	EA	1
ULO-ES-DEL-KA-YL	DIELECTRIC PADLOCK KEY ALIKE - YELLOW	EA	1

EXT PADLOCK NYLON 5 PIECE SET



- Set of 5 dielectric locks
- Locks are keyed differently and are supplied with a master key
- Supplied with a glow-in-the-dark 'Danger' label
- All nylon body and shackle



Part No.	Description	Unit	Qty
ULO-ES-PLSPKDM5BLK	DIELECTRIC LOCK BLACK MK 5	EA	1
ULO-ES-PLSPKDM5BLU	DIELECTRIC LOCK BLUE 2 MK 5	EA	1
ULO-ES-PLSPKDM5GN	DIELECTRIC LOCK GREEN 2 MK 5	EA	1
ULO-ES-PLSPKDM5OR	DIELECTRIC LOCK ORANGE 2 MK 5	EA	1
ULO-ES-PLSPKDM5RD	DIELECTRIC LOCK RED 2 MK 5	EA	1
ULO-ES-PLSPKDM5YEL	DIELECTRIC LOCK YELLOW 2 MK 5	EA	1

EXT PADLOCK NYLON 10 PIECE SET



- Set of 10 dielectric keyed alike padlocks
- Padlocks share the same key cut, making keys interchangeable
- Supplied with a glow-in-the-dark 'Danger' label
- All nylon body and shackle



Part No.	Description	Unit	Qty
ULO-ES-PLSPKAM10BK	DIELECTRIC LOCK SET OF 10 BK	EA	1
ULO-ES-PLSPKAM10GN	DIELECTRIC LOCK SET OF 10 GN	EA	1
ULO-ES-PLSPKAM10OR	DIELECTRIC LOCK SET OF 10 OR	EA	1
ULO-ES-PLSPKAM10RD	DIELECTRIC LOCK SET OF 10 RD	EA	1
ULO-ES-PLSPKAM10YE	DIELECTRIC LOCK SET OF 10 YE	EA	1

INSULATING MATS AND COVERS

LOW VOLTAGE MATS

EPDM LV RUBBER MAT 650V 1MX1MX6MM

Unit: EA Qty: 1



Part No. 01004-CLASSAE

- Low voltage heavy-duty and general purpose
- 1000 x 1000mm in size - 6mm thickness
- Rated to 650V
- EPDM material for added durability and flexibility

EPDM LV RUBBER MAT 650V 1MX6MM PER MM

Unit: MM Qty: 1



Part No. 01004-CLASSAE-ROLL

- Low voltage heavy-duty and general purpose
- 1000 wide and 6mm thick
- Rated to 650V
- EPDM material for added durability and flexibility

LV RUBBER MAT KIT CLASS A

Unit: EA Qty: 1



Part No. 01004-CLASSA-KIT

- Kit includes: LV Rubber Mat 650V 1000mm2 x 6mm (01004-CLASSAE), Mat Bag (0021-MAT) and Mat Strap (01003-STRAP)
- 650V heavy-duty and general purpose insulating mat
- Waterproof canvas carry bag for electrical mats
- Handy strap to keep rubber insulated mats rolled up

HIGH VOLTAGE MATS

EPDM HV RUBBER MAT 17KV 1M SQR X 6.5MM

Unit: EA Qty: 1



Part No. 01004HVE

- Heavy-duty for indoor or outdoor use
- Dimensions: 1 x 1m with a 6.5mm thickness
- Rated to 17kV
- EPDM material for added durability and flexibility



HV RUBBER MAT 36KV 1000X1000X12MM

Unit: EA Qty: 1



Part No. 01006-12

- Premium quality high voltage rubber insulated floor mat - highly flexible
- Dimensions: 1 x 1m with a 12mm thickness
- Rated to 36kV
- Tested and Approved



EPDM HV RUBBER MAT 17KV 1MX6MM PER MM

Unit: MM Qty: 1



Part No. 01004HVE-ROLL

- Heavy-duty for indoor or outdoor use
- Rated to 17kV
- Cut to size up to 10 metres (1000mm wide)



SAFETY (PPE)

EPDM HV RUBBER MAT 36KV 1MX1MX10MM

Unit: EA Qty: 1



Part No. 01006-12E

- Premium quality high voltage rubber insulated floor mat - highly flexible
- Dimensions: 1 x 1m with a 12mm thickness
- Rated to 36kV
- Tested and Approved
- EPDM material for added durability and flexibility

BUSBAR MAT - 300 X 1000MM W MAGNET

Unit: EA Qty: 1



Part No. 01006300X1000MAG

- Protects against accidental and direct contact with live parts
- Standard: IEC 61112 Live Working - Electrical Insulating Blankets
- Class 0 1000 Volts
- Colour: Transparent

BUSBAR MAT - 600 X 1000MM W MAGNET

Unit: EA Qty: 1



Part No. 01006600X1000MAG

- Protects against accidental and direct contact with live parts
- Standard: IEC 61112 Live Working - Electrical Insulating Blankets
- Class 0 1000 Volts
- Colour: Transparent

BUSBAR MAT CLASS 0 - 600 X 1000MM

Unit: EA Qty: 1



Part No. 01006600X1000

- Suitable for partitioning off live parts
- 600x1000mm - 1mm thickness
- 500V rated
- Colour: Clear

BUSBAR MATS



- Suitable for partitioning off live parts
- 300x300mm - 1mm thickness
- 1000V Rated
- Colour: Clear



Part No.	Description	Unit	Qty
01006300X300	BUSBAR MAT CLASS 0 - 300 X 300MM	EA	1
01006300X600	BUSBAR MAT CLASS 0 - 300 X 600MM	EA	1
01006600X600	BUSBAR MAT CLASS 0 - 600 X 600MM	EA	1

ACCESSORIES

MAT BAG

Unit: EA Qty: 1



Part No. 0021-MAT

- Waterproof canvas carry bag for electrical mats
- Fits all Extreme Safety rubber mats
- Durable canvas with triple stitched handles
- Hook and loop grip/strip closure

MAT STRAP

Unit: EA Qty: 1



Part No. 01003STRAP

- Handy strap to keep rubber insulated mats rolled up
- Waterproof canvas with hook and loop grip/strip fastening
- Easy to use

1000V BUSBAR PLASTIC CLIP SMALL 100MM

Unit: EA Qty: 1



Part No. 140179

- Insulated clip for use with busbar mats and curtains
- Colour: Red
- 1000V rated
- IEC Approved



1000V BUSBAR PLASTIC CLIP LGE 200MM

Unit: EA Qty: 1



Part No. 140180

- Insulated clip for use with busbar mats and curtains
- Colour: Red
- 1000V rated
- IEC Approved



OUTER GLOVE SIZING GUIDE

Class of Insulated Glove	Recommended Outer Glove	Recommended Size of Outer Glove
00	0019-size or 0018-size	Insulated Glove size
0	0019-size or 0018-size	Insulated Glove size
1	0020-size	Insulated Glove size + 1/2 size up
2	0020-size	Insulated Glove size + 1 size up
3	0020-size	Insulated Glove size + 2 sizes up
4	0020-size	Insulated Glove size + 3 sizes up

RUBBER GLOVES SIZING GUIDE

Glove sizing is imperative to ensure you maintain comfort and dexterity. Use the following guide to choose the right size for you:

Knuckle Circumference (cm)	Size
20.3	8
22.9	9
25.4	10
27.9	11



EG: For a knuckle circumference of 24cm, you would choose a Size 10.

SAFETY (PPE)

INSULATING GLOVES

650V GLOVES AS2225



- Approved to Australian Standard AS2225
- 650V working voltage
- Available in sizes 9-11

Honeywell



Part No.	Description	Unit	Qty
0588-650-09	650V INS GLOVES AUS STD AS2225 S9	EA	1
0588-650-10	650V INS GLOVES AUS STD AS2225 S10	EA	1
0588-650-11	650V INS GLOVES AUS STD AS2225 S11	EA	1

1000V GLOVES AS2225



- Approved to Australian Standard AS2225
- 1000V working voltage
- 10000V Proof test voltage
- Length: 360mm
- Available in sizes 9-11

Honeywell



Part No.	Description	Unit	Qty
0588-09	1000V INS GLOVES AUS STD AS2225 S9	EA	1
0588-10	1000V INS GLOVES AUS STD AS2225 S10	EA	1
0588-11	1000V INS GLOVES AUS STD AS2225 S11	EA	1

CLASS 00 GLOVES 360MM BEIGE



- 500V and Class 00 Approved
- Approved to IEC60903
- Thin for great dexterity with straight edge cuff
- High quality latex construction

Honeywell



Part No.	Description	Unit	Qty
0583H-09	CLASS 00 INS GLOVE 500V 360MM S9 BEIGE	EA	1
0583H-10	CLASS 00 INS GLOVE 500V 360MM S10 BEIGE	EA	1
0583H-11	CLASS 00 INS GLOVE 500V 360MM S11 BEIGE	EA	1

CLASS 0 GLOVES RUO

1000V INS GLOVES AUS STD S11 RUO

Unit: EA Qty: 1



- Part No. 0588-11-RUO**
- Approved to Australian Standard AS2225
 - 1000V working voltage
 - 10000V Proof test voltage
 - Length: 360mm
 - RUO = Rescue Unit Only

Honeywell



CLASS 0 GLOVES 360MM BEIGE



- 1000V and Class 0 Approved - 360mm long
- Approved to IEC60903
- Thin for great dexterity with straight edge cuff
- High quality latex construction

Honeywell



Part No.	Description	Unit	Qty
0584H-08	CLASS 0 INS GLOVE 1000V 360MM S8 BEIGE	EA	1
0584H-09	CLASS 0 INS GLOVE 1000V 360MM S9 BEIGE	EA	1
0584H-10	CLASS 0 INS GLOVE 1000V 360MM S10 BEIGE	EA	1
0584H-11	CLASS 0 INS GLOVE 1000V 360MM S11 BEIGE	EA	1
0584H-12	CLASS 0 INS GLOVE 1000V 360MM S12 BEIGE	EA	1

CLASS 1 GLOVES 360MM BEIGE

- 7500V and Class 1 Approved
- Approved to IEC60903
- Thin for great dexterity with straight edge cuff
- High quality latex construction

Honeywell

Part No.	Description	Unit	Qty
0585H-09	CLASS 1 INS GLOVE 7500V 360MM S9 BEIGE	EA	1
0585H-10	CLASS 1 INS GLOVE 7500V 360MM S10 BEIGE	EA	1
0585H-11	CLASS 1 INS GLOVE 7500V 360MM S11 BEIGE	EA	1

CLASS 2 GLOVES 360MM BEIGE

- 17000V and Class 2 Approved - 360mm long
- Approved to IEC60903
- Single colour with straight edge cuff
- High quality latex construction

Honeywell

Part No.	Description	Unit	Qty
0586H-09	CLASS 2 INS GLOVE 17000V 360MM S9 BEIGE	EA	1
0586H-10	CLASS 2 INS GLOVE 17000V 360MM S10 BEIGE	EA	1
0586H-11	CLASS 2 INS GLOVE 17000V 360MM S11 BEIGE	EA	1

CLASS 3 GLOVES 360MM BEIGE

- 26500V and Class 3 Approved - 360mm long
- Approved to IEC60903
- Thin for great dexterity with straight edge cuff
- High quality latex construction

Honeywell

Part No.	Description	Unit	Qty
0587H-09	CLASS 3 INS GLOVE 26500V 360MM S9 BEIGE	EA	1
0587H-10	CLASS 3 INS GLOVE 26500V 360MM S10 BEIGE	EA	1
0587H-11	CLASS 3 INS GLOVE 26500V 360MM S11 BEIGE	EA	1

CLASS 4 GLOVES 410MM BEIGE

- 36000V and Class 4 Approved
- Approved to IEC60903
- Thin for great dexterity with straight edge cuff
- High quality latex construction

Honeywell

Part No.	Description	Unit	Qty
0589H-10	CLASS 4 INS GLOVE 36000V 410MM S10 BEIGE	EA	1
0589H-11	CLASS 4 INS GLOVE 36000V 410MM S11 BEIGE	EA	1
0589H-12	CLASS 4 INS GLOVE 36000V 410MM S12 BEIGE	EA	1

CLASS 00 GLOVES 290MM KITS

- Contains all gloves needed for 3 glove working system
- Durable insulating gloves - high quality latex construction
- Supplied with 1 glove bag
- 1 Pair of goat skin outer gloves and 12 pairs cotton inner gloves

extreme safety
PROTECTION FOR LIFE

Part No.	Description	Unit	Qty
0582R-KIT-09	CLASS 00 INS GLOVE KIT 290MM S9	EA	1
0582R-KIT-10	CLASS 00 INS GLOVE KIT 290MM S10	EA	1
0582R-KIT-11	CLASS 00 INS GLOVE KIT 290MM S11	EA	1

SAFETY (PPE)

CLASS 00 GLOVES 360MM KITS



- Contains all gloves needed for 3 glove working system - 500V and Class 00 approved
- Durable insulating gloves - high quality latex construction
- Supplied with 1 glove bag
- 1 Pair of goat skin outer gloves and 12 pairs cotton inner gloves



Part No.	Description	Unit	Qty
0583R-KIT-09	CLASS 00 INS GLOVE KIT 360MM S9	EA	1
0583R-KIT-10	CLASS 00 INS GLOVE KIT 360MM S10	EA	1
0583R-KIT-11	CLASS 00 INS GLOVE KIT 360MM S11	EA	1

INSULATING GLOVE AND MAT TESTING

Extreme Safety can provide a comprehensive service for testing to the relevant Australian or International Standards for insulating gloves and mats used by electrical workers at our testing laboratory.

Low voltage insulating gloves (class 00 – 500V, 650V and class 0 – 1000V) only need a regular check for air leaks, a visual inspection for any holes, tears or wear marks and a routine dielectric test every 12 months.

We recommend a test every 6 months as a general rule if gloves are in continuous use.

No gloves of classes 1, 2, 3 and 4, not even those held in storage, should be used unless they have been tested within a maximum period of six months. The tests consist of air inflation to check for air leaks, a visual inspection while pressurised, and then a



routine dielectric test.

We recommend two pairs of insulating rubber gloves of same voltage class for testing rotation cycle to ensure a pair of electrical gloves are ready to go when you are!

Insulating mats should be stored and handled carefully,

away from sharp tools or other equipment which might cause damage. They should be checked before each use, looking for visual signs of damage such as cuts, tears, perishing, cracking or deterioration. Mats, both in service and stored, should be inspected regularly. Insulating

mats in regular use should be subjected to repeat electrical insulation tests at intervals not exceeding six months.

Part No. **GLOVESTESTING**
Insulated gloves testing per pair

Part No. **MATTESTING**
Insulated mat testing



IT IS OUR RECOMMENDATION THAT INSULATION MATS SHOULD BE STORED FLAT AND IN A COOL DRY AREA

CLASS 0 GLOVES 360MM KITS



- Contains all gloves needed for 3 glove working system - 1000V and Class 0 approved
- Durable insulating gloves - high quality latex construction
- Supplied with 1 glove bag
- 1 pair of goat skin outer gloves and 12 pairs cotton inner gloves



Part No.	Description	Unit	Qty
0584R-KIT-09	CLASS 0 INS GLOVE KIT 360MM S9	EA	1
0584R-KIT-10	CLASS 0 INS GLOVE KIT 360MM S10	EA	1
0584R-KIT-11	CLASS 0 INS GLOVE KIT 360MM S11	EA	1

1000V GLOVES AS2225

- Made from natural rubber specifically formulated to ensure high dielectric properties
- Available in sizes 9-11

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PROTECTION FOR LIFE



Part No.	Description	Unit	Qty
T081657	HVG09 HIGH VOLTAGE GLOVES 1000V S9	EA	1
T081655	HVG10 HIGH VOLTAGE GLOVES 1000V S10	EA	1
T081660	HVG11 HIGH VOLTAGE GLOVES 1000V S11	EA	1

LV GLOVES

- Deco 650V AS2225 approved working gloves insulated for working at up to 650V
- Colour: Orange
- Various sizes available



Part No.	Description	Unit	Qty
MSS-AEO-650-360-8	360MM LV GLOVES S8	EA	1
MSS-AEO650-360-9	360MM LV GLOVES S9	EA	1
MSS-AEO650-360-9.5	360MM LV GLOVES S9.5	EA	1
MSS-AEO650-360-10	360MM LV GLOVES S10	EA	1
MSS-AEO650-360-11	360MM LV GLOVES S11	EA	1

CLASS 2 GLOVES 410MM DUAL

- 17000V and Class 2 Approved - 410mm long
- Approved to EN60903
- Dual colour with rolled cuff
- High quality latex construction

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PROTECTION FOR LIFE



Part No.	Description	Unit	Qty
058610CLASS2DUAL	CLASS 2 INS GLOVES 17KV 410MM S10 DUAL	EA	1
058611CLASS2DUAL	CLASS 2 INS GLOVES 17KV 410MM S11 DUAL	EA	1

CLASS 3 GLOVES 410MM DUAL

CLASS 3 INS GLOVES 26.5KV 410MM S11 DUAL

Unit: EA Qty: 1



- Part No. 0587-11-D-CLASS3**
- 26500V and Class 3 Approved - 410mm long
 - Approved to EN60903
 - Dual colour with rolled cuff
 - High quality latex construction

extreme safety
PROTECTION FOR LIFE

**CLASS 00 GLOVES 360MM**

- 500V and Class 00 Approved - 360mm long
- Approved to EN60903
- Thin for great dexterity with straight edge cuff
- High quality latex construction

extreme safety
PROTECTION FOR LIFE



Part No.	Description	Unit	Qty
0583-08	CLASS 00 INS GLOVE 500V 360MM S8	EA	1
0583-09	CLASS 00 INS GLOVE 500V 360MM S9	EA	1
0583-11	CLASS 00 INS GLOVE 500V 360MM S11	EA	1

SAFETY (PPE)

CLASS 1 GLOVES 410MM



- 7500V and Class 1 Approved - 410mm long
- Approved to EN60903
- Single colour with straight edge cuff
- High quality latex construction



Part No.	Description	Unit	Qty
0585-09	CLASS 1 INS GLOVES 7.5KV 410MM S9	EA	1
0585-11	CLASS 1 INS GLOVES 7.5KV 410MM S11	EA	1

CLASS 2 GLOVES 410MM

CLASS 2 INS GLOVES 17KV 410MM S9

Unit: EA Qty: 1



- Part No. 0586-09**
- 17000V and Class 2 Approved - 410mm long
 - Approved to EN60903
 - Single colour with straight edge cuff
 - High quality latex construction



CLASS 3 GLOVES 410MM

CLASS 3 INS GLOVES 26.5KV 410MM S11

Unit: EA Qty: 1



- Part No. 0587-11**
- 26500V and Class 3 Approved - 410mm long
 - Approved to EN60903
 - Single colour with straight edge cuff
 - High quality latex construction



CLASS 00 GLOVES 290MM ROLLED EDGE

CLASS 00 INS GLOVE 500V 290MM S9

Unit: EA Qty: 1



- Part No. 0582R-09**
- 500V and Class 00 Approved - 290mm long
 - Tested to EN60903 Clause 8.4.2 - 500V working voltage
 - Thin for great dexterity with rolled cuff
 - High quality latex construction



CLASS 00 INS GLOVE 500V 360MM S9

Unit: EA Qty: 1



- Part No. 0582RX-09**
- 500V and Class 00 Approved
 - Approved to IEC60903
 - Thin for great dexterity with straight edge cuff
 - High quality latex construction



CLASS 0 GLOVES 410MM ROLLED EDGE

CLASS 0 INS GLOVES 1000V REDGE 410MM S9

Unit: EA Qty: 1



- Part No. 0584R-09**
- 1000V and Class 0 Approved - 410mm long
 - Tested to EN60903 Clause 8.4.2 - 1000V working voltage
 - Thin for great dexterity with rolled cuff
 - High quality latex construction



CLASS 00 GLOVES 360MM

CLASS 00 INS GLOVE 500V 360MM S11

Unit: EA Qty: 1

**Part No. 0582RX-11**

- 500V and Class 00 Approved
- Approved to IEC60903
- Thin for great dexterity with straight edge cuff
- High quality latex construction

**CLASS 0 GLOVES 360MM BEIGE**

- 1000V and Class 0 Approved
- Approved to IEC60903
- Thin for great dexterity with straight edge cuff
- High quality latex construction



Part No.	Description	Unit	Qty
0584RX-08	CLASS0 INSGLOVE 1000V360MM S8 BEIGE	EA	1
0584RX-09	CLASS0 INSGLOVE 1000V360MM S9 BEIGE	EA	1
0584RX-10	CLASS 0 INS GLOVES 1000V 360MM S10 BEIGE	EA	1
0584RX-11	CLASS 0 INS GLOVES 1000V 360MM S11 BEIGE	EA	1

CLASS 2 GLOVES 410MM BEIGE

- 17000V and Class 2 Approved
- Approved to IEC60903
- Thin for great dexterity with straight edge cuff
- High quality latex construction



Part No.	Description	Unit	Qty
0586RX-10	CLASS 2 INS GLOVES 17KV 410MM S10 BEIGE	EA	1
0586RX-11	CLASS 2 INS GLOVES 17KV 410MM S11 BEIGE	EA	1

CLASS 2 GLOVES 410MM DUAL

- 17000V and Class 2 Approved
- Approved to IEC60903
- Thin for great dexterity with straight edge cuff
- No outer glove required for dual colour Flex and Grip



Part No.	Description	Unit	Qty
0586RX-10-D	CLASS 2 INS GLOVES 17KV 410MM S10 DUAL	EA	1
0586RX-11-D	CLASS 2 INS GLOVES 17KV 410MM S11 DUAL	EA	1

CLASS 3 GLOVES 410MM BEIGE

- 26500V and Class 3 Approved
- Approved to IEC60903
- Thin for great dexterity with straight edge cuff
- High quality latex construction



Part No.	Description	Unit	Qty
0587RX-10	CLASS 3 INS GLOVES 26.5KV 410MM S10BEIGE	EA	1
0587RX-11	CLASS 3 INS GLOVES 26.5KV 410MM S11BEIGE	EA	1

SAFETY (PPE)

CLASS 4 GLOVES 410MM BEIGE

CLASS 4 INS GLOVES 36KV 410MM S10

Unit: EA Qty: 1



Part No. 0589RX-10

- 36000V and Class 4 Approved
- Approved to IEC60903
- Thin for great dexterity with straight edge cuff
- High quality latex construction

INNER AND OUTER GLOVES

INNER GLOVES



- Designed specifically to be worn inside electrical insulating gloves
- Sized for superior fit - pack of 12
- Woven cuff
- Premium cotton material



Part No.	Description	Unit	Qty
0023-08	COTTON INNER GLOVE S08	PAK	12
0023-09	COTTON INNER GLOVE S09	PAK	12
0023-10	COTTON INNER GLOVE S10	PAK	12
0023-F	COTTON INNER GLOVE FITS SMALL	PAK	12
0023-FA	COTTON INNER GLOVES ONE SIZE	BAG	12

OUTER GLOVE SHEEP SKIN



- Designed to wear over electrical insulating gloves
- Ultra fine sheep hide leather
- For class 00 and 0 gloves
- Fantastic dexterity - tailored fit



Part No.	Description	Unit	Qty
0018-8	SHEEP SKIN OUTER GLOVE S8 FINE	EA	1
0018-9	SHEEP SKIN OUTER GLOVE S9 A FINE	EA	1
0018-9.5	SHEEP SKIN OUTER GLOVE S9.5 A FINE	EA	1
0018-10	SHEEP SKIN OUTER GLOVE S10 A FINE	EA	1
0018-10.5	SHEEP SKIN OUTER GLOVE S10.5 A FINE	EA	1
0018-11	SHEEP SKIN OUTER GLOVE S11 A FINE	EA	1
0018-11.5	SHEEP SKIN OUTER GLOVE S11.5 A FINE	EA	1

OUTER GLOVE GOAT SKIN



- Designed to wear over electrical insulating gloves
- Ultra fine goat hide leather
- For class 00 and 0 gloves
- Fantastic dexterity - tailored fit



Part No.	Description	Unit	Qty
0019-7	GOAT SKIN OUTER GLOVE A-STRAP S7	EA	1
0019-8.0	GOAT SKIN OUTER GLOVE A-STRAP S8	EA	1
0019-9.0	GOAT SKIN OUTER GLOVE A-STRAP S9	EA	1
0019-9.5	GOAT SKIN OUTER GLOVE A-STRAP S9.5	EA	1
0019-10.0	GOAT SKIN OUTER GLOVE A-STRAP S10	EA	1
0019-10.5	GOAT SKIN OUTER GLOVE A-STRAP S10.5	EA	1
0019-11	GOAT SKIN OUTER GLOVE A-STRAP S11	EA	1
0019-11.5	GOAT SKIN OUTER GLOVE A-STRAP S11.5	EA	1
0019-13	GOAT SKIN OUTER GLOVE A-STRAP S13	EA	1
0019-14	GOAT SKIN OUTER GLOVE A-STRAP S14	EA	1

COTTON GLOVE - GP

- High quality workers mechanical protection glove
- Tight-fitting interlock cotton liner
- Knitted wrist and deep yellow nitrile coating
- Glove surface free from silicone
- Moisture-repellent and very breathable

extreme safety
PROTECTION FOR LIFE

Part No.	Description	Unit	Qty
0102-09	SAHARA TOP GLOVE	EA	1
0102-10	SAHARA TOP GLOVE	EA	1

OUTER GLOVE COW HIDE

- Designed to wear over HV gloves
- Made from cowhide leather
- For Class 1-4 gloves
- Fantastic dexterity - tailored fit

extreme safety
PROTECTION FOR LIFE

Part No.	Description	Unit	Qty
0020-8.5	LIVE LINE HV OUTER GLOVE COWHIDE S8.5	EA	1
0020-9	LIVE LINE HV OUTER GLOVE COWHIDE S9	EA	1
0020-9.5	LIVE LINE HV OUTER GLOVE COWHIDE S9.5	EA	1
0020-10	LIVE LINE HV OUTER GLOVE COWHIDE S10	EA	1
0020-10.5	LIVE LINE HV OUTER GLOVE COWHIDE S10.5	EA	1
0020-11	LIVE LINE HV OUTER GLOVE COWHIDE S11	EA	1
0020-11.5	LIVE LINE HV OUTER GLOVE COWHIDE S11.5	EA	1
0020-12	LIVE LINE HV OUTER GLOVE COWHIDE S12	EA	1
0020-13	LIVE LINE HV OUTER GLOVE COWHIDE S13	EA	1
0020-14	LIVE LINE HV OUTER GLOVE COWHIDE S14	EA	1

WHAT IS AN ARC FLASH?

What is Arc Flash?

An Arc Flash or arc fault happens when electric current flows through air gaps between conductors, causing a short circuit.

When does it occur?

Arc Flashes often occur when racking in a breaker, performing switching, due to insulation failure, or accidents caused by touching a test probe to the wrong surface or slipped (non-insulated) tools.

What makes up an Arc Flash?

In its most basic form, an Arc is made up of four elements; thermal energy (heat), acoustical energy (sound), pressure wave and debris. Each of these elements can cause serious injury or death to a person.

The dangerous part

The most dangerous part of an Arc Flash incident is the fact that it creates temperatures high enough to burn skin, but also ignite non Arc rated clothing. Burns due to burning clothing are the most serious, involve large percentages of the body and are more often than not fatal.

For more information on Arc Flash, visit our education site at arcflash.com.au

Typical Arc Flash injuries



Hand with Arc Flash Burns



Severe Arc Flash injury to inner arm

TIMED SEQUENCE OVER ONE SECOND OF THE ARC FLASH



- Test Set Up
- 37cal/cm² or 10kA/1sec rated Arc Flash jacket ready for testing
- The garment has never been worn, however has been laundered industrially 50 times
- The garment is a dual layer Proban construction, of 330gsm per layer



- The initial Arc Flash ignition is anywhere between 9,000° & 20,000° C
- The copper in the switchboard is vaporised and expands to over 40,000 times its solid volume
- Plasma is generated by the arc putting the garment under immense heat and pressure



- The arc continues for 1 full second, as a result of high fault current and slow trip times
- The mannequin is equipped with temperature sensors, none of which may surpass levels that would cause second degree burns
- The garment cannot break open at all or it will fail the test



- The garment passes this test at 10kA/1sec or 37cal/cm²
- No part of the garment breaks open, and no temp sensor register a second degree burn value
- A worker wearing this garment with other appropriate PPE would have had none, or only minor injuries





NFPA 70E

NFPA 70E is the world's leading standard on Arc Flash protection and risk mitigation. Part of the standard is a list of categories (refer to the chart below) designed to advise and determine protection categories for Personal Protective Equipment (PPE).

An Arc Rating is the value attributed to materials that describes their performance when exposed to an electrical arc discharge.

The Arc Rating is expressed in calories per square centimetre (cal/cm²) and is derived from the determined value of the Arc Thermal Performance Value (ATPV).

The PPE should always be selected to match or exceed the PPE Category rating of the equipment worked on.

NFPA 70E® Standard for Electrical Safety in the Workplace 2015 Edition		
Table 130.7(C)(16) Personal Protective Equipment (PPE)		
PPE Category	PPE	Req. min. Arc Rating (ATPV*) (cal/cm ²)
	Arc-rated long-sleeve shirt and pants or arc-rated coverall Arc-rated face shield or arc flash suit hood Arc-rated jacket, parka, rainwear, or hard hat liner (AN)	Arc-Rated Clothing, Minimum Arc Rating of 4 cal/cm² (16.75 J/cm²)
	Arc-rated long-sleeve shirt and pants or arc-rated coverall Arc-rated flash suit hood or arc-rated face shield and arc-rated balaclava Arc-rated jacket, parka, rainwear, or hard hat liner (AN)	Arc-Rated Clothing, Minimum Arc Rating of 8 cal/cm² (33.5 J/cm²)
	Arc-rated long-sleeve shirt (AR) Arc-rated pants (AR) Arc-rated coverall (AR) Arc-rated arc flash suit jacket (AR) Arc-rated arc flash suit pants (AR) Arc-rated arc flash suit hood Arc-rated gloves Arc-rated jacket, parka, rain wear, or hard hat liner (AN)	Arc-Rated Clothing Selected so that the System Arc Rating Meets the Required Minimum Arc Rating of 25 cal/cm² (104.7 J/cm²)
	Arc-rated long-sleeve shirt (AR) Arc-rated pants (AR) Arc-rated coverall (AR) Arc-rated arc flash suit jacket (AR) Arc-rated arc flash suit pants (AR) Arc-rated arc flash suit hood Arc-rated gloves Arc-rated jacket, parka, rainwear, or hard hat liner (AN)	Arc-Rated Clothing Selected so that the System Arc Rating Meets the Required Minimum Arc Rating of 40 cal/cm² (167.5 J/cm²)

*ATPV = Arc Thermal Performance Value

** NFPA = Nation Fire Protection Association (USA)

AN: as needed (optional).

AR: as required.

R: selection required.

NENS 09

ENA NENS 09-2014 is the National Guideline for the Selection, Use and Maintenance of Personal Protective Equipment for Electrical Arc Hazards and supersedes NENS 09 - 2006.

SCOPE:

The guide provides a basic overview of the physical attributes of an arc hazard and applies to the selection, use and maintenance of PPE for work where electrical arc hazards may be encountered during the operation, construction and maintenance of electrical apparatus within an Electricity Network. This guideline is limited to protective clothing, eye and face protection, head protection, hand protection and safety footwear.

Additional PPE and equipment may be required for specific tasks e.g. HV live line work, working at heights, in confined spaces or with hazardous materials, etc.

The Guideline also covers the clothing and apparel designs, the minimum performance levels used and the methods of testing to determine the performance levels.

The Guideline does not consider protection from electric shock or tests for the electrical conductivity of the associated PPE. The Guideline does not consider protection against other hazards, e.g. chemical, biological, noise and radiation hazards.

OBJECTIVES:

The Guideline sets the minimum criteria for the selection, use and maintenance of Personal Protective Equipment (PPE) used to protect workers and others against the electrical arc hazards within the electrical supply industry.

The Guideline supports the objectives of the National Electricity Network Safety Code (ENA DOC 001) issued by the ENA to promote nationally consistent practices within the Electricity Supply Industry.

APPLICATION:

The Guideline applies to workers within the electricity supply industry who are required to work on or near Low and High Voltage electrical apparatus.

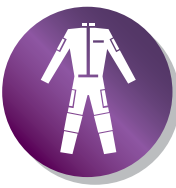
Selecting the appropriate PPE for an Arc Hazard

Arc Rated Base Garments



Protective garments for the workers should provide limited arc protection (CAT 1 – 4 cal/cm²) for the workers entire upper and lower torso, arms and legs. E.g. Shirts, trousers and coveralls.

Arc Rated Outer Garments



Where higher levels of arc protection are required, this may be achieved by the use of arc rated outer garments worn over base garments, such as: Coveralls, Switching Coat, Leggings, Switching Jacket, Overpants and Bib & Brace Coveralls.
Hand Protection – Insulating gloves can be used with protective outer and inner gloves to provide protection for workers from the risk of electric shock, thermal effects of an arc and mechanical hazards. The inner gloves main purpose is to absorb perspiration.
Arc rated gloves may be used for situations where there is a possibility of exposure to incident energy above 1.2 cal/cm² but where insulating gloves are not required.

Eye, Face and Head Protection



Safety glasses should be worn at all times where there is the possibility of exposure to incident energy above 1.2 cal/cm². They should comply with the requirements of AS/NZS1337.1 or AS/NZS1337.6, be manufactured with medium impact resistance, have a non-conductive frame, a wraparound design or be fitted with side shields.
Arc Rated Goggles and Balaclavas may be worn in place of an arc rated hood.
Arc rated Face Shields with a chin guard can provide effective protection for the face where there is a possibility of exposure to incident energy above 1.2 cal/cm².

Hard Hats / Safety Helmets



Should comply with AS/NZS 1801 and be selected and used in accordance with AS/NZS 1800. They should also be Type 1 construction and comply with clause 4.4 (Electrical resistance test) of AS/NZS 1801.
Arc Rated Hoods are manufactured in a beehive-style, fitted with an arc rated face shield and designed for use with a safety helmet. These hoods may be worn in conjunction with switching coats/jackets and offer a high level of protection to the face, neck, head and airways

SIZING CHARTS

SHIRTS

Size	S	M	L	XL	XXL	3XL	4XL	5XL
Neck	36/37	38/39	41/42	43/44	45/46	47/48	49/50	51/52
Chest	90	95	100	105	110	115	120	125

TROUSERS

Size	82R	87R	92R	97R	102R	107R	112R
Waist	36/37	38/39	41/42	43/44	45/46	47/48	49/50
Inside Leg	66	68	71	73	76	78	79
Outside Leg	89	92	93	99	103	114	116

OVERALLS

Size	72R	77R	82R	87R	92R	97R	102R	107R	112R	117R	122R	127R	132R
Waist	80	85	90	95	100	105	110	115	120	125	130	135	140
Chest	102	107	112	117	122	127	132	137	142	147	152	157	162

JACKETS

Size	S	M	L	XL	XXL	3XL	4XL	5XL
Chest	110	120	130	140	150	160	170	180

NOTE: All measurements are in centimetres. This is a guide only. For exact fitting please request a size chart specific to the garment of interest, or a sample garment. Stout sizing available on request.

ELECTRICAL SAFETY STANDARDS

Standard Number	Standard Scope	Notes
AS2225	Electrical Gloves	Australian Standard, based on superseded British Standard. Only covers up to 7000V
AS4836	Working Live or Near Live	Mandates Arc Flash protective clothing and equipment
AS3000	Wiring Rules	Australian Wiring Regulations
NFPA 70E	Arc Flash and Electrical Safety	American Arc Flash and Safety standard. Industry best practice, widely used in Australia
CSA Z462	Arc Flash and Electrical Safety	Canadian version of NFPA 70E (above)
AS/NZS 2978	Electrical Mats	Australian Standard for rubber matting
IEC60903	Electrical Gloves	European Standard for electrical gloves, up to 36,000V
IEC 61111	Electrical Mats	International Standard for electrical mats, up to 36,000V
ASTM D120	Electrical Gloves	American Standard for electrical gloves, up to 36,000V
IEC 61482	Arc Flash	International Arc Flash Standard. Replaces EN50354
IEEE 1584	Arc Flash Calculations	Standard for equipment / switchboard calculations on Arc Flash hazard values
BG1/GUV-15188E	Arc Flash and Electrical Safety	European guide for easy selection of Arc Flash protective equipment

MAINTAIN A SAFE WORK ENVIRONMENT

We recommend regular 6 month HV testing of the following products:

LV and HV Insulating Gloves | Insulation Mats | LV Switchboard Rescue Kit | HV rescue Kit

For further information contact your local distributor or go to website.

We recommend you refer to your State Electrical or Safety Government department to check your local legislation regarding testing.

SAFETY (PPE)

ARC FLASH GLOVES

ARC FLASH GLOVES

ARCPRO OUTER GLOVE 40CAL/CM2

Unit: EA Qty: 1

extreme safety
PROTECTION FOR LIFE



Part No. 0017-40-XL

- Nomex ArcPro Arc Flash protective gloves
- Ideal complement to Arc Flash suit
- Tested to Cat 4 NFPA 70E (40cal/cm2)
- One size only (XL)



ARC FLASH GLOVES



- Complex leather, Kevlar and rubber construction - the leading hand protection on the market
- Rated to 45cal/cm2 on the back of hand and 32.8cal/cm2 on palm
- This glove does not provide protection from electric shock
- Great feel and dexterity



Part No.	Description	Unit	Qty
D-785796	DEHN ARC FLASH GLOVES S08	EA	1
D-785797	DEHN ARC FLASH GLOVES S9	EA	1
D-785798	DEHN ARC FLASH GLOVES S10	EA	1
D-785799	DEHN ARC FLASH GLOVES S11	EA	1
D-785800	DEHN ARC FLASH GLOVES S12	EA	1



UltraSoft (Day/Night) Overalls

POCKETS:

2 chest pockets, as well as back pocket & tool pocket

REFLECTIVE TAPE:

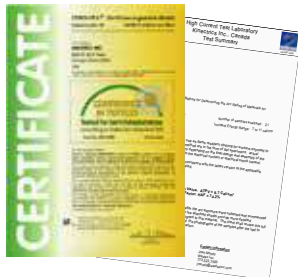
50mm FR Silver Tape

COMPLIES TO

NFPA 70E
CAT2 - 8 cal/cm²

SPECIALLY DESIGNED FABRIC:

Rated to 8.7cal/cm² for the life of the Overalls



TESTING

CERTIFICATION

Complies With:
AS/NZS 1906.4.2010
HIGH VIS MATERIALS
AS/NZS 4602.1.2011
HI VIS DAY/NIGHT



**ULTRASOFT
FLAME RESISTANT
FABRIC:**

S301 237GSM
88% Cotton
12% High Tenacity Nylon

CAT2 LABEL

For easy identification of arc flash protection levels

NYLON PRESS STUDS

Enclosed placard closures



GUSSET CUFF

With nylon button for extra protection

ALL SEAMS

Feld stitched for stronger & more durable seams

SAFETY (PPE)

ARC FLASH SWITCHING APPAREL

ULTRA SOFT SHIRTS DAY/NIGHT ORANGE/BLUE



- Day/night long sleeve flame retardant shirt - Orange/Navy
- 50mm silver flame retardant retro reflective tape
- Westex UltraSoft FR fabric - the ultimate in arc flash protection
- Fabric rated to 8.7cal/cm²
- Compliant with NFPA 70E PPE CAT 2

extreme safety
PROTECTION FOR LIFE



Part No.	Description	Unit	Qty
90-US500-39-DN	ULTRASOFT SHIRT 8.7 DN S39 EU OB	EA	1
90-US500-40-DN	ULTRASOFT SHIRT 8.7 DN S40 EU OB	EA	1
90-US500-41-DN	ULTRASOFT SHIRT 8.7 DN S41 EU OB	EA	1
90-US500-42-DN	ULTRASOFT SHIRT 8.7 DN S42 EU OB	EA	1
90-US500-43-DN	ULTRASOFT SHIRT 8.7 DN L CL OB	EA	1
90-US500-44-DN	ULTRASOFT SHIRT 8.7 DN XL CL OB	EA	1
90-US500-45-DN	ULTRASOFT SHIRT 8.7 DN 2XL CL OB	EA	1
90-US500-46-DN	ULTRASOFT SHIRT 8.7 DN 3XL CL OB	EA	1
90-US500-47-DN	ULTRASOFT SHIRT 8.7 DN 4XL CL OB	EA	1

ULTRA SOFT PANTS



- Flame retardant work trouser with reflective tape - Navy
- 50mm Silver flame retardant retro reflective tape
- Westex UltraSoft FR fabric - the ultimate in arc flash protection
- Fabric rated to 8.7cal/cm²
- Compliant with NFPA 70E PPE CAT 2

extreme safety
PROTECTION FOR LIFE



Part No.	Description	Unit	Qty
90-US501-32AU-DN	ULTRASOFT PANTS 8.7CAL DN S32	EA	1
90-US501-34AU-DN	ULTRASOFT PANTS 8.7CAL DN S34	EA	1
90-US501-36AU-DN	ULTRASOFT PANTS 8.7CAL DN S36	EA	1
90-US501-38AU-DN	ULTRASOFT PANTS 8.7CAL DN S38	EA	1
90-US501-40AU-DN	ULTRASOFT PANTS 8.7CAL DN S40	EA	1
90-US501-42AU-DN	ULTRASOFT PANTS 8.7CAL DN S42	EA	1
90-US501-44AU-DN	ULTRASOFT PANTS 8.7CAL DN S44	EA	1
90-US501-46AU-DN	ULTRASOFT PANTS 8.7CAL DN S46	EA	1

ULTRA SOFT OVERALLS DAY/NIGHT



- Day/night flame retardant overall - Orange/Navy
- 50mm silver flame retardant retro reflective tape
- Westex UltraSoft FR fabric - the ultimate in arc flash protection
- Fabric rated to 8.7cal/cm²
- Compliant with NFPA 70E PPE CAT 2

extreme safety
PROTECTION FOR LIFE



Part No.	Description	Unit	Qty
90-US502-87R-50-DN	ULTRA OVERALLS 8.7 DN S87R	EA	1
90-US502-92R-52-DN	ULTRA OVERALLS 8.7 DN S92R	EA	1
90-US502-97R-54-DN	ULTRA OVERALLS 8.7 DN S97R	EA	1
90-US502-102R-DN	ULTRA OVERALLS 8.7 DN S102R	EA	1
90-US502-107R-DN	ULTRA OVERALLS 8.7 DN S107R	EA	1
90-US502-112R-DN	ULTRA OVERALLS 8.7 DN S112R	EA	1
90-US502-112ST-DN	ULTRA OVERALLS 8.7 DN S112 STOM	EA	1



Arc Flash 10.7cal/cm² Face shield with Smoke Tint and Removable Chin guard



UNIVERSAL ATTACHMENT
Fits most hardhats / helmets

TESTED TO
Cat 2 NFPA 70E 2015
(10.7 cal/cm²) when worn with NOMEX BALACLAVA (Part No. 0024B-NOMEX)

SMOKE TINT
UV rated light smoke tint

REMOVABLE CHIN GUARD
For extra safety and comfort



CERTIFICATION
Satisfies AS/NZS 4836:2011 and NFPA 70E 2015

Part No.	Description
140204BSDERGOS	Arc Flash 10cal/cm ² Faceshield with Smoke Tint and Removable Chinguard

ALSO AVAILABLE	
140204BSDERGOS7CAL	Faceshield With Chinguard 7.0 Cal/cm ²

SAFETY (PPE)

HEAD AND FACE PROTECTION

FACE SHIELD WITH CHIN GUARD 10.7 CAL/CM2

Unit: EA Qty: 1



Part No. 140204BSDERGOS

- Universal face shield attachment that fits peaked hard hats
- Tested to CAT2 (NFPA 70E) when worn with Nomex balaclava
- UV rated light smoke tint
- Removable chin guard for extra safety and comfort
- Manufactured to meet the requirements of EN166

FACE SHIELD WITH CHIN GUARD 7.0 CAL/CM2

Unit: EA Qty: 1



Part No. 140204BSDERGOS7CAL

- Universal face shield attachment that fits peaked hard hats
- Tested to CAT1 (NFPA 70E) when worn with Nomex balaclava
- Certification satisfies AS/NZS 4836:2011 and NFPA 70E 2015
- Removable chin guard for extra safety and comfort
- Manufactured to meet the requirements of EN166

NOMEX FACE SHIELD EXTENSION

Unit: EA Qty: 1



Part No. 140504EXTFS

- Nomex outer shell, permanently anti-static
- Increases protection of the neck and face
- Designed to fit the 140204BSDERGOS arc rated visor

REPLACEMENT LENS 10.7 CAL/CM2

Unit: EA Qty: 1



Part No. 140204RL

- Replacement lens for our ultra popular 10.7cal/cm2 Arc Flash face shield
- Tested to CAT2A NFPA-70E
- Be sure to inspect/replace face shield lenses often as required

FACE SHIELD ELASTIC STRAP

Unit: EA Qty: 1



Part No. 140204ES

- Rubber strap to suit BSD universal bracket for arc rated visors that fit most hard hats
- Durable
- Colour: Grey

HELMET ARC PROTECTION 1000V

Unit: EA Qty: 1



Part No. 140201-HRP

- Recommended to compliment the face shield (Part No. 140204BSDERGOS)
- This is NOT a hard hat, it is for arc protection uses only
- 1000V insulated and flame retardant

HELMET CHIN STRAP 4 POINT

Unit: EA Qty: 1



Part No. 140204CS

- Chin strap for Arc Flash helmet
- 4 point chin strap
- Easy installation
- Highly adjustable

NOMEX ARC FLASH HOOD 44.8 CAL CM2

Unit: EA Qty: 1



Part No. 90-490

- 205g/m2 Nomex 5 layer construction
- Green 'light enhancing tint' visor by Paulson
- Worn in conjunction with a helmet (included)
- Tested to Level 4 NFPA (44.8cal/cm2)



ACCESSORIES

NOMEX BALACLAVA IIIA

Unit: EA Qty: 1



Part No. 0024B-NOMEX

- Nomex IIIA double layer flame retardant balaclava
- Extra Arc Flash face protection
- Double layer front
- Single layer rear



ARC FLASH LEGGINGS

NOMEX ARC FLASH LEGGINGS 44.8CAL

Unit: EA Qty: 1



Part No. 90-489

- CAT4 fully approved to NFPA 70E
- 5 layer Nomex construction
- 44.8cal/cm2 Arc Flash rating



ARC FLASH COATS 37 CAL



- Arc Flash garment made from patented Proban fabric (100% permanently treated cotton fabric)
- 37cal/cm2 Arc Flash rating - no exposed metal
- Dual layer 330g/m2
- Permanent FR and Arc Flash rating



Part No.	Description	Unit	Qty
91-488-50-S	SWITCHING COAT PROBAN-50-S	EA	1
91-488-50-M	SWITCHING COAT PROBAN S50 M	EA	1
91-488-52-L	SWITCHING COAT PROBAN S52 L	EA	1
91-488-54-XL	SWITCHING COAT PROBAN S54 XL	EA	1
91-488-56-2XL	SWITCHING COAT PROBAN S56 2XL	EA	1
91-488-58-3XL	SWITCHING COAT PROBAN S58 3XL	EA	1
91-488-62-4XL	SWITCHING COAT PROBAN S62 4XL	EA	1
91-488-66-5XL	SWITCHING COAT PROBAN S66 5XL	EA	1

SAFETY (PPE)

ARC FLASH COATS 42 CAL



- Arc Thermal Performance Value (ATPV) = CAT 4 - 40 calories/cm²
- 3 layer construction, NOMEX / Aramid Fleece / NOMEX
- 42cal/cm² Arc Flash rating
- Manufactured to meet the requirements of NFPA 70E



Part No.	Description	Unit	Qty
92-488-54-L	ARCPRO SWITCHING COAT L 42 CAL	EA	1
92-488-56-XL	ARCPRO SWITCHING COAT XL 42 CAL	EA	1
92-488-58-XXL	ARCPRO SWITCHING COAT XXL 42 CAL	EA	1
92-488-62-XXXL	ARCPRO SWITCHING COAT 3XL 42 CAL	EA	1
92-488-66-4XL	ARCPRO SWITCHING COAT 4XL 42 CAL	EA	1

ARC SUIT 42 CAL



- Includes hood (with helmet), switching coat and leggings
- Arc Thermal Performance Value (ATPV) = CAT 4 - 40 calories/cm²
- 3 layer construction, NOMEX / Aramid Fleece / NOMEX
- Manufactured to meet the requirements of NFPA 70E
- Gloves not included



Part No.	Description	Unit	Qty
92-488-SUIT-L	ARCPRO SWITCHING SUIT L 42 CAL	EA	1
92-488-SUIT-XL	ARCPRO SWITCHING SUIT XL 42 CAL	EA	1
92-488-SUIT-XXL	ARCPRO ARC FLASH SUIT XXL 42 CAL	EA	1
92-488-SUIT-3XL	ARCPRO SWITCHING SUIT 3XL 42 CAL	EA	1
92-488-SUIT-4XL	ARCPRO SWITCHING SUIT 4XL 42 CAL	EA	1

CAT2 ARC FLASH KITS



- Specialised kit for Cat 2 Arc Flash protection
- Rated to 8.7cal/cm² to NFPA 70E
- Easy to use carry bag
- Contains: UltraSoft overalls, glove kit, storage bag and more



Part No.	Description	Unit	Qty
CAT2KIT-M	CAT2 OVERALLS KIT M	EA	1
CAT2KIT-L	CAT2 OVERALLS KIT L	EA	1
CAT2KIT-XL	CAT2 OVERALLS KIT XL	EA	1



Nomex Arc Flash Suit 42cal/cm² For High Risk Applications



**SPECIALLY
DESIGNED FABRIC**
NOMEX IIIA by DuPont
(205g/m²),
3 layer construction

**TEST: ASTM
F1959-05**
ATPV 42cal/cm²

COMPLIES TO
NFPA 70E
CAT4 - 40cal/cm²

**AVAILABLE
IN A GENEROUS
NUMBER OF SIZES:**
L / XL / XXL / 3XL / 4XL

FACESHIELD IS TESTED TO
CAT 4 - 40cal/cm² (Part No. 90-490)
Green 'Light Enhancing Tint' visor
by Paulson.
Worn in conjunction with a helmet
(included)



TESTING CERTIFICATION
High level of testing for your peace
of mind.

THE SET INCLUDES:
Hood (with helmet), switching coat
and leggings.
NB: Gloves sold separately.

**EXTRA LONG
LEGGINGS**
Designed to cover work
boots and protect them
from Arc Flash damage
(Part No. 90-489)

Part No.	Individual Parts					Description
	Size					
	L	XL	XXL	3XL	4XL	
90-490	One size fits most					Hood/Faceshield
92-488-54-L	√					Switching Coat only
92-488-56-XL		√				
92-488-58-XXL			√			
92-488-62-XXXL				√		
92-488-66-4XL					√	

Part No.	Suits					Description
	Size					
	L	XL	XXL	3XL	4XL	
92-488-SUIT-L	√					Arc Flash Suit
92-488-SUIT-XL		√				
92-488-SUIT-XXL			√			• Hood (with Helmet)
92-488-SUIT-3XL				√		
92-488-SUIT-4XL					√	• Switching Coat
						• Leggings

OPTIONAL ACCESSORIES						
0017-40-XL	ArcPro Outer Glove 40cal/cm ²					

SAFETY (PPE)



EXTREME SAFETY ELECTRICAL SAFETY TRAINING SYSTEM (ESTS)

Arc Flash & Shock Electrical Safety eLearning for your entire workforce.

All course options provide a multi-media based, highly interactive experience developed using leading edge technology for the best available online training solution. Certification courses are available for Electrical and Non-Electrical Workers that include several modules with multiple lessons, knowledge checks, virtual work task scenarios and a final assessment.

Training certificates are awarded upon successful completion.

<http://www.extreme.protraining.com>

ONE FLASH AND YOU'RE GONE

MAKE THE RIGHT CHOICE



CAT4 ARC FLASH KITS



- Specialised kit for Cat 4 Arc Flash protection
- Rated to 44.8cal/cm2 to NFPA 70E
- Easy to use carry bag
- Contains: Arc Flash suit, gloves, hygiene kit and storage bag
- Hygiene Kit included to allow sharing of kit



Part No.	Description	Unit	Qty
CAT4KIT-L	CAT4 ARC FLASH SUIT KIT L	EA	1
CAT4KIT-XL	CAT4 ARC FLASH SUIT KIT XL	EA	1
CAT4KIT-2XL	CAT4 ARC FLASH SUIT KIT 2XL	EA	1
CAT4KIT-3XL	CAT4 ARC FLASH SUIT KIT 3XL	EA	1
CAT4KIT-4XL	CAT4 ARC FLASH SUIT KIT 4XL	EA	1

CLOTHING AND FOOTWEAR

DISPOSABLE COVERALLS

CY025-OS OVERALL COVERALL LARGE

Unit: EA Qty: 1



Part No. T081641

- Tyvek Classic Xpert Disposable Coverall size large
- Type 5 (dry particulate protection)
- Type 6 (protection against a light spray of liquid chemicals)
- Antistatic treatment
- Colour: White

REFLECTIVE VESTS ORANGE DAY ONLY



- Fluorescent, cool, breathable and lightweight 100% polyester fabric
- Featuring grey binding and a hook and loop grip front closure
- Colour: Orange
- Manufactured to meet the requirements of ASNZS 4602.12011

extreme safety
PROTECTION FOR LIFE

Part No.	Description	Unit	Qty
T080125	DV10-M HI VIS DAY VEST ORANGE	EA	1
T080126	DV10-L HI VIS DAY VEST ORANGE	EA	1
T080127	DV10-XL HI VIS DAY VEST ORANGE	EA	1

REFLECTIVE VESTS YELLOW DAY ONLY



- Fluorescent, cool, breathable and lightweight 100% polyester fabric
- Featuring grey binding and a hook and loop grip front closure
- Colour: Yellow
- Manufactured to meet the requirements of ASNZS 4602.12011

extreme safety
PROTECTION FOR LIFE

Part No.	Description	Unit	Qty
T080128	DV1Y-M HI VIS DAY VEST YELLOW	EA	1
T080129	DV1Y-L HI VIS DAY VEST YELLOW	EA	1
T080135	DV1Y-XL HI VIS DAY VEST YELLOW	EA	1
T080136	DV1Y-XXL HI VIS DAY VEST YELLOW	EA	1

REFLECTIVE VESTS ORANGE DAY/NIGHT



- Fluorescent, cool, breathable and lightweight 100% polyester fabric
- 50mm silver reflective tape
- Featuring grey binding and a hook and loop grip front closure
- Colour: Orange
- Manufactured to meet the requirements of ASNZS 4602.12011

extreme safety
PROTECTION FOR LIFE

Part No.	Description	Unit	Qty
T080110	RV10-S HI VIS VEST REFLECTIVE ORANGE	EA	1
T080111	RV10-M HI VIS VEST REFLECTIVE ORANGE	EA	1
T080112	RV10-L HI VIS VEST REFLECTIVE ORANGE	EA	1
T080113	RV10-XL HI VIS VEST REFLECTIVE ORANGE	EA	1
T080114	RV10-XXL REFLECTIVE VEST ORAN XXLS	EA	1

REFLECTIVE VESTS YELLOW DAY/NIGHT



- Fluorescent, cool, breathable and lightweight 100% polyester fabric
- 50mm silver reflective tape
- Featuring grey binding and a hook and loop grip front closure
- Colour: Yellow
- Size: L - XL

extreme safety
PROTECTION FOR LIFE

Part No.	Description	Unit	Qty
91-SV1510VEST	HI VIS VEST	EA	1
T080122	RV1Y-L HI VIS VEST REFLECTIVE YELLOW	EA	1
T080123	RV1Y-XL HI VIS VEST REFLECTIVE YELLOW	EA	1

SAFETY (PPE)

ULTRA SOFT SHIRTS DAY/NIGHT



- Day/night long sleeve flame retardant shirt - Orange
- 50mm silver flame retardant retro reflective tape
- Westex UltraSoft FR fabric the ultimate in arc flash protection
- Fabric rated to 8.7cal/cm2
- Compliant with NFPA 70E PPE CAT 2



Part No.	Description	Unit	Qty
90-ORUS500-39-DN	ORANGE US SHIRT 8.7CAL DN S39 EURO FIT	EA	1
90-ORUS500-40-DN	ORANGE US SHIRT 8.7CAL DN S40 EURO FIT	EA	1
90-ORUS500-41-DN	ORANGE US SHIRT 8.7CAL DN S41 EURO FIT	EA	1
90-ORUS500-42-DN	ORANGE US SHIRT 8.7CAL DN S42 EURO FIT	EA	1
90-ORUS500-43-DN	ORANGE US SHIRT 8.7CAL DN L CLASSIC	EA	1
90-ORUS500-44-DN	ORANGE US SHIRT 8.7CAL DN XL CLASSIC	EA	1
90-ORUS500-44-DNE	ORANGE US SHIRT 8.7CAL DN 44 EURO	EA	1
90-ORUS500-45-DN	ORANGE US SHIRT 8.7CAL DN 2XL CLASSIC	EA	1
90-ORUS500-45-DNE	ORANGE US SHIRT 8.7CAL DN 45 EURO	EA	1
90-ORUS500-46-DN	ORANGE US SHIRT 8.7CAL DN 3XL CLASSIC	EA	1
90-ORUS500-47-DN	ORANGE US SHIRT 8.7CAL DN 4XL CLASSIC	EA	1
90-ORUS500-48-DN	ORANGE US SHIRT 8.7CAL DN 5XL CLASSIC	EA	1

FLAME RETARDANT SHIRT



- Day/night long sleeve flame retardant shirt - Yellow/Navvy
- 50mm silver flame retardant retro reflective tape
- Westex UltraSoft FR fabric the ultimate in arc flash protection
- Fabric rated to 8.7cal/cm2
- Compliant with NFPA 70E PPE CAT 2



Part No.	Description	Unit	Qty
90-US520-L-YN-DN	ULTRASOFT FR SHIRT 8.7 DN L Y/N	EA	1
90-US520-XL-YN-DN	ULTRASOFT FR SHIRT 8.7 DN XL Y/N	EA	1
90-US520-2XL-YN-DN	ULTRASOFT FR SHIRT 8.7 DN 2XL Y/N	EA	1

SOCKS



- NOMEX IIIA single layer flame retardant socks
- For use when FR socks are needed
- Single layer
- Sized for better fit



Part No.	Description	Unit	Qty
0024S-M	NOMEX SOCKS (S6-8)	EA	1
0024S-XL	NOMEX SOCKS (S12-14)	EA	1

PROBAN COAT SWITCHING LONG TASK

- Arc Flash garment made from patented Proban fabric (100% permanently treated cotton fabric)
- 37cal/cm2 Arc Flash rating
- Dual Layer 330g/m2
- No exposed metal



Part No.	Description	Unit	Qty
91-881198-290-50	SWITCHING JACKET PROBAN S50	EA	1
91-881198-290-52	SWITCHING JACKET PROBAN S52	EA	1

PROBAN PANTS SWITCHING

- Arc Flash garment made from patented Proban fabric (100% permanently treated cotton fabric)
- 37cal/cm2 Arc Flash rating
- Dual Layer 330g/m2
- No exposed metal



Part No.	Description	Unit	Qty
91-881201-50-M	SWITCHING TROUSERS PROBAN RWE S50	EA	1
91-881201-52-L	SWITCHING TROUSERS PROBAN RWE S52	EA	1
91-881201-54-XL	SWITCHING TROUSERS PROBAN RWE S54	EA	1
91-881201-56-2XL	SWITCHING TROUSERS PROBAN RWE S56	EA	1
91-881201-58-3XL	SWITCHING TROUSERS PROBAN RWE S58	EA	1
91-881201-62-5XL	SWITCHING TROUSERS PROBAN RWE S62	EA	1

ARC PROTECTION COATS

ARC PROTECTION COAT S48-50

Unit: EA Qty: 1

**Part No. D-785755**

- Complex leather, Kevlar and rubber construction
- Flame-retardant zip and hook-and-loop fasteners
- Reinforced stand-up collar
- Size: 48 - 50

**ARC PROTECTION PANTS**

- Complex leather, Kevlar and rubber construction
- Flame-retardant fasteners
- Useful cargo pockets
- Adjustable belt



Part No.	Description	Unit	Qty
D-785779	ARC PROTECTION TROUSER S46	EA	1
D-785781	ARC PROTECTION TROUSER S50	EA	1
D-785782	ARC PROTECTION TROUSER S52	EA	1
D-785783	ARC PROTECTION TROUSER S54	EA	1

SAFETY (PPE)

NOMEX SHIRTS



- Arc Flash and flame retardant garment made from DuPont's patented NOMEX fabric - as used by F1 drivers and fighter pilots
- No Arc Testing
- Permanent antistatic and FR rating
- No exposed metal



Part No.	Description	Unit	Qty
91-36162-143-38	NOMEX SHIRT SXS	EA	1
91-36162-143-39	NOMEX SHIRT SS	EA	1
91-36162-143-40	NOMEX SHIRT SM	EA	1
91-36162-143-41	NOMEX SHIRT S41	EA	1
91-36162-143-42	NOMEX SHIRT SL	EA	1
91-36162-143-43	NOMEX SHIRT SXL	EA	1
91-36162-143-44	NOMEX SHIRT S2XL	EA	1
91-36162-143-45	NOMEX SHIRT S3XL	EA	1
91-36162-143-46	NOMEX SHIRT S4XL	EA	1

SHIRT AND PANTS



- NOMEX IIIA single layer flame retardant underwear
- Extra Arc Flash protection as worn by F1 Drivers
- Includes shirt and pants
- Sized for tight fit



Part No.	Description	Unit	Qty
0024B-UG-S	NOMEX UNDER GARMENTS SMALL	EA	1
0024B-UG-XL	NOMEX UNDER GARMENTS EXTRA LARGE	EA	1

PANTS



- Arc Flash and flame retardant garment made from DuPont's patented NOMEX fabric - as used by F1 drivers and fighter pilots
- 9.7cal/cm2 Arc Flash rating
- Permanent antistatic, FR and Arc Flash rating
- No exposed metal



Part No.	Description	Unit	Qty
91-35502-143-24	NOMEX TROUSERS S24	EA	1
91-35502-143-25	NOMEX TROUSERS S25	EA	1
91-35502-143-26	NOMEX TROUSERS S26	EA	1
91-35502-143-50	NOMEX TROUSERS S50	EA	1
91-35502-143-52	NOMEX TROUSERS S52	EA	1
91-35502-143-56	NOMEX TROUSERS S56	EA	1
91-35502-143-57	NOMEX TROUSERS S57	EA	1
91-35502-143-58	NOMEX TROUSERS S58	EA	1

PANTS BIBBED



- Arc Flash and flame retardant garment made from DuPont's patented NOMEX fabric - as used by F1 drivers and fighter pilots
- 9.7cal/cm2 Arc Flash rating
- Permanent antistatic, FR and Arc Flash rating
- No exposed metal



Part No.	Description	Unit	Qty
91-351149-52	NOMEX BIBBED TROUSERS GREY S52	EA	1
91-351149-54	NOMEX BIBBED TROUSERS GREY S54	EA	1
91-351149-56	NOMEX BIBBED TROUSERS GREY S56	EA	1
91-351149-58	NOMEX BIBBED TROUSERS GREY S58	EA	1

OVERALLS



- Arc Flash and flame retardant garment made from DuPont's patented NOMEX fabric - as used by F1 drivers and fighter pilots
- Hood with draw cord, self collar, concealed push button closures
- 9.7cal/cm2 Arc Thermal Performance Value (APTV)
- Permanent antistatic, FR and APTV
- No exposed metal

rofa

FLAME
RETARDANT

Part No.	Description	Unit	Qty
91-35950-50-M	NOMEX OVERALL HOOD S50 M ORANGE	EA	1
91-35950-52-L	NOMEX OVERALL HOOD S52 L ORANGE	EA	1
91-35950-56-2XL	NOMEX OVERALL HOOD S56 2XL ORANGE	EA	1
91-35950-58-3XL	NOMEX OVERALL HOOD S58 3XL ORANGE	EA	1
91-35950-60-4XL	NOMEX OVERALL HOOD S60 4XL ORANGE	EA	1
91-35950-62-5XL	NOMEX OVERALL HOOD S62 5XL ORANGE	EA	1
91-35950-66-7XL	NOMEX OVERALL HOOD S66 6XL ORANGE	EA	1

JACKET DOUBLE



- Arc Flash and flame retardant garment made from DuPont's patented NOMEX fabric - as used by F1 drivers and fighter pilots
- Tested to Level 2 ENV50354 (7kA/0.5sec)
- Calculated to Cat 2B NFPA-70E (19.6cal/cm2)
- Permanent anti-static, fire resistant and Arc Flash rating
- No exposed metal

rofa

FLAME
RETARDANT

Part No.	Description	Unit	Qty
91-351337-46-XS	NOMEX JACKET DOUBLE BLUE XS S46	EA	1
91-351337-48-S	NOMEX JACKET DOUBLE BLUE S S48	EA	1
91-351337-50-M	NOMEX JACKET DOUBLE BLUE M S50	EA	1
91-351337-52-L	NOMEX JACKET DOUBLE BLUE L S52	EA	1
91-351337-54-XL	NOMEX JACKET DOUBLE BLUE XL S54	EA	1
91-351337-60-4XL	NOMEX JACKET DOUBLE BLUE 4XL S60	EA	1
91-351337-62-5XL	NOMEX JACKET DOUBLE BLUE 5XL S62	EA	1

PARKA COAT



- Arc Flash and flame retardant garment made from DuPont's patented NOMEX fabric - as used by F1 drivers and fighter pilots
- Weatherproof and waterproof
- Permanent antistatic, FR and Arc Flash rating
- No exposed metal

rofa

FLAME
RETARDANT

Part No.	Description	Unit	Qty
91-37636-52-54	NOMEX PARKA COAT S52-54	EA	1
91-37636-56-58	NOMEX PARKA COAT S56-58	EA	1
91-37636-60-62	NOMEX PARKA COAT S60-62	EA	1
91-37636-64-66	NOMEX PARKA COAT S64-66	EA	1

SAFETY (PPE)

MODACRYLIC HI VIS VEST



- Flame retardant garment made from a patented Modacrylic Fabric (cotton/antistatic/FR blend)
- 235g/m2 fabric weight - antistatic
- Colour: Hi Vis yellow
- No Arc Testing



Part No.	Description	Unit	Qty
91-57190-S-M	HI VIS VEST MODACRYL S-M	EA	1
91-57190-L-XL	HI VIS VEST MODACRYL L-XL	EA	1
91-57190-2XL-3XL	HI VIS VEST MODACRYL 2XL	EA	1

MODACRYLIC HI VIS SHIRTS



- Arc Flash garment made from a patented Modacrylic fabric (cotton/antistatic/FR blend)
- 330g/m2 fabric weight - antistatic
- Colour: Hi Vis yellow
- 4kA/0.5sec Arc Flash rating



Part No.	Description	Unit	Qty
91-546162-39	HI VIS MODACRYL SHIRT S39	EA	1
91-546162-41	HI VIS MODACRYL SHIRT S41	EA	1
91-546162-43	HI VIS MODACRYL SHIRT S43	EA	1
91-546162-44	HI VIS MODACRYL SHIRT S44	EA	1

MODACRYLIC HI VIS SHIRTS ARC 10



- Arc Flash garment made from a patented Modacrylic fabric (cotton/antistatic/FR blend)
- Ideal as switching jacket - antistatic
- Colour: Hi Vis yellow/navy two-tone
- 10kA/1sec Arc Flash rating



Part No.	Description	Unit	Qty
91-551793-52	HI VIS MODACRYL ARC 10 KA - S52	EA	1
91-551793-54	HI VIS MODACRYL ARC 10 KA - S54	EA	1
91-551793-56	HI VIS MODACRYL ARC 10 KA - S56	EA	1
91-551793-58	HI VIS MODACRYL ARC 10 KA - S58	EA	1

MULTI 9 HI VIS PARKA S56-58

Unit: EA Qty: 1

**Part No. 91-58367-56-58**

- Detachable and retractable hood with drawstring, stand-up collar, 2-way zip, water and oil repellent
- Inherently flame retardant and self-extinguishing
- Size: XL, suits chest 116cm and neck 45cm
- Oeko-Tex Standard 100 product class II
- Fabric: 55% modacrylic, 43% cotton, 2% carbon antistatic yarns

**MODACRYLIC HI VIS PARKA COAT MULTI-9**

- Arc Flash garment made from a patented Modacrylic fabric (cotton/antistatic/FR blend)
- Waterproof and removable winter liner - antistatic
- Colour: Hi Vis yellow/navy two-tone
- 4kA/0.5sec Arc Flash rating



Part No.	Description	Unit	Qty
91-58267-44-46	MULTI 9 HI VIS PARKA S44-46	EA	1
91-58267-48-50	MULTI 9 HI VIS PARKA S48-50	EA	1
91-58267-52-54	MULTI 9 HI VIS PARKA S52-54	EA	1
91-58267-60-62	MULTI 9 HI VIS PARKA S60-62	EA	1

MODACRYLIC PANTS MULTI 7

- Arc Flash garment made from a patented Modacrylic fabric (cotton/antistatic/FR blend)
- 330h/m2 fabric weight - antistatic
- Colour: Hi Vis yellow/navy two-tone
- 4kA/0.5sec Arc Flash rating



Part No.	Description	Unit	Qty
9157265-54-XL	HI VIS ARC TROUSERS S54 XL	EA	1
9157265-56-2XL	HI VIS ARC TROUSERS S56 2XL	EA	1
9157265-58-3XL	HI VIS ARC TROUSERS S58 3XL	EA	1
9157265-60-4XL	HI VIS ARC TROUSERS S60 4XL	EA	1
9157265-62-5XL	HI VIS ARC TROUSERS S62 5XL	EA	1

MODACRYLIC HI VIS PANTS BIBBED

- Arc Flash garment made from a patented Modacrylic fabric (cotton/antistatic/FR blend)
- 330g/m2 fabric weight - antistatic
- Arc Thermal Performance Value (APTV): 30cal/cm2
- 4kA/0.5sec Arc Flash rating
- Colour: Hi Vis yellow/navy two-tone



Part No.	Description	Unit	Qty
91-57264-48-S	HI VIS ARC BIBBED TROUSERS S48 S	EA	1
91-57264-50-M	HI VIS ARC BIBBED TROUSERS S50 M	EA	1
91-57264-52-L	HI VIS ARC BIBBED TROUSERS S52 L	EA	1
91-57264-54-XL	HI VIS ARC BIBBED TROUSERS S54 XL	EA	1
91-57264-56-2XL	HI VIS ARC BIBBED TROUSERS S56 2XL	EA	1
91-57264-62-4XL	HI VIS ARC BIBBED TROUSERS S62 4XL	EA	1

SAFETY (PPE)

MODACRYLIC PANTS MULTI 9 BIBBED



- Arc Flash garment made from a patented Modacrylic fabric (cotton/anti-static/FR blend)
- Waterproof
- 4kA/0.5sec Arc Flash rating
- Arc Thermal Performance Value (APTV): 30cal/cm2
- Colour: Hi Vis yellow/navy blue



Part No.	Description	Unit	Qty
91-58266-48-50-M	HI VIS MULTI 9 BIBBED TROUSERS S48-50	EA	1
91-58266-52-54-L	HI VIS MULTI 9 BIBBED TROUSERS S52-54	EA	1
91-58266-56-58-3XL	HI VIS MULTI 9 BIBBED TROUSERS S56-58	EA	1
91-58266-60-62-4XL	HI VIS MULTI 9 BIBBED TROUSERS S60-62	EA	1
91-58266-64-66-5XL	HI VIS MULTI 9 BIBBED TROUSERS S64-66	EA	1

MODACRYL OVERALLS MULTI 7

HI VIS OVERALLS MODACRYL MULTI 7 S52

Unit: EA Qty: 1



Part No. 91-155363300-52-L

- Arc Flash garment made from a patented Modacrylic fabric (cotton/antistatic/FR blend)
- 330g/m2 fabric weight - antistatic
- Colour: Hi Vis yellow/navy two-tone
- 4kA/0.5sec Arc Flash rating



OVERBOOTS INSULATED



- Quick-fit overboot
- Tested to IEC Standards
- 1000V
- Fits over normal work boots



Part No.	Description	Unit	Qty
785405OB-M-39-42	INSULATED OVERBOOTS CLASS 0 M	EA	1
785405OB-L-43-45	INSULATED OVERBOOTS CLASS 0 L	EA	1
785405OB-XL-46-48	INSULATED OVERBOOTS CLASS 0 XL	EA	1

Overhead and Underground

Split Bolt Connectors	C425
Cable Lashers	C427
Full Tension Copper Sleeves	C428
Aluminium Sleeves	C429
ABC Compression Sleeves	C432
Parallel Groove Clamps	C432
ABC Bi-metal Lugs	C433
Flexible Copper Braids	C434
Overhead Rollers	C434
Come A Long Grips	C435
ABC Suspension Clamps	C435
Insulation Products	C436
Animal Guards	C436
ABC Insulation Piercing Connectors	C437
ABC Strain Clamps	C437
Line Tensioners	C439
Telescopic Hotsticks	C441
Universal Poles	C442
Round Hotsticks	C442
COG Sticks	C443
Hotstick Tools and Accessories	C444
Jumper and Earth Clamps	C449
Warning and Rescue Tools	C450
Covers and Specialised Equipment	C450
Earthing Rods, Cables and Sets	C454
Earthing Nuts	C459
Copper C Connectors	C459
Earth Rod Connection Boxes	C461
Kits	C463
Lids and Bases	C464
Tools and Accessories	C467
Fuse Panels	C468
Shrouds	C471
Pulling Tools	C472
Conduit Rods and Frames	C474
Gas Tools	C477
URD Terminal Blocks	C481
URD Connector Systems	C481
Aluminium Bars	C484



Cable Lashers

The Apollo Lasher

The Apollo Lasher can be used for telecom cable placement, which includes coaxial and FTTx cable.

It can lash any telecom cable or inner-duct combination up to 4 inches in diameter.

This tool has parallel-pull capability that allows cable placement over geographical obstacles, such as bodies of water, ravines or across treacherous terrain.

It can perform interference-free, over-lashing with no modification. The Apollo Lasher has a positive slip-free drive (no belts) that was tested in excess of 1 million cycles between failures. Its design allows for easy handling and its manual clutch makes for speedy span transfers.



Part No. MSS-70400

J2 Cable Lasher

The Model J2 Cable Lasher is used to lash a single aerial cable or numerous cables to a supporting strand or to an existing lashed cable with stainless steel lashing wire.

The Lasher is furnished with a rugged lightweight storage chest with corrosion resistant hardware, recessed latches and a moisture-proof, tongue-in-groove design for maximum protection when not in use. Supplied with a 6ft. bridle rope assembly and snap hooks, and an information and operation manual.



Part No. MSS-86070

Optional Accessories

Lashing Wire

Stainless Steel Lashing Wire is used in a lasher to lash a cable or combination of cables to a supporting strand.

It is a specially controlled annealing process, which yields a uniform, fine grain structure throughout the wire length and cross section for best results.



Part No. MSS-71542

SPLIT BOLT CONNECTORS

SPLIT BOLT KITS



- Used for tapping or joining aerial hard drawn Copper conductors or insulated Copper conductors
- Supplied in natural brass
- A standard linesman spanner will fit head
- Made from hard grade high conductivity brass

Part No.	Description	Unit	Qty
SBC24/K	SPLIT BOLT KIT SBC24 X 2	KIT	1
SBC25/K	SPLIT BOLT KIT SBC25 X 1	KIT	1
SBC26/K	SPLIT BOLT KIT SBC26 X 1	KIT	1

SPLIT BOLTS



- Used for tapping or joining hard drawn Copper conductors or insulated Copper conductors
- Supplied in natural brass
- A standard linesman spanner will fit head
- Made from hard grade high conductivity brass

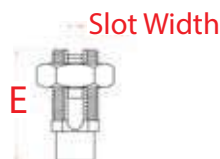


Part No.	Max Conductor Size (mm ²)	Recommended Torque (nm)	E (mm)	A/F (mm)	Slot Width (mm)	ESAA Cross Reference	Unit	Qty
SBC22	16	15	30	10.35	5.25	Type A	EA	1
SBC24	35	27	36.5	13.25	8.25	Type B	EA	1
SBC25	70	40	44.5	18	10.9	Type C	EA	1
SBC26	95	40	50.8	18	13	Type D	EA	1
SBC28	185	80	66.8	23.3	18.55	Type E	EA	1

SPLIT BOLT TIN



- Used for tapping or joining hard drawn Copper conductors or insulated Copper conductors
- Supplied in electro tinned brass
- A standard linesman spanner will fit head
- Made from hard grade high conductivity brass



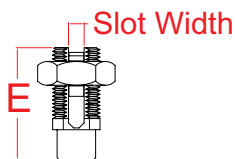
Part No.	Max Conductor Size (mm ²)	Recommended Torque (nm)	E (mm)	A/F (mm)	Slot Width (mm)	ESAA Cross Reference	Unit	Qty
SBC9T	7	0	19.5	11.3	3.9	-	EA	1
SBC12T	25	0	28.5	15.3	6.6	-	EA	1
SBC22T	16	15	30	10.35	5.25	TYPE A	EA	1
SBC24T	35	27	36.5	13.25	8.25	TYPE B	EA	1
SBC25T	70	40	44.5	18	10.9	TYPE C	EA	1
SBC26T	95	40	50.8	18	13	TYPE D	EA	1
SBC28T	185	80	66.8	23.3	18.55	TYPE E	EA	1

OVERHEAD LINE

PREMIUM SPLIT BOLT



- Used for tapping or joining aerial hard drawn or insulated copper conductors
- Precision dimensions
- C38500 (AS/NZS 1567) Brass
- Easy to use and install
- Parts comply to AS1154.1-2009 Clause 4.2 Test 1(a) and (b)



Part No.	Max Conductor Size (mm ²)	Recommended Torque (nm)	E (mm)	A/F (mm)	Slot Width (mm)	ESAA Cross Reference	Unit	Qty
PSBC22	16	20	30.0	10.35	5.25	Type A	EA	1
PSBC24	35	30	36.5	13.25	8.25	Type B	EA	1
PSBC25	70	48	44.5	18	10.9	Type C	EA	1
PSBC26	95	45	50.8	18	13	Type D	EA	1
PSBC28	185	52	66.8	23.3	18.55	Type E	EA	1

PREMIUM SPLIT BOLT TIN



- Used for tapping or joining aerial hard drawn or insulated copper conductors
- Precision dimensions
- C38500 (AS/NZS 1567) Tinned Brass to AS 4169
- Easy to use and install
- Parts comply to AS1154.1-2009 Clause 4.2 Test 1(a) and (b)

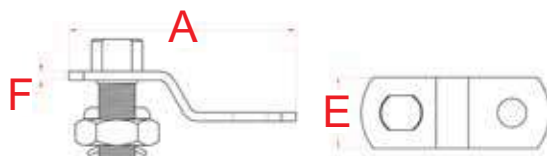


Part No.	Max Conductor Size (mm ²)	Recommended Torque (nm)	E (mm)	A/F (mm)	Slot Width (mm)	ESAA Cross Reference	Unit	Qty
PSBC22T	16	20	30.0	10.35	5.25	Type A	EA	1
PSBC24T	35	30	36.5	13.25	8.25	Type B	EA	1
PSBC25T	70	48	44.5	18	10.9	Type C	EA	1
PSBC26T	95	45	50.8	18	13	Type D	EA	1
PSBC28T	185	52	66.8	23.3	18.55	Type E	EA	1

SPLIT BOLT TIN WITH LUG PALM



- Used for terminating onto air break switchgear
- Electro tinned
- A standard linesman spanner will fit head



Part No.	A (mm)	E (mm)	F (mm)	Unit	Qty
SBC22L	52	19	3.25	EA	1
SBC24L	75	25.5	3.25	EA	1
SBC26L	85	31.75	3.25	EA	1

SPLIT BOLT SHROUDS

SBC22 PLASTIC COVERS

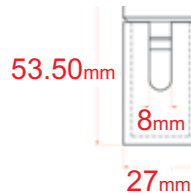


Part No. SBC22SH

Unit: EA Qty: 1



- Plastic shroud for insulating split bolts



CABLE LASHERS

CABLE LASHERS

APOLLO CABLE LASHER - AND CASE

Unit: EA Qty: 1



Part No. MSS-70400

- Suitable for all telecom cable construction and is light-weight and easy to handle, operate and maintain
- Lashes any telecom cable/inner duct combo up to 10cm diameter
- Parallel-pull capability overcomes all terrain obstacles
- Wire tension is constant regardless of amount on spool

GMP - C2 - CABLE LASHER - AND CASE

Unit: EA Qty: 1



Part No. MSS-71422

- Suitable for lashing smaller diameter aerial cable
- Suitable for new construction or over lashing
- Max bundle capacity is 1-7/8 inch
- Comes with 6ft bridle rope, case and instruction manual

CABLE LASHER J2 - WITH CASE

Unit: EA Qty: 1



Part No. MSS-86070

- Used to lash a single aerial cable or numerous cables to a supporting strand or existing lashed cable with stainless steel lashing wire
- Supplied with a heavy-duty water resistant case
- Lash addition cable to existing lashed cable
- Fast set up - quick coil loading

LASHER ACCESSORIES

AERIAL CABLE GUIDE

Unit: EA Qty: 1



Part No. MSS-08007

- Used to guide and straighten cables as they are pulled into a lashing position from a stationary or moving cable reel
- Has a 2 3/4 inch cable capacity
- Cast aluminium shoe with a steel insert on the face
- All steel frame parts are plated for corrosion resistance

AERIAL CABLE GUIDE

Unit: EA Qty: 1



Part No. MSS-70055

- Economical but durable for new plant construction only
- Also suitable for use with fibre and coaxial cables
- Has a 2 3/4 inch cable capacity
- Replaceable shoe makes it easy to keep the guide like new

OVERHEAD LINE

WIRE LASH 304 .045X 1200 6/CT

Unit: EA Qty: 1



Part No. MSS-71542

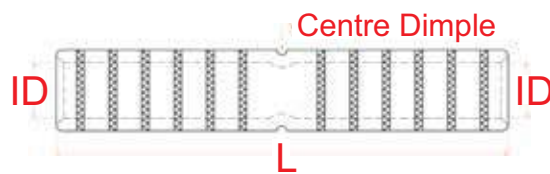
- Type 304 stainless steel
- Excellent resistance to corrosion
- High tensile strength and breaking load

FULL TENSION COPPER SLEEVES

FULL TENSION COPPER SLEEVES



- Designed to accommodate stranded hard drawn Copper overhead conductors
- Complies with full tension testing requirements of AS 1154.1
- Quickly crimped using hexagonal dies and HT51 hydraulic crimper
- A larger hydraulic crimper may also be used



Part No.	Nominal Conductor (mm ²)	Stranding	L (mm)	Nominal ID (mm)	Crimp Die	A/F Hex Die (mm)	No. Crimps	Unit	Qty
PT6	6	7/1.04, 7/1.12	80	3.5	M82-50	8.2	4	EA	1
PT10	10	7/1.35	80	4.5	M82-50	8.2	4	EA	1
PT16	16	7/1.63, 7/1.70	81	5.2	M85-50	8.2	6	EA	1
PT25N	25	7/2.00, 7/2.03	83	6.8	M92-50	9.2	6	EA	1
PT35	35	7/2.62	115	8.5	M115-50	11.5	5	EA	1
PT42	42	7/2.75	115	9	M135-50	13.2	5	EA	1
PT50	50	19/1.70	115	9.5	M132-50	13.2	5	EA	1
PT70N	70	19/2.00, 19/2.11	115	11	M148-50	14.8	5	EA	1
PT95	95	19/2.56	196	13	M190-50	19	8	EA	1
PT134	134	19/3.00	195	16.5	M190-50	19	8	EA	1

Aluminium Non-Tension Sleeve

CABAC's range of Non-Tension Sleeves are designed for use with AAC or AAAC conductors. They include a centre cable location dimple and are filled with jointing compound and have sealing caps on each end to retain the compound during transport and minimise oxidation. They can be crimped with hex or indent dies.



Part No.	AAC/AAAC Conductor Stranding	AAC Conductor Name	AAAC Conductor Name	Conductor O.D. mm	Crimp Die	A/F Hex Die mm
ANT36	7/2.25	Jupiter	Boron	6.75	HT-50/70AL	13.2
	7/2.50	Leo	Chlorine	7.50	HT-50/70AL	13.2
ANT44	7/2.75	Leonids	Chromium	8.25	HT-7/300-375AL	18.0
	7/3.00	Libra	Fluorine	9.00	HT-7/300-375AL	18.0
ANT50	7/3.75	Mars	Helium	11.25	HT-16.8AL	16.8
ANT58	7/4.50	Mercury	Hydrogen	13.50	HT130-C-150	18.3
ANT61	7/4.75	Moon	Iodine	14.25	HT-150/180 AL	22.0
ANT68	19/3.25	Neptune	Krypton	16.25	HT-150/180 AL	22.0
ANT80	19/3.50	Orion	Lutetium	17.50	HT-A7	25.4
	19/3.75	Pluto	Neon	18.75	HT-A7	25.4
ANT94	37/3.00	Saturn	Nitrogen	21.00	HT-240/300AL	28.4
	37/3.25	Sirius		22.75		
	19/4.75	Taurus	Oxygen	23.75	ECW-H3D19/475	30.3
ANT114	37/3.75	Triton	Phosphorus	26.25	ECW-H3D37/375	43.2

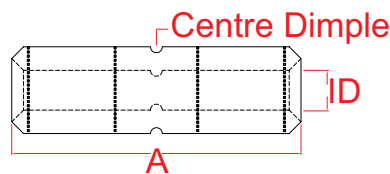


ALUMINIUM SLEEVES

NON TENSION SLEEVES



- Non-tension sleeves designed for use with AAC or AAAC conductors
- Featuring a centre cable location dimple
- Filled with jointing compound and end caps
- Crimp using hex or indent dies



Part No.	ID Size (mm)	A (mm)	No. Crimps Per End	Unit	Qty
ANT36	7.9	58	1	EA	1
ANT44	9.6	70	1	EA	1
ANT50	12.6	85	2 overlap	EA	1
ANT58	14.6	110	3	EA	1
ANT61	15	110	2	EA	1
ANT68	17	146	3	EA	1
ANT80	20.2	146	3	EA	1
ANT94	24.59	155	3 overlap	EA	1
ANT114	29	185	3 overlap	EA	1

Aluminium Full Tension Sleeve - 'A' Style

CABAC's range of Full Tension 'A' style sleeves are designed for use with AAC or AAAC conductors under full tension loading. They include a centre cable location dimple and are filled with jointing compound. They can be crimped using hex or indent dies.

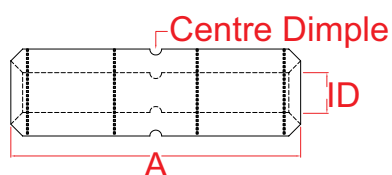
Part No.	AAC/AAAC Conductor Stranding	AAC Conductor Name	AAAC Conductor Name	Conductor O.D mm	Crimp Die	A/F Hex Die mm
AFT36A	7/2.25	Jupiter	Boron	6.75	HT-50/70AL	13.2
	7/2.50	Leo	Chlorine	7.50	HT-50/70AL	13.2
AFT44A	7/2.75	Leonids	Chromium	8.25	HT-7/300-375AL	18.0
	7/3.00	Libra	Fluorine	9.00	HT-7/300-375AL	18.0
AFT50A	7/3.75	Mars	Helium	11.25	HT-16.8AL	16.8
AFT58A	7/4.50	Mercury	Hydrogen	13.50	HT130-C-150	18.3
AFT61A	7/4.75	Moon	Iodine	14.25	HT-150/180 AL	22.0
AFT68A	19/3.25	Neptune	Krypton	16.25	HT-150/180 AL	22.0
AFT80A	19/3.50	Orion	Lutetium	17.50	HT-A7	25.4
	19/3.75	Pluto	Neon	18.75	HT-A7	25.4
AFT94A	37/3.00	Saturn	Nitrogen	21.00	HT-240/300AL	-
	37/3.25	Sirius		22.75		
	19/4.75	Taurus	Oxygen	23.75	ECW-H3D19/475	40.0
AFT114A	37/3.75	Triton	Phosphorus	26.25	ECW-H3D37/375	43.2



FULL TENSION A STYLE SLEEVES



- Full tension 'A' Style sleeve designed for use with AAC or AAAC conductors under full tension loading
- Featuring a centre cable location dimple
- Filled with jointing compound
- Crimp using hex or indent dies



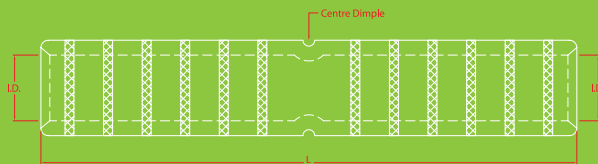
Part No.	ID Size (mm)	A (mm)	No. Crimps Per End	Unit	Qty
AFT36A	7.9	165	3	EA	1
AFT44A	9.6	165	3	EA	1
AFT50A	12.6	205	6	EA	1
AFT58A	14.6	205	4	EA	1
AFT68A	17	280	8	EA	1
AFT80A	20.2	320	10	EA	1
AFT94A	24.59	380	10 overlap	EA	1
AFT114A	25.5	580	15 overlap	EA	1

Aluminium Full-Tension Sleeve - 'R' Style

CABAC's range of 'R' style O/H Sleeves are designed for full tension loads with ACSR. For strandings with a high steel content, please contact CABAC Engineering Department to validate the use. The sleeves include a centre dimple and are filled with a jointing compound. They should be crimped using hex crimps or 'versa-crimp' indent style crimping.



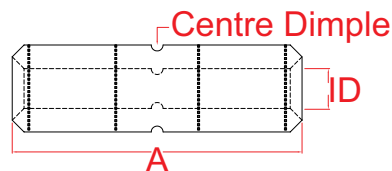
Part No.	ACSR Conductor Stranding	Conductor Name	Conductor O.D mm	Crimp Die	A/F Hex Die mm
	6/1/2.50	Almond	7.50	HT-7/225AL	14.0
	3/4/2.50	Raisin	7.50	HT-7/225AL	14.0
	6/1/2.75	Apricot	8.25	HT-95/120AL	17.3
	6/1/3.00	Apple	9.00	HT-95/120AL	17.3
	4/3/3.00	Sultana	9.00	HT-95/120AL	17.3
	6/1/3.75	Banana	11.25	HT-95/120AL	17.3
	4/3/3.75	Walnut	11.25	HT-95/120AL	17.3
			22.20	HT-7/300-375AL	18.0
	6/4.75 7/1.60	Cherry	14.30	HT-150/185AL	22.0
	30/7/2.50	Grape	17.50	HT-24.9AL	24.9
	30/7/3.00	Lemon	24.50	HT-240/300AL	34.5



FULL TENSION R STYLE SLEEVES



- O/H sleeves 'R' Style - designed for full tension loads with ACSR (for stranding's with high steel content please contact us to validate use)
- Featuring a centre cable location dimple
- Filled with jointing compound
- Crimp using hex crimps or 'versa-crimp' indent style crimping



Part No.	ID Size (mm)	A (mm)	No. Crimps Per End	Unit	Qty
AFT44R	11.12	355	8	EA	1
AFT50R	12.7	470	11	EA	1
AFT58R	14.72	470	11	EA	1
AFT61R	15.46	505	11	EA	1
AFT80R	20.21	580	overlap	EA	1

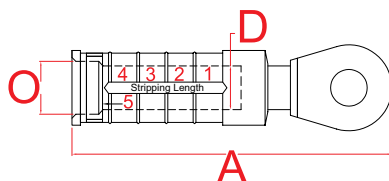
OVERHEAD LINE

ABC COMPRESSION SLEEVES

ABC COMPRESSION SLEEVES



- Used for full jointing tension joining of ABC cables
- Crimping instruction markings included
- Internal contact grease and stop ensure correct position
- Insulation made from thermoplastic polymer material



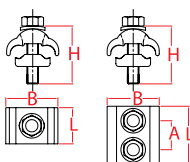
Part No.	A (mm)	B (mm)	L (mm)	A/F Hex Die	No. Crimps	Colour	Unit	Qty
MJPT95	12.5	16.5	125	21.5	5	Grey	EA	1
MJPT150	15.5	19.5	125	21.5	5	Violet	EA	1

PARALLEL GROOVE CLAMPS

ALUM. PARALLEL GROOVE CLAMPS



- Used for tapping or joining AAC, AAAC or ACSR overhead conductors
- Forged not extruded to create a high strength clamp
- Slotted holes allow adjustment for conductors on each side
- Use a single spanner on galvanised nuts and bolts



Part No.	Conductor Range (mm ²)	Bolt Dia. (mm)	B (mm)	L (mm)	H (mm)	Torque (Nm)	Unit	Qty
ALPG16/70-2B	16-70	2 x M8	37	49	40	20	EA	1
ALPG16/120-2B	16-120	2 x M8	46	50	50	20	EA	1
ALPG35/185-2B	35-185	2 x M10	55	64	60	44	EA	1
ALPG35/300-3B	35-300	3 x M10	64	104	70	44	EA	1

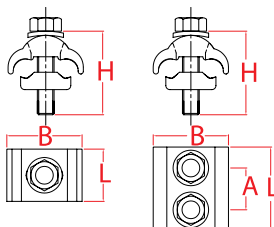
ALUM PARALLEL GROOVE CLAMP 95/240 U BOLT

Part No. ALPG95/240U

Unit: EA Qty: 1



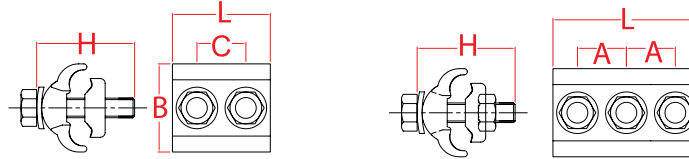
- Designed to assist as a quick and effective way of joining overhead lines
- Available in both Aluminium and bi-metal
- Suited to a 95/240mm² conductor size



BI-METAL PARALLEL GROOVE CLAMPS



- Used to tap or join Copper conductor to Aluminium overhead conductor AAC, AAAC or ACSR
- Forged from 99.6% pure Aluminium
- Copper inlay impact welded in one groove
- Slotted bolts allow varying conductor sizes in each groove

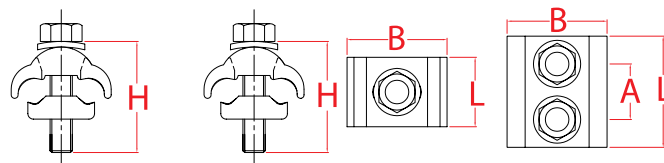


Part No.	Aluminium	Copper	Bolt Dia. (mm)	B (mm)	W (mm)	H (mm)	Torque	Unit	Qty
BPG70/50	70-16 (11-5mm)	50-6 (9-2mm)	2 x M8	40	42	45	20	EA	1
BPG150/95	150-25 (16-6mm)	95-10 (13-4mm)	2 x M8	50	46	46	20	EA	1
BPG185/185	185-35 (19-7mm)	185-35 (19-7mm)	3 x M10	98	56	66	44	EA	1
BPG300/240	300-50 (23-9mm)	240-35 (21-7mm)	3 x M10	106	65	76	44	EA	1

COPPER PARALLEL GROOVE CLAMPS



- Used for tapping or jointing hard drawn or annealed Copper conductors
- Forged not extruded to create a high strength clamp
- Slotted holes allow adjustment for conductors on each side
- Made from 99.95% pure Copper



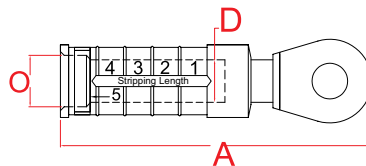
Part No.	Conductor Range (mm ²)	Bolt Dia. (mm)	B (mm)	L (mm)	H (mm)	Torque (Nm)	Unit	Qty
CUPG6/70-2B	6-70	2 x M8	36	40	40	20	EA	1
CUPG10/70	10-70	M8	36	25	40	20	EA	1
CUPG10/95-2B	10-95	2 x M8	42	42	45	44	EA	1
CUPG16/150-2B	16-150	2 x M10	52	50	50	44	EA	1

ABC BI-METAL LUGS

ABC BI-METAL LUGS



- Designed to connect ABC cables to transformers, switchgear etc. on the pole top
- Pre-insulated - no requirement for insulation or heat shrink
- Crimping instructions are moulded onto the lug insulation
- Pre-filled with jointing compound - improved electrical contact



Part No.	A (mm)	D (mm)	O (mm)	Nominal Conductor (mm ²)	Colour Coding	Stud Size	Dia. A/F Hex (mm)	Unit	Qty
BMABC50	95	8.5	12.2	50	Yellow	12	17.3	EA	1
BMABC95	114	12.5	16	95	Grey	12	21.5	EA	1
BMABC150	114	15.5	18.75	150	Violet	12	21.5	EA	1

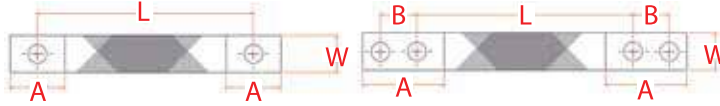
OVERHEAD LINE

FLEXIBLE COPPER BRAIDS

FLEXIBLE COPPER BRAIDS



- An extremely flexible lead typically used on disconnects and switch handle grounds
- Seamless pure Copper ferrules (rectangle shape) on each end
- Use to take up linear expansion/contraction or absorb vibration
- Special ends and braid types available upon request



Part No.	Amp Rating Approx	No. of Ferrule Holes	Length (L) (mm)	Width (W)	Ferrule (A) (mm)	Spacing (B) (mm)	Stud Hole	No. of Braids	Unit	Qty
CAB100A-300M10	100	1	300	22	25	0	11	1	EA	1
CAB100A-300M12	100	1	300	22	25	0	13	1	EA	1
CAB300A-300M12	300	1	300	25	36	0	13	2	EA	1
CAB450A-300M12	450	1	300	30	36	0	13	3	EA	1
CAB600A-300M12	600	1	300	35	40	0	13	4	EA	1

OVERHEAD ROLLERS

OVERHEAD ROLLERS

STRINGING ROLLER - C/W XARM BRACKET

Unit: EA Qty: 1



Part No. MSS-XS-100-B-PG

- A light but extremely rugged and versatile conductor stringing block
- Hot dipped galvanised socket connector
- Five position cross arm bracket
- Anti-friction ball bearings - lubricated for life of the block

POLE MOUNT BRACKET

Unit: EA Qty: 1



Part No. MSS-70372

- For use with the 45 and 90 degree range of corner blocks
- Rugged and light-weight
- Vertical angle adaptor also available (Part No. MSS-70440)

VERTICAL ANGLE ADAPTOR

Unit: EA Qty: 1



Part No. MSS-70440

- For use with the 45 and 90 degree range of corner blocks
- Rugged and light-weight
- Used in conjunction with pole mount bracket (Part No. MSS-70372)

CORNER BLOCKS



- Rugged and light-weight these corner blocks are used to guide cable and evenly distribute the load on the cable when pulling around corners
- Welded and painted steel frames
- Accepts up to a 1 3/8 inch dia. cable on a 23 inch bend radius
- Mounts on our ratcheting pole bracket

Part No.	Description	Unit	Qty
MSS-70439	CORNER BLOCK 45DEG	EA	1
MSS-70438	CORNER BLOCK 90DEG	EA	1

COME A LONG GRIPS

COME A LONG GRIPS

SERVICE LINE COMEALONG GRIP - 2X16-4X35

Unit: EA Qty: 1



Part No. MSS-12870

- WLL 500kg
- Perfect for use with our tensioner rig (Part No. MSS-AW-SVT-12)
- Suitable for aerial bundled cable
- Minimum cable diameter 2 x 16mm
- Maximum cable diameter 4 x 35mm

850KG - ABC COME ALONG GRIP 4X35-4X95

Unit: EA Qty: 1



Part No. MSS-NGK-ABC-GRIP

- Suitable for Aerial Bundled Cable
- Safe working load - 8.5kN
- Minimum cable diameter 4 x 35mm
- Maximum cable diameter 4 x 95mm

NGK COME A LONG GRIPS

COME ALONG GRIP 2T- 16-32MM

Unit: EA Qty: 1



Part No. MSS-NGK-AL-LARGE

- Suitable for bare Aluminium and bare Copper cables
- Safe working load - 20kN
- Minimum cable diameter 16mm
- Maximum cable diameter 32mm

COME ALONG GRIP2T - 5 - 25MM

Unit: EA Qty: 1



Part No. MSS-NGK-AL-MIDDLE

- Suitable for bare Aluminium and bare Copper cables
- Safe working load - 20kN
- Minimum cable diameter 5mm
- Maximum cable diameter 25mm

COME-ALONG GRIP 1T - 2.6 - 15MM

Unit: EA Qty: 1



Part No. MSS-SD-L-GRIP

- Suitable for steel rod, Copper cable and messenger wire
- Safe working load - 10kN
- Minimum cable diameter 2.6mm
- Maximum cable diameter 15mm

ABC SUSPENSION CLAMPS

SUSPENSION CLAMPS

SUSPENSION CLAMP 4 X 95 ABC

Unit: EA Qty: 1



Part No. SPC4/95

- Designed to suspend four by 95mm2 ABC conductors, holding all parts captive so that components cannot be dropped
- Made from hot dipped galvanised steel with an EDPM rubber insert
- Very quick and easy to install
- Will allow up to 30 degree line deviation

OVERHEAD LINE

INSULATION PRODUCTS

INSULATION COVERS



- Used by network personnel and contractors as PPE to cover live conductors and power lines in low voltage environments
- High quality, light weight, reliable and durable
- UV Stabilised - maximum use 650V
- Complies with and marked to AS4202 Class 2

Part No.	Description	Unit	Qty
LSC225	ELECT. INSULATION COVER 1200 X 225MM	EA	1
LSC300	ELECT. INSULATION COVER 1200 X 300MM	EA	1
LSC375	ELECT. INSULATION COVER 1200 X 375MM	EA	1

TIGER TAILS YELLOW/BLACK STRIPE 2.5M

Unit: EA Qty: 1



Part No. DB35A

- Industry standard high grade HDPE split tube pipe material ID 35 mm, L 2.5m.
- Features unique high visibility striped patterns
- Eyelet in bell housing, interlocking male to female
- Maximum use 650V

ANIMAL GUARDS

POSSUM GUARDS



- A unique product developed by CABAC and now used by many authorities
- Swivelling jacket around cable stops possum walking along it
- Made from low density Polyethylene 14
- Secure in place with a cable tie

Part No.	Description	Unit	Qty
PPG	POSSUM GUARD KIT 38MM ID	EA	1
PPG2	POSSUM GUARD KIT 70MM ID	EA	1

STAY AND TREE GUARDS

STAY GUARD 2.5MT X 30MM ID SPLIT WHITE

Unit: EA Qty: 1



Part No. VPSG2.5SW

- Used on stay wires at ground level to provide abrasion protection from livestock and to make stays visible to people
- UV stabilised - available with or without longitudinal split
- Colour: White

TREE GUARD 3MT X 25MM ID SPLIT GREY

Unit: EA Qty: 1



Part No. VPTG25/3G

- Designed for retrofit to existing conductors that have tree interference
- Acts as abrasion resistance on CATV and insulated conductors
- UV Stabilised plastic tube - easy to install
- Made from low density Polyethylene 14

ABC INSULATION PIERCING CONNECTORS

INSULATING PIERCING CONNECTORS



- Designed to tap off low voltage XLPE insulated ABC cables using a unique insulation piercing technique
- Suitable for all weather applications and corrosion resistant
- Connections can be made fully live in minutes
- Suitable for Aluminium and Copper

Part No.	Branch Cable Range (mm ²)	Fastener No.	Fastener A/F (mm)	Main Cable Range (mm ²)	Torque (Nm)	Unit	Qty
IPC35/35	35-6	1	13	35-6	11	EA	1
IPC95/10	10-1.5	1	13	95-6	11	EA	1
IPC95/35	35-6	1	13	95-25	14	EA	1
IPC95/95	95-16	1	13	150-16	16	EA	1
IPC150/35	35-6	1	13	150-35	14	EA	1
IPC150/150	150-70	2	13	150-70	16	EA	1

INSULATING PIERCING CONNECTORS BARE WIRE

BARE WIRE TO INS PIERC CONN. 120-35MM²

Unit: EA Qty: 1



Part No. IPCB120/35

- Connects bare Copper or Aluminium conductors to ABC style insulated cables with conventional IPC style piercing of the insulated conductor
- Contact bridges made from tinned brass Copper
- Suitable for all weather applications
- Connections can be made in minutes

BARE WIRE TO INS PIERC CONN. 150-95MM²

Unit: EA Qty: 1



Part No. IPCB150/95

- Connects bare Copper or Aluminium conductors to ABC style insulated cables with conventional IPC style piercing of the insulated conductor
- Contact bridges made from tinned brass Copper
- Suitable for all weather applications
- Connections can be made in minutes

BARE WIRE TO INS PIERC CONN. 150-150MM²

Unit: EA Qty: 1



Part No. IPCB150/150

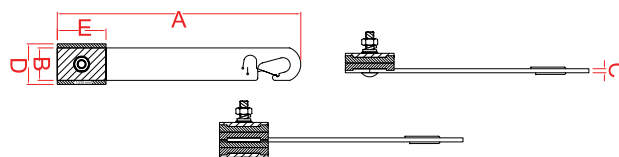
- Connects bare Copper or Aluminium conductors to ABC style insulated cables with conventional IPC style piercing of the insulated conductor
- Contact bridges made from tinned brass Copper
- Suitable for all weather applications
- Connections can be made in minutes

ABC STRAIN CLAMPS

STRAIN CLAMPS CLOSED END



- A multiple use house service strain clamp for use typically between the pole and the fascia board
- Steel components hot dipped galvanised to Australian Standards
- Plastic moulded from glass filled reinforced UV stabilised nylon
- Range can be configured for two or four conductors



Part No.	No. Cables	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Unit	Qty
SCSC/2	2 way	170	40	5	50	60	EA	1
SCSC/4	4 way	270	40	5	50	60	EA	1

OVERHEAD LINE

STRAIN CLAMPS DEAD END



- Used primarily as a dead anchor on ABC installations to anchor runs at regular intervals or at the end of runs
- Galvanised steel arms
- Clamping jaws made from glass reinforced plastic
- More than one clamp size available

Part No.	Description	Unit	Qty
SC4/95	STRAIN CLAMP 4 X 95 ABC	EA	1
SC95/150	STRAIN CLAMP 4 X 95 TO 150MM ² ABC	EA	1

HOUSE SERVICE STRAIN CLAMP 6-35

Unit: EA Qty: 1



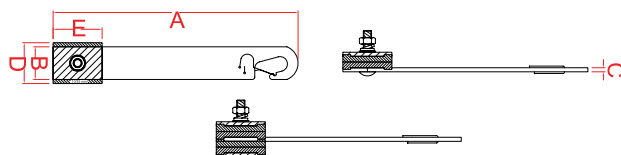
Part No. SCHS6/35

- Designed for house service connections typically from a pole to a fascia board
- Stainless steel bail designed to break when trees fall on wires
- Reduced installation time - no tools required
- UV stabilised for long exposure to sunlight

STRAIN CLAMPS HOUSE



- A multiple use house service strain clamp for use typically between the pole and the fascia board
- Steel components hot dipped galvanised to Australian Standards
- Plastic moulded from glass filled reinforced UV stabilised nylon
- Range can be configured for two or four conductors

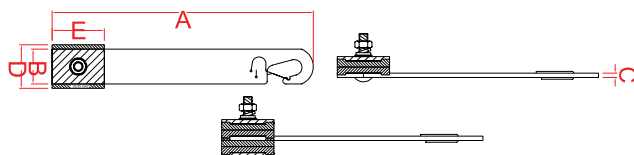


Part No.	No. Cables	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Unit	Qty
SCSHS/2	2 way	170	40	5	50	60	EA	1
SCSHS/4	4 way	170	40	5	50	60	EA	1

STRAIN CLAMPS HOOK END



- A multiple use house service strain clamp for use typically between the pole and the fascia board
- Steel components hot dipped galvanised to Australian Standards
- Plastic moulded from glass filled reinforced UV stabilised nylon
- Range can be configured for two or four conductors



Part No.	No. Cables	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Unit	Qty
SCLHS/2	2 way	270	40	5	50	60	EA	1
SCLHS/4	4 way	270	40	5	50	60	EA	1
SCLC/2	2 way	270	40	5	50	60	EA	1
SCLC/4	4 way	270	40	5	50	60	EA	1

LINE TENSIONERS

LINE TENSIONERS

LINCOLN WEB HOIST - 2000LBS DOUBLE

Unit: EA Qty: 1



Part No. MSS-2W10-ANZ

- Individually pull tested to 125 per cent of its rated capacity
- Double flanged drum
- Interlocking pawl mechanism - no brakes to slip
- Compact design allows smooth one handed operation

LINCOLN WEB RATCHET HOIST - 4000LBS

Unit: EA Qty: 1



Part No. MSS-4W12-ANZ

- Individually pull tested to 125 per cent of its rated capacity
- Double flanged drum
- Interlocking pawl mechanism - no brakes to slip
- Compact design allows smooth one handed operation

RATCHET WEB HOIST 3000LBS DOUBLE-2 HOOK

Unit: EA Qty: 1



Part No. MSS-30W08-1300-ANZ

- Individually pull tested to 125 per cent of its rated capacity
- Double flanged drum
- Interlocking pawl mechanism - no brakes to slip
- Compact design allows smooth one handed operation

RATCHET WEB HOIST 3000LBS DOUBLE-3 HOOK

Unit: EA Qty: 1



Part No. MSS-3W08-1300-ANZ

- Individually pull tested to 125 per cent of its rated capacity
- Double flanged drum
- Interlocking pawl mechanism - no brakes to slip
- Compact design allows smooth one handed operation

12MM DOUBLE BRAID SERVICE TENSIONER RIG

Unit: EA Qty: 1



Part No. MSS-AW-SVT-12

- Used to tension small Aerial Bundle cable
- Made with high quality stainless steel fittings
- Made with high quality and durable yachting rope
- Perfect for use with our service line grip (Part No. MSS-12870)

CABLE RATCHET HOIST



- Quick release allows cable to be pulled out freely when rigging hoist
- Interlocking pawl mechanism - no brakes to slip
- Maintenance free bearings are lubed for life
- Reversible handle

Part No.	Description	Unit	Qty
MSS-LH-2250-20-ANZ	CABLE RATCHET HOIST-2250LBS-DOUBLE	EA	1
MSS-LH-3000-10-ANZ	CABLE RATCHET HOIST- 3000LBS - DOUBLE	EA	1
MSS-LH-4000-20-ANZ	CABLE RATCHET HOIST-4000LBS DOUBLE	EA	1
MSS-LH-6000-15	CABLE RATCHET HOIST 4850 LBS DOUBLE	EA	1

Ritz Live Line Tooling



RITZ is a manufacturer of live line equipment of the highest standard. The company manufactures live line tools, accessories, crane extensions, and even elevated work platforms.

TELESCOPIC HOTSTICKS

RITZ-4TH SECTION OF VTT 1/7M

Unit: EA Qty: 1



Part No. VT4M-7

- Spare part for VTT-1/7MB
- Fibre glass 4th section of telescopic stick
- Height measurement marked



RITZ-3RD SECTION OF VTT 1/9M

Unit: EA Qty: 1



Part No. VT3M-9

- Spare part for VTT-1/9MB
- Fibre glass 3rd section of telescopic stick
- Height measurement marked



RITZ STANDARD TRIANGULAR TELESCOPIC POLES



- Standard triangular telescopic RITZ Hot Stick provides working distance/insulation required to perform HV overhead electrical system work
- Complies with ASTM F-1826 and IEC62193
- Has universal 'sunrise' head with hook and height accessories
- Other accessories and repair equipment also available
- Includes height markings and carry bag

Part No.	Weight (kg)	No. of Sections	Extended Length (mm)	Retracted Length (mm)	Bottom Dia. (mm)	Unit	Qty
VTT-1/4MB	2.20	4	5.1	1.54	41	EA	1
VTT-1/5MB	2.90	5	6.44	1.59	45	EA	1
VTT-1/6MB	2.90	6	7.77	1.64	49	EA	1
VTT-1/7MB	3.70	7	9.18	1.69	52	EA	1
VTT-1/8MB	5.50	8	10.6	1.74	56	EA	1
VTT-1/9MB	6.60	9	12.07	1.79	61	EA	1

RITZ HD TRIANGULAR TELESCOPIC POLES



- Heavy-duty triangular telescopic RITZ Hot Stick provides working distance/insulation required to perform routine overhead electrical system jobs
- Any section can be replaced if it becomes damaged
- Supplied with a universal brass fitting 'sunrise' head
- Other accessories and repair equipment are also available

Part No.	Weight (kg)	No. of Sections	Extended Length (mm)	Retracted Length (mm)	Bottom Dia. (mm)	Unit	Qty
VTT-3HD-4	1.60	2	2.74	1.5	41	EA	1
VTT-3HD-5	2.20	3	4	1.58	45	EA	1
VTT-3HD-6	2.90	4	5.42	1.6	49	EA	1
VTT-3HD-7	3.70	5	6.81	1.67	52	EA	1
VTT-3HD-8	4.70	6	8.24	1.7	56	EA	1
VTT-3HD-9	5.80	7	9.7	1.77	61	EA	1

LIVE LINE TOOLING

UNIVERSAL POLES

RITZ UNIVERSAL POLES

RITZ UNIV. POLE RISING SUN ONE END 2.57M

Unit: EA Qty: 1



Part No. H1760

- Fibreglass construction, 'sunrise' head and rubber base - 2.4m long
- Single hotstick
- 32mm diameter

RITZ V/PHASE TESTER UNI STICKS 1.8 X0.32

Unit: EA Qty: 1



Part No. H1760-1

- Universal sticks for 16kV phase tester (Part No. H1876/B)
- Enables testing at the required approach distance
- Resistor extension pair also available (Part No. H1876-4B)

RITZ DISTANCE LIMIT DEVICE FOR 32MM POLE

Unit: EA Qty: 1



Part No. C403-0799

- Use with 32mm diameter hotsticks
- Polyamide clamp
- Assists linesman to determine work distance

RITZ UNIVERSAL SUPPORT HEAD 32MM

Unit: EA Qty: 1



Part No. H4455

- Fits 32mm diameter hotsticks
- Bronze 'sunrise' head
- Includes winged bolt

ROUND HOTSTICKS

RITZ ROUND STICKS

RITZ SHORT STICK - HEAD & MALE SPLICE

Unit: EA Qty: 1



Part No. CS-U/L-E

- Bronze end 'sunrise'
- Short end element 25mm diameter
- Fits VMR/L-I or VMR/L-P

RITZ TOP SECTION-LIGHT HOT STIC

Unit: EA Qty: 1



Part No. VMR/L-S

- Top section for RITZ round hot sticks
- Large range of hot sticks and accessories available
- Made from a fibreglass epoxy tube

RITZ BASE ELEMENT - LIGHT CIRC HOT STICK

Unit: EA Qty: 1



Part No. VMR/L-P

- Handle for RITZ round hot sticks
- Large range of hot sticks and accessories available
- Made from a fibreglass epoxy tube

RITZ INTERMEDIATE ELEMENT-LIGHT CIRC HOT

Unit: EA Qty: 1



Part No. VMR/L-I

- Middle section for RITZ round hot sticks
- Large range of hot sticks and accessories available
- Made from a fibreglass epoxy tube

RITZ HOT STICK 2.7M TWO SECTION IN BAG



- Designed to guarantee the safety distance and the necessary insulation during live electrical work
- Universal brass 'rising sun' head fitting
- Applications include overhead switch operation and fuse pulling
- Large range of hot sticks and accessories available

Part No.	Description	Unit	Qty
VMR-30/LB	RITZ HOT STICK 2.7M TWO SECTION IN BAG	EA	1
VMR-45/LB	RITZ HOT STICK 3.95M THREE SECTION IN BAG	EA	1
VMR-70/LB	RITZ HOT STICK 5.2M FOUR SECTION IN BAG	EA	1
VMR-90/LB	RITZ HOT STICK 6.45M FIVE SECTION IN BAG	EA	1

COG STICKS

RITZ COG HOTSTICKS

RITZ ALL-ANGLE COG WRENCH H/STK 2.45M

Unit: EA Qty: 1



Part No. C403-0185

- Insulated wrench with articulated gear mechanism to adjust the angle when working on energised high voltage systems
- 1/2 inch square drive on geared socket attachment
- Socket drive can be adjusted 140 degrees relative to the pole
- Maximum torque is 20 N. Use flexible wrench for more torque
- Weight 3.4kg, insulating pole length: 1.98m and total 3.05m

CABAC HOTSTICK TOOLS

HOUSE SERVICE FUSE PULLER

Unit: EA Qty: 1



Part No. HSFP

- Maintenance equipment for Hot Sticks and telescopic sticks - LV fuse pulling attachment
- Fits onto 'sunrise' fitting on hotsticks
- HSFP screw fits into pole mounted fuse holders
- Fuse holders can be pulled out or inserted from ground level

LIVE LINE TOOLING

HOTSTICK TOOLS AND ACCESSORIES

RITZ SPARE PARTS

RITZ UNIVERSAL SUPPORT HD 25- CIRC STICK

Unit: EA Qty: 1



Part No. CS-U/L

- Bronze end 'sunrise'
- Diameter 25mm
- Fits base or intermediate elements

RITZ HOTSTICK TOOLS

RITZ SHOTGUN UNIVERSAL ADAPTER

Unit: EA Qty: 1



Part No. M1867

- Fits Ritz shotgun hotsticks
- Bronze construction
- Adapts 'shotgun' hook to 'sunrise' head

RITZ BRONZE HEAD DISCONNECT CB HOOK

Unit: EA Qty: 1



Part No. CP-1/U

- Bronze head for circuit breaker operation with standard 'sunrise' universal coupling to hot sticks
- Shaft for CB operation
- Fitting for cartridge cut-out catch
- Weight: 0.22kg
- Alternative Ritz Part No. VMR02619-1

RITZ ALL ANGLE PLIERS

Unit: EA Qty: 1



Part No. C403-0177

- Holds items e.g. nuts, etc. during interventions
- Fits Ritz 'sunrise' head
- Adjusts by twisting hotstick

RITZ STEEL HEAD DISCONNECT HOOK FOR HXO

Unit: EA Qty: 1



Part No. CP-5/U

- Bronze head for operation, installation and removal of HXO switch fuse cartridges
- Fits standard 'sunrise' universal fitting
- Weight: 0.22kg
- Use with Ritz hotsticks and telescopic sticks
- Alternative Ritz Part No. VMR02614-1

RITZ SPIRAL LINK STICK 0.63M

Unit: EA Qty: 1



Part No. H4722

- Spiral link stick used as a strain link stick where it is attached beyond the approach distance
- Equipped with a lifting eye to guide spiral to the conductor
- 32 mm Ritz glass pole with stainless steel spiral hook
- Spiral hook for ACSR conductor up to dia. 38
- Working load up to 1588 daN. Weight: 1kg, length: 0.29m

RITZ HOT RODDER TOOL

Unit: EA Qty: 1



Part No. C403-0834

- For applying line ties
- The loop allows rotational control
- Fits Ritz 'sunrise' live line tools

RITZ BRONZE SNAPOUT DISCONNECT HEAD

Unit: EA Qty: 1



Part No. M4455-13

- For pulling out stuck split pins
- Spring loaded hammer action with cheese head hook
- Fits Ritz 'sunrise' live line tools

RITZ AEROSOL CAN HOLDER

Unit: EA Qty: 1



Part No. C403-2270

- Spray can holder to apply paint, lubricant, insecticides and more to reach live line areas
- Spray can holder fits standard aerosol cans
- Holder fits onto standard 'sunrise' universal fitting hotsticks
- Aerosol applied by means of insulated nylon rope
- Alternative Ritz Part No. RC403-2270

RITZ DISCONNECT HEAD

Unit: EA Qty: 1



Part No. M4455-9

- The M4455-9 is an aluminium alloy disconnect hook for opening and closing switches, cut-outs, etc.
- Fits standard 'sunrise' universal fitting an hot sticks
- Standard part supplied with telescopic sticks
- Weight: 0.08 kg
- Alternate Part No. RM4455-9

RITZ HACKSAW

Unit: EA Qty: 1



Part No. M4455-23

- The hacksaw attaches to hot sticks for cutting near power lines and can be adjusted for use at many angles
- Hacksaw frame uses standard hacksaw blades
- It attaches to standard 'sunrise' universal fitting
- Weight 0.42kg
- Alternate Ritz Part No. M4455-23

RITZ HAMMER

Unit: EA Qty: 1



Part No. M4455-85

- Hammer head for applying forceful blows to overhead line hardware
- Attaches to standard hot stick 'sunrise' universal fitting
- Has a flat and a pointed hammer
- Weight: 0.42kg

LIVE LINE TOOLING

RITZ CHUCK BLANK

Unit: EA Qty: 1



Part No. M4455-10

- Attach hand tools to hotsticks with adaptor
- Fits standard 'sunrise': universal fitting on hot sticks
- Fits 'sunrise' hotsticks
- Fix tools to 'sunrise' head with solder

RITZ CHUCK BLANK

Unit: EA Qty: 1



Part No. M4455-37

- Attach hand tools to hotsticks with adaptor
- Wing nut bolt for attaching tools to chuck
- Fits 'sunrise' universal fitting hotsticks
- Suitable for temporary attachment of tools to chuck
- Weight: 0.14kg

RITZ CLEVIS PIN INSTALLER

Unit: EA Qty: 1



Part No. M4455-102

- Positive grip, 3 finger device for placing pins in semi-recessed areas
- Spring-loaded
- Weight 0.4kg

RITZ COTTER KEY HOLDER

Unit: EA Qty: 1



Part No. M4455-103

- Install cotter keys (split pins) at different angles on insulator strings
- Fits standard Ritz 'sunrise' hotsticks
- Weight 0.26kg

RITZ RATCHET WRENCH

Unit: EA Qty: 1



Part No. M4455-6

- Suitable for tightening bolts and nuts on energised system

RITZ SNAPOUT COTTER KEY REMOVAL

Unit: EA Qty: 1



Part No. M4455-12

- Spring loaded impact hammer hook for removing cotter keys (split pins)
- Useful to remove stuck split pins with pointed hook
- Fits standard 'sunrise' hotstick

RITZ PRUNING SAW

Unit: EA Qty: 1



Part No. M4455-26A

- Attaches to 'sunrise' hotstick
- Saw for pruning branches near power-lines
- Optional pistol grip handle available (M4455-66)

RITZ CLEAR VISION MIRROR

Unit: EA Qty: 1



Part No. M4455-38

- Clear vision mirror for inspecting energised systems in hard to see areas
- Viewing angle is easily pre-adjusted
- Fits standard 'sunrise' universal fitting hotsticks
- Weight: 0.37kg

RITZ ADJUSTABLE INSULATOR FORKS

Unit: EA Qty: 1



Part No. M4455-67

- Adjustable clamp to remove insulators
- Adjustable 76 to 114mm
- Fits universal Ritz 'sunrise' live line tools

RITZ ROTARY PRONG TIE STICK HEAD

Unit: EA Qty: 1



Part No. M4455-69

- Places insulator ties with looped ends
- Prong swivels freely
- Fits universal Ritz 'sunrise' live line tools

RITZ ROTARY BLADE TIE STICK HEAD

Unit: EA Qty: 1



Part No. M4455-70

- V-notch grasps wire tie securely
- Hook has swivel action
- Manipulate wire ties with or without loop ends

RITZ FUSE PULLER

Unit: EA Qty: 1



Part No. M4455-77

- The fuse puller is used to install, keep or pull out fuses from energised equipment
- Grip adjusted to desired position for fuses from dia. 13 to 38mm
- Fuse puller angle is pre-set and locked with wing nut
- Fits standard 'sunrise' universal hotstick fitting

LIVE LINE TOOLING

RITZ CONDUCTOR CLEANING BRUSH

Unit: EA Qty: 1



Part No. M4455-93

- Hand held conductor cleaning brush for scratch brushing conductors
- Fibreglass handle with short wire steel brush
- Excellent for cleaning oxide from aluminium conductors
- Weight 0.18kg

RITZ TREE TRIMMING KIT

Unit: EA Qty: 1



Part No. FLV-2106-4

- Kit contains sectional Hotsticks - 4x sections (base + 2x intermediary + top)
- Universal tree trimmer (H2106) and pruning saw (Part No. M4455-26A)
- Disconnect (M4455-9), pistol grip (M4455-66) saw and a carry bag
- All accessories connect to hotsticks via universal 'sunrise' head

RITZ TREE TRIMMER

Unit: EA Qty: 1



Part No. H2106-4

- The tree trimming head is designed to cut tree branches near energised electrical systems
- The tree trimmer is attached to a hotstick
- Insulated rope (7.6m) is used to operate the cutter
- The tree trimmer fits standard 'sunrise' universal hotsticks

RITZ BAGS AND BUCKET

RITZ LINEMAN BUCKET 305 X 380MM DEEP

Unit: EA Qty: 1



Part No. C417-0144

- Material: Vinyl
- Colour: Orange
- Weight 0.49kg

RITZ INSULATED BENCH

RITZ INSULATED BENCH

Unit: EA Qty: 1



Part No. RCI-755

- The insulating bench is suitable to insulate an operator from ground potential and for use when working on energised equipment
- Fibreglass fabrication with removable legs - easy storage
- Anti-slip surface and orange colour
- Working load 120 DaN (approximately 120kg) at up to 40kV
- Alternate Ritz Part No. FLV12564-1

RITZ CONSUMABLES

RITZ HOT STICK WIPING CLOTH 500X500MM

Unit: EA Qty: 1



Part No. H1904/B

- Silicone-soaked hot stick wiping cloth for surface treatment of insulating hot sticks
- Pack of one cloth 500mm X 500mm. Weight: 0.08kg
- Offers superficial protection layer on live line hot sticks
- Preventative protection for hotsticks and telescopic sticks

JUMPER AND EARTH CLAMPS

RITZ JUMP AND EARTH CLAMP

RITZ INSULATED JUMPER CLAMP

Unit: EA Qty: 1



Part No. G4765

- Insulated clamp for hand tightening on conductors for by-passing during maintenance on energized systems up to 25kV
- Clamps onto bare conductor with diameters from 4 to 22 mm
- Current rating 400A, Use for Cu, AAC, AAAC or ACSR
- Weight excluding cable: 2.5kg

RITZ SNATCH BLOCK

Unit: EA Qty: 1



Part No. 2230-1

- Pulley (snatch block) for lifting and handling loads during construction and maintenance on electrical systems
- Forged steel hook, safety lock and hinged attachment
- Aluminium pulley body and steel locking pin
- Suitable for rope up to 5/8 inch diameter
- Working load up to 567DaN. Weight: 1.1kg

RITZ C-TYPE CLAMP

Unit: EA Qty: 1



Part No. C600-1743

- Aluminium clamp with 'shotgun' attached eye screw for tightening on conductors for by-passing or clamping to earth
- Requires threaded lug for jumper cable connection: max. 95 sq. mm
- Current rating 400A, 30kA for 30 cycles and 26kA for 60 cycles
- Installation torque: 3 DaN, weight: 0.72kg
- ASTM designation: Type 1, Class A, Grade 5

SOCKET BALL TEMPORARY GROUNDING CLAMP

Unit: EA Qty: 1



Part No. FLV-3584

- Ball and socket temporary earthing clamp
- 30kA for 30 sec or 23kA for 60 sec
- Fits 25mm² to 95mm² heavy duty lugs and conductor

RITZ SUBSTATION EARTH/GROUND CLAMP

Unit: EA Qty: 1



Part No. G3367-1

- Bronze earthing clamp with eye-screw application with shotgun hotstick
- Current rating 400A, 30kA for 30 cycles and 23kA for 60 cycles
- Clamping range between dia. 6mm to 63.5mm
- Cable connection from 16 to 95mm² ferrule clamp
- Installation torque 3 DaN. Weight 2,12kg

RITZ SNAP ON DUCK BILL CLAMP

Unit: EA Qty: 1



Part No. G3622-1

- Aluminium body, duck billed clamp with 'shotgun eye'. Screw fastening to conductors
- Jumper cable connection 16 to 95mm² ferruled conductor
- Current rating 400A, 30kA 30 cycles, 23kA 60 cycles
- Clamping conductor diameter up to 29 mm diameter, Cu, AAC, ACSR,
- ASTM designation: Type III, Class A, Grade 5

LIVE LINE TOOLING

ALL-ANGLE SUBSTATION & TRANS LINE CLAMP

Unit: EA Qty: 1



Part No. G4228-10SJ

- Aluminium clamp with four serrated jaws providing angular application up to 75 degree with shotgun hotstick
- Fastening applied with shotgun hotstick via bronze eye-screw
- Jumper cable connection 16 to 95mm² with ferruled clamp
- Current rating 400A, 30kA 30 cycles, 23kA for 60 cycles
- ASTM designation: Type I, class B, grade 5

RITZ STALK LUG 50MM TERMINAL ALUMINIUM

Unit: EA Qty: 1



Part No. C600-2627

- 50mm² screw-in threaded Cu lug
- Fits clamp C600-1743 or G3622-1
- Copper lug with lock nut and washer

RITZ STALK LUG 70MM TERMINAL ALUMINIUM

Unit: EA Qty: 1



Part No. C600-2628

- 70mm² screw-in threaded Cu lug
- Fits clamp C600-1743 or G3622-1
- Copper lug with lock nut and washer.

WARNING AND RESCUE TOOLS

RITZ RESCUE STICKS

RITZ RESCUE STICK

Unit: EA Qty: 1



Part No. BSR-01

- The central arm of the stick is made of insulated fibre glass, for electrical insulation
- Nominal stick length: 2.5m
- Weight: 2.6kg

COVERS AND SPECIALISED EQUIPMENT

RITZ COVERS

RITZ CONDUCT COVER - RIGID CLASS IV 36KV

Unit: EA Qty: 1



Part No. C406-0514GA

- Protective line covers offer a degree of protection for line workers during maintenance on energised systems
- Covers fit firmly into adjacent covers with interlocking profile
- Rated for live line work up to 36kV
- This cover can be applied at a distance with a suitable hotstick
- Various covers are available for lines, insulators, bushings, etc

RITZ CONDUCTOR COVERS

Unit: EA Qty: 1



Part No. P406-0184

- Protective line covers offer a degree of protection for line workers during maintenance on energised systems
- Covers fit firmly into adjacent covers with interlocking profile
- Rated for live line work up to 36kV
- This cover can be installed with glove and barrier method
- Various covers are available for lines, insulators, bushings, etc



RITZ BUSHING PROTECTION

Unit: EA Qty: 1



Part No. TPB-01

- Bushing cover for transformers offer protection for birds and small animals
- The cover can be installed on various cable sizes
- Dia. Base:108mm, body: 87mm, height: 211mm
- Weight 0.11kg
- Alternative Ritz Part No. CAB18644-1

10 THINGS TO RECONSIDER WITH YOUR PORTABLE EARTHING DEVICE

1. Is part and component replacement easy?
2. Is there pull testing on the cable and joints?
3. Is there cable sway testing on the cable and joints?
4. Is there fault current testing on the cable, clamps or joints?
5. Is it IEC compliant, certified and tested?
6. Can you easily inspect for corrosion in the cable?
7. Can clamps work themselves loose?
8. Does the cable have enough protection at joins to avoid cable fraying?
9. Do you often have failures and need to replace units?
10. Are replacement units readily available, or do you need to tie up cash and hold your own stock?

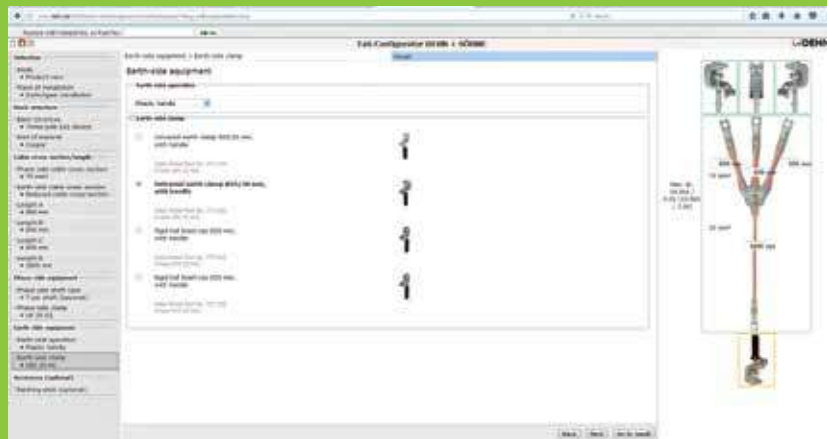


EASY ONLINE CONFIGURATION OF EARTHING AND SHORT-CIRCUITING DEVICES

The new earthing and short-circuiting configurator allows easy, quick and safe online configuration of your earthing and short-circuiting device (EaS). Quickly select the right earthing and short-circuiting device for your application via the intuitive menu navigation. The configuration of the connecting parts and earthing cables is precise and perfectly harmonised.

The variant number allows to clearly identify the finished product and order it at a later date. You may also use the Part No. of your previous orders for configuration.

The result of your selection can be added to the shopping cart, sent via email or printed. The technical data of the product are directly linked - online and thus always up to date.



Example of using easy EaS Online Configurator.



Easy online configuration of earthing and short circuit devices
“EAS CONFIGURATOR”.

Visit www.dehn-international.com/en/easy-online-configuration-earthing-and-short-circuiting-devices

Or scan QR code with your smartphone to go directly to the website.

CUSTOM TEMPORARY EARTH SETS - ORDER FORM

PORTABLE EARTHING DEVICES - HV EARTHING SET FOR OH LINES OR SWITCHBOARD

STEP 1: CHOOSE YOUR CABLE SIZE

Cable Cross Section / Max Short Circuit Current (@ 0.5sec)

16mm ² / 4,500A	25mm ² / 7,000A	35mm ² / 10,000A	50mm ² / 14,000A	70mm ² / 19,500A	95mm ² / 26,500A	120mm ² / 33,500A	150mm ² / 42,000A
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STEP 2: CHOOSE YOUR CLAMP TYPE

Ball	Universal	OH Line
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STEP 3: CHOOSE YOUR CABLE LENGTHS

- Standard Switchboard earths are 600mm (A/B/C) and 1800mm (Earth)
- Standard Overhead earths are 2000mm (A/B/C) and 7000mm (Earth)

NB: Cable lengths can be tailored to suit your needs.

ACCESSORIES NEEDED:		
	QTY	PART No
STICKS		D-761011
		D-761016
		D-769500
BALL + PIN		D-754235
		D-754200
		D-755200
		D-755275

CABLE SIZE

CABLE LENGTH

CLAMP TYPE

CABLE SIZE

CABLE LENGTH

CLAMP TYPE

CABLE SIZE

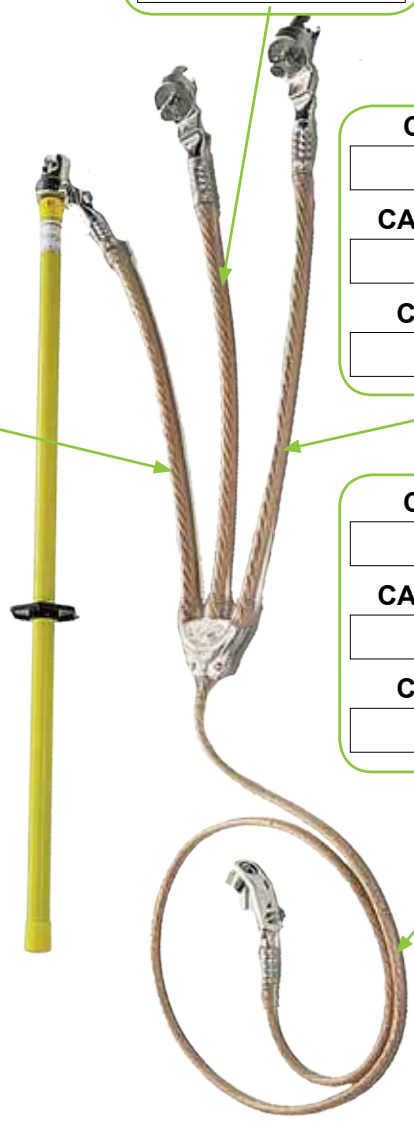
CABLE LENGTH

CLAMP TYPE

CABLE SIZE

CABLE LENGTH

CLAMP TYPE



Company:
Contact Name:
Phone:
Fax:
Email:
Mobile:

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EARTHING PRODUCTS

EARTHING RODS, CABLES AND SETS

DEHN EARTHING RODS

TWO POLE PHASE COMPARATOR INDOOR

Unit: EA Qty: 1



Part No. D-759300

- Easy to use two-pole PHV phase comparator
- Cost-effective and easy to transport
- Indoor use only (not weather resistant)
- Must choose correct attachments

HV SZ FUSE TONGS

Unit: EA Qty: 1



Part No. D-765040

- Designed for removing/installing SZ fuses
- Clamping jaws operated by turning adjustable handle
- For indoor and outdoor installations, but not wet weather

1M INSUL ROD FOR FITTING PEDS

Unit: EA Qty: 1



Part No. D-761011

- Portable Earthing Device application stick with T-pin attachment
- Durable fibreglass with plastic head
- Solid - not extendable
- Length: 1m

1.5M INSUL ROD FOR FITTING PED

Unit: EA Qty: 1



Part No. D-761016

- Portable Earthing Device application stick with T-pin attachment
- Durable fibreglass with plastic head
- Solid - not extendable
- Length: 1.5m

TELESCOPIC EARTH ROD 5M

Unit: EA Qty: 1



Part No. D-769500

- Portable Earthing Device application stick with T-pin attachment
- Durable fibreglass and metal head for strength
- Length: 5.5m (fully extended)

LV INSULATED EARTHING HANDLE W SUNDIAL

Unit: EA Qty: 1



Part No. D-745415-S

- Dehn fibreglass low voltage insulated earthing handle with sundial fitting
- To be used with fuse puller attachment (Part No. HSFP)
- Ideal for pulling service fuses from close proximity
- Use for systems less than 1000 volt only
- Length: 360mm

HV DISCHARGE DEVICE 465MM

Unit: EA Qty: 1



Part No. D-758021

- Short HV discharge device designed to safely, easily and effectively discharge residual voltages from equipment after HV testing
- Insulated stick - 465mm long, with handle
- High quality Copper cable
- Welding style earth clamp
- Cable length: 3500mm

HV DISCHARGE DEVICE 2M

Unit: EA Qty: 1



Part No. D-758003

- Long HV discharge device designed to safely, easily and effectively discharge residual voltages from equipment after HV testing
- Insulated stick - 2000mm long, with handle
- High quality Copper cable
- Welding style earth clamp
- Cable length: 3500mm

FIXED BALL POINT 25MM/M12 (F)

Unit: EA Qty: 1



Part No. D-755200

- Fixed ball point - portable earthing device attachment point
- Forged for extra strength
- 25mm diameter
- Female fastening

FIXED BALL POINT 25MM/M12

Unit: EA Qty: 1



Part No. D-755225

- Straight ball joint with M12 x 25mm threaded pin and self-locking nut
- Fixed ball dia. = 25mm
- Standard EN/IEC 61230 (DIN VDE 0683-100) and based on DIN 48088-1

FIXED BALL POINT 25MM/M12X45MM

Unit: EA Qty: 1



Part No. D-755245

- Straight with Threaded Pin and Self-locking Nut
- Manufactured to meet the requirements of Standard IEC 61230
- Maximum cable cross-section 150mm²

CLAMP FOR BALL AND PIN D-25MM

Unit: EA Qty: 1



Part No. D-772321

- Portable Earthing Device clamp specifically for ball lock pin attachment points
- Rigid ball head cap with T-pin shaft
- Suitable for 25mm fixed diameter ball point
- Forged for extra strength

EARTHING PRODUCTS

CLAMP UNI T-PIN SHAFT LONG

Unit: EA Qty: 1



Part No. D-773331

- Earthing clamp for portable earthing devices
- Fits round conductor
- Fits flat conductor
- Fits ball points
- Long bayonet shaft

CLAMP UNIVERSAL UP TO D30MM

Unit: EA Qty: 1



Part No. D-773330

- Light-weight German engineered universal earthing clamp
- Suits Busbars
- Suits overhead lines
- Suits ball-and-pin points

CLAMP FOR BALL AND PIN D-20MM

Unit: EA Qty: 1



Part No. D-772331

- Portable Earthing Device clamp specifically for ball lock pin attachment points
- Adjustable Ball Head Cap (4x 90 degrees), T Pin Shaft
- For fixed ball point diameter 20mm
- For cable cross-section Cu 16 ... 120 mm²
- EN/IEC 61230 (DIN VDE 0683-100), threaded T pin shaft DIN 48087

CLAMP UNIVERSAL W HANDLE

Unit: EA Qty: 1



Part No. D-774251

- For flat and round conductors up to 30 mm and fixed ball points, ball Ø 25 mm
- Universal clamp with plastic handle
- Recommended earth connecting elements for railway applications

CLAMP FOR OH CABLE D10-85MM

Unit: EA Qty: 1



Part No. D-784085

- Light-weight German engineered overhead line earth cable clamp
- Durable cast construction
- Anti-friction thread
- Fits 10-85mm lines

EARTHING CLAMP BARE

Unit: EA Qty: 1



Part No. D-745502

- To be connected to the earth cable end of earthing and short-circuiting devices for cable distribution cabinets
- Bare Earth Clamp with Wing Bolt
- Clamping range: Up to 20mm
- With M8 pin, anti-rotation element and nut

SINGLE POLE EARTH SET 70MM X 5M

Unit: EA Qty: 1



Part No. D-776470-SET

- 70mm² Portable Earthing Device made by DEHN in Germany and rated to 13.8kA for 1 sec
- Single jumper 5m length
- Universal clamps with bayonet attachment
- IEC Certification
- Quality construction for longer life

SINGLE POLE EARTH SET 95MM X 5M

Unit: EA Qty: 1



Part No. D-776495-SET

- 95mm² Portable Earthing Device made by DEHN in Germany and rated to 18.7kA for 1 sec
- Single jumper 5m length
- Universal clamps with bayonet attachment
- IEC Certification
- Quality construction for longer life

SINGLE POLE EARTH SET 120MM X 5M

Unit: EA Qty: 1



Part No. D-776412-SET

- 120mm² Portable Earthing Device made by DEHN in Germany and rated to 23.7kA for 1 sec
- Single jumper 5m length
- Universal clamps with bayonet attachment
- IEC Certification
- Quality construction for longer life

SINGLE POLE EARTH SET 150MM X 5M

Unit: EA Qty: 1



Part No. D-776415-SET

- 150mm² Portable Earthing Device made by DEHN in Germany and rated to 29.6kA for 1 sec
- Single jumper 5m length
- Universal clamps with bayonet attachment
- IEC Certification
- Quality construction for longer life

EARTHING PRODUCTS

DEHN OH EARTH CABLE AND SETS



- German engineered, ultra high quality Copper trifurcating earthing cable set
- 2m A/B/C Tails
- 7m earth tail
- Advanced rubber moulding and insulation

Part No.	Description	Unit	Qty
D-770604-S	OH EARTH 70/35 MM2 CABLE	EA	1
D-770604-S-SET	OH EARTH SET 70/35 MM2	EA	1
D-795604-S	OH EARTH 95/35 MM2 CABLE	EA	1
D-795604-S-SET	OH EARTH SET 95/35 MM2	EA	1
D-712604-S	OH EARTH 120/50 MM2 CABLE	EA	1
D-712604-S-SET	OH EARTH SET 120/50 MM2	EA	1

DEHN SB EARTH CABLE AND SETS



- German engineered, ultra high quality Copper trifurcating earthing cable set
- 600mm A/B/C Tails
- 1800mm earth tail
- Advanced rubber moulding and insulation

Part No.	Description	Unit	Qty
D-770604	SB EARTH 70/35 MM2 CABLE	EA	1
D-770604-SET	SB EARTH SET 70/35 MM2	EA	1
D-795604	SB EARTH 95/35 MM2 CABLE	EA	1
D-795604-SET	SB EARTH SET 95/35 MM2	EA	1
D-712604	SB EARTH 120/50 MM2 CABLE	EA	1
D-712604-SET	SB EARTH SET 120/50MM2	EA	1

EARTH CLAMP (ECA1514)

Unit: EA Qty: 1



Part No. REC35-120

- Earth rod clamps are cast in high copper content alloy and fitted with stainless steel U-bolts, nuts and spring washers
- Accommodate earth rods within the range 13 to 15mm diameter
- Cable Range 35-120mm²

EARTH CLAMP 19MMROD/16-120MMCBL(ECP1914)

Unit: EA Qty: 1



Part No. REP16-120

- Earth rod clamps consist of a single piece high copper alloy casting contoured to accept a wide range earthing conductors
- The earthing conductor is clamped directly to the earth rod
- The U-bolt, nuts and spring washers are stainless steel
- Cable Range 16-120mm²
- Rod Diameter 17-19mm

EARTH DRIVING HEAD TO SUIT CDR 19MM

Unit: EA Qty: 1



Part No. DHT-19

- 19mm hand driving head (average driving)
- Driving heads are used to reduce the chance of damage to the rod

EARTHING NUTS

CABAC EARTHING NUTS



- Hexagon brass locknut with threaded holes for locking grub screws
- Quick fit earth for glands with SWA and EMC
- Secure and direct connection even when mechanically pulled
- Simple to use with one spanner fit and tested to BS EN 50262

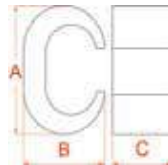
Part No.	Description	Unit	Qty
EN20	EARTHING NUT 20MM	PAK	10
EN25	EARTHING NUT 25MM	PAK	10
EN32	EARTHING NUT 32MM	PAK	4
EN40	EARTHING NUT 40MM	PAK	2
EN50	EARTHING NUT 50MM	PAK	2
EN63	EARTHING NUT 63MM	EA	1
EN75	EARTHING NUT 75MM	EA	1

COPPER C CONNECTORS

CABAC C CONNECTORS STANDARD



- Conventional C-Connectors for joining and tapping copper conductors
- Suitable for bonding earthing conductors
- Made from 99.9% pure copper
- Heat cycle test to IEEE 837 clause 8



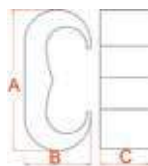
Part No.	Conductor Range Run or Tap (mm ²) Min	Conductor Range Run or Tap (mm ²) Max	A (mm)	B (mm)	C (mm)	Crimp Die 5 Tonne	Crimp Die 13 Tonne 'C'	Unit	Qty
CACC25	16	25	21.4	13	17	MC25-50	MC25-C	EA	1
CACC35	35	35	26.6	15.6	21	MC35-50	MC35-C	EA	1
CACC70	50	70	34.2	21	28	-	MC70-C	EA	1
CACC95	70	95	41	26	29.4	-	MC95-C	EA	1
CACC120	110	125	45	28	30	-	MC185-C	EA	1

EARTHING PRODUCTS

CABAC C CONNECTORS WIDE JAW



- Heavy duty, wide jaw C-connectors for joining and tapping copper conductors
- Suitable for direct burial and resistant to corrosion
- Suitable for earthing networks
- Tested to IEEE 837
- Made from 99.9% pure copper

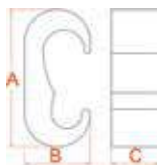


Part No.	Conductor Range Run or Tap (mm ²) Min	Conductor Range Run or Tap (mm ²) Max	A (mm)	B (mm)	C (mm)	Crimp Die 5 Tonne	Crimp Die 13 Tonne 'C'	Unit	Qty
CACD35	10	35	30	14.3	19	MC35-50	HT130-CC	EA	1
CACD70	35	70	39	19	19	-	HT130-C0	EA	1
CACD120	95	120	52	24	22	-	HT130-C997	EA	1
CACD240	150	240	74	34.4	28	-	HT130-C1011	EA	1

CABAC C CONNECTORS MULTI FIT



- Heavy duty multi-fit C-connectors for joining and tapping copper conductors of varying sizes
- Suitable for direct burial and resistant to corrosion
- Suitable for earthing networks
- Tested to IEEE 837
- Made from 99.9% pure copper

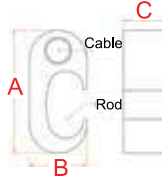


Part No.	Conductor Range Run Min (mm ²)	Conductor Range Run (mm ²) Max	Conductor Range Tap (mm ²) Min	Conductor Range Tap (mm ²) Max	A (mm)	B (mm)	C (mm)	Crimp Die 13 Tonne 'C'	Unit	Qty
CACE35/70	35	70	10	35	36	18.3	19	HT130-C0	EA	1
CACE70/120	95	120	10	70	50	23.7	19	HT130-C997	EA	1
CACE70/240	150	240	10	70	62	30.9	22	HT130-C1011	EA	1
CACE120/240	150	240	95	120	68	33.9	28	HT130-C1011	EA	1

TAP OFF EARTH ROD



- Heavy duty, earth rod (diameter 13, 14 and 15mm) tap off, C-connectors for tapping copper conductors
- Suitable for direct burial and resistant to corrosion
- Suitable for earthing networks
- Refer to CAEC70 for tests to IEEE 837
- Made from 99.9% pure copper



Part No.	Tap Off (mm ²)	A (mm)	B (mm)	C (mm)	Crimp Die	Unit	Qty
CAEC1.5	1.5	53	23	19	HT-CAEC	EA	1
CAEC2.5	2.5	53	23	19	HT-CAEC	EA	1
CAEC4	4	53	23	19	HT-CAEC	EA	1
CAEC6	6	53	23	19	HT-CAEC	EA	1
CAEC10	10	53	23	19	HT-CAEC	EA	1
CAEC16	16	53	23	19	HT-CAEC	EA	1
CAEC25	25	53	23	19	HT-CAEC	EA	1
CAEC35	35	53	23	19	HT-CAEC	EA	1
CAEC50	50	53	23	19	HT-CAEC	EA	1
CAEC70	70	53	23	19	HT-CAEC	EA	1
CAEC95	95	53	23	19	HT-CAEC	EA	1
CAEC120	120	53	23	19	HT-CAEC	EA	1

EARTH ROD CONNECTION BOXES

CABAC

EARTHROD BOX POLYCRETE W ALUMIN LIDS

Unit: EA Qty: 1



Part No. ERB2

- Polymer concrete pit construction offers excellent strength to weight ratio, excellent electrical resistivity and low porosity
- High resistance to chemicals, weathering or biological attack
- 40mm diameter cable entry at back of body
- Dimensions: 200mm X 220mm X 150mm

EARTH ROD CONN BOX POLYCRETE 200X220X150

Unit: EA Qty: 1



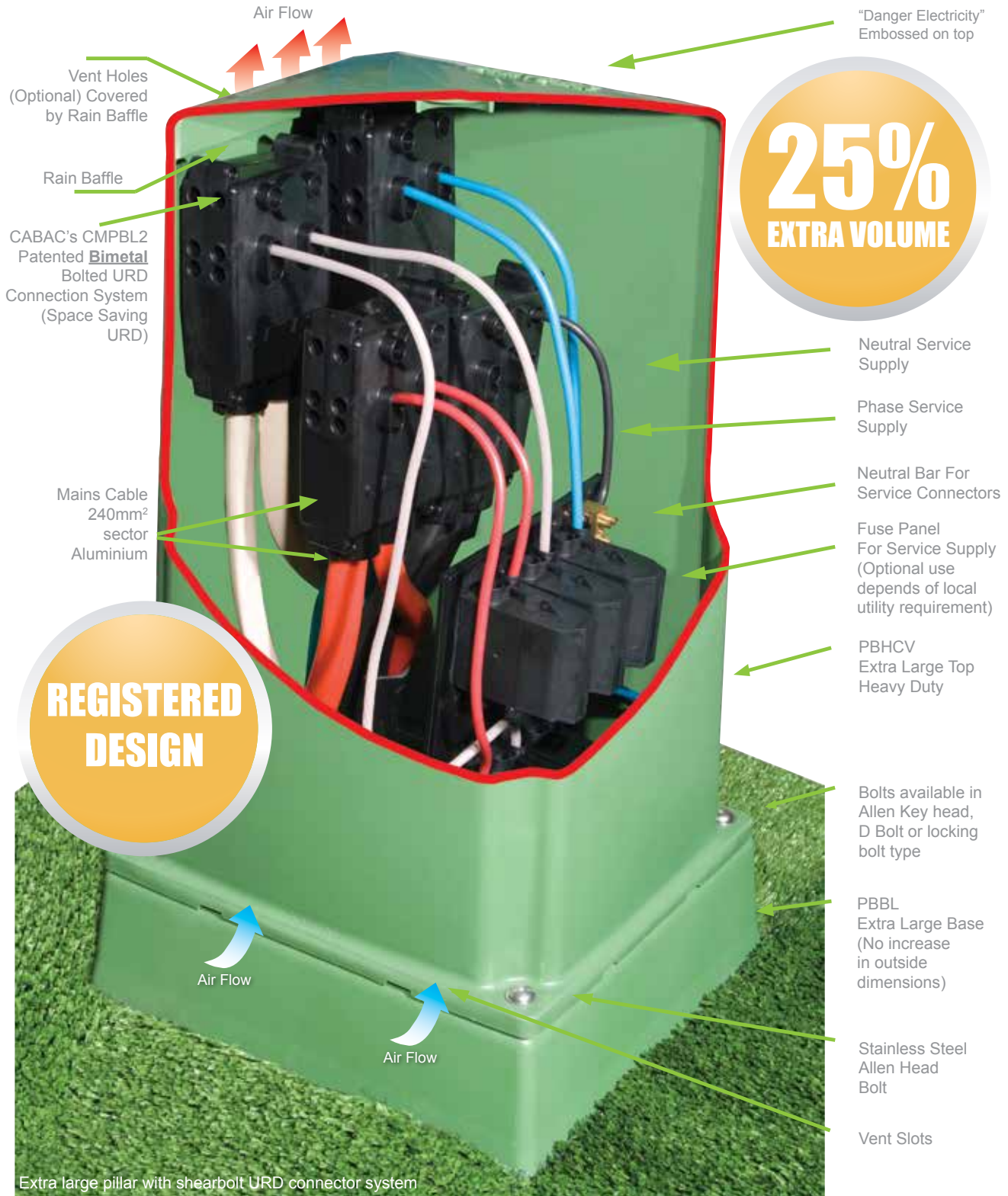
Part No. ERB3

- Polymer concrete pit construction offers excellent strength to weight ratio, excellent electrical resistivity and low porosity
- High resistance to chemicals, weathering or biological attack
- 40mm diameter cable entry at back of body
- Dimensions: 220mm X 220mm X 150mm

Extra Large Pillar Top & Base



CABAC's extra large tops & bases allow for increased work space and are interchangeable with standard tops & bases.

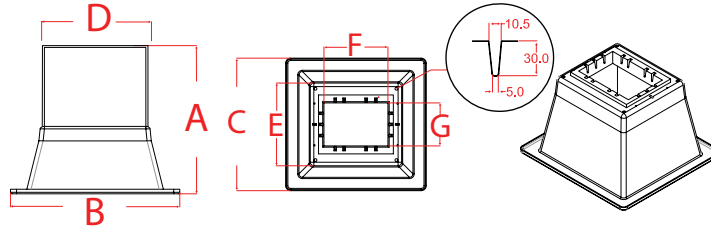


KITS

PILLAR LID AND BASE KITS



- A quality and cost effective distribution cover accommodating all standard underground cable reticulation requirements
- Baffle system design diverts water condensation to the outside
- Made from recyclable material
- Tops and bases are interchangeable with standard and large range

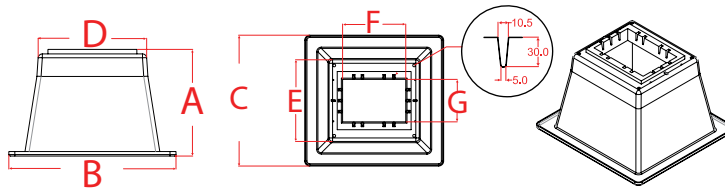


Part No.	Description	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Unit	Qty
PBS-KITV	SHORT PILLAR LID BASE VENT GREEN DBOLT	645	560	524	320	234	260	180	EA	1
PBS-KIT	SHORT PILLAR LID BASE NOVENT GREEN DBOLT	645	560	524	320	234	260	180	EA	1
PBS-B-KITV	SHORT PILLAR LID BASE VENT BEIGE DBOLT	645	560	524	320	234	260	180	EA	1
PBS-B-KIT	SHORT PILLAR LID BASE NOVENT BEIGE DBOLT	645	560	524	320	234	260	180	EA	1
PBL-KITV	TALL PILLAR LID BASE VENT GREEN DBOLT	885	560	524	360	320	286	222	EA	1
PBL-KIT	TALL PILLAR LID BASE NOVENT GREEN DBOLT	885	560	524	360	320	286	222	EA	1
PBL-B-KITV	TALL PILLAR LID BASE VENT BEIGE DBOLT	885	560	524	360	320	286	222	EA	1
PBL-B-KIT	TALL PILLAR LID BASE NOVENT BEIGE DBOLT	885	560	524	360	320	286	222	EA	1

SPLIT BASE KITS



- An all purpose moulded plastic base to suit direct burial or slab mounting
- Base can be attached to steel framework and stabilised
- Suitable for repairing damaged pillars bases
- Corrosion proof brass inserts for cover bolts
- Light for ease of handling and storage



Part No.	Description	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Unit	Qty
SBK-G-IM-SDK	SPLIT BASE GREEN WITH ASSEMBLY KIT	355	557	524	362	329	253	170	EA	1

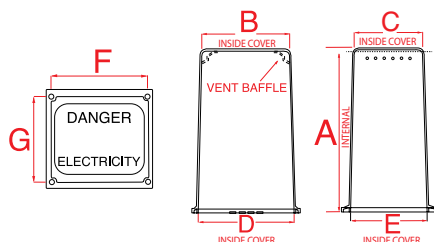
PILLARS AND ACCESSORIES

LIDS AND BASES

PILLAR LIDS TALL GREEN



- A quality and cost effective distribution cover accommodating all standard underground cable reticulation requirements
- Baffle system design diverts water condensation to the outside
- Made from recyclable material
- Tops and bases are interchangeable with standard and large range

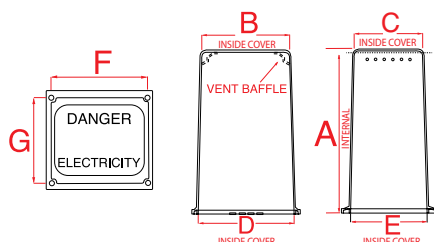


Part No.	Description	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Unit	Qty
PBL-G-V	TALL PILLAR LID VENTED GREEN	545	290	222	315	248	320	282	EA	1
PBHCV	PILLAR LID HIGH CAPACITY VENTED	555	311	269	340	298	320	282	EA	1
PBL-G-NV-SD	TALL PILLAR LID NON VENTED GREEN	545	290	222	315	248	320	282	EA	1

PILLAR LIDS TALL BEIGE



- A quality and cost effective distribution cover accommodating all standard underground cable reticulation requirements
- Baffle system design diverts water condensation to the outside
- Made from recyclable material
- Tops and bases are interchangeable with standard and large range

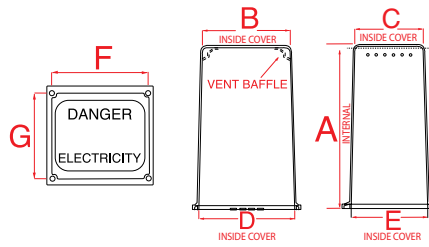


Part No.	Description	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Unit	Qty
PBL-B-NV-SD	TALL PILLAR LID NON VENTED BEIGE	545	290	222	315	248	320	282	EA	1
PBL-B-V	TALL PILLAR LID VENTED BEIGE	545	290	222	315	248	320	282	EA	1

PILLAR LIDS SHORT GREEN



- A quality and cost effective distribution cover accommodating all standard underground cable reticulation requirements
- Baffle system design diverts water condensation to the outside
- Made from recyclable material
- Tops and bases are interchangeable with standard and large range

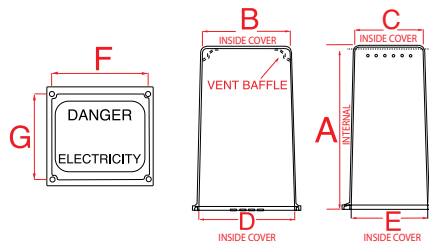


Part No.	Description	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Unit	Qty
PBS-G-V	SHORT PILLAR LID VENTED GREEN	315	290	232	315	248	320	282	EA	1
PBS-G-NV-SD	SHORT PILLAR LID NON VENTED GREEN	315	290	232	315	248	320	282	EA	1

PILLAR LIDS SHORT BEIGE



- A quality and cost effective distribution cover accommodating all standard underground cable reticulation requirements
- Baffle system design diverts water condensation to the outside
- Made from recyclable material
- Tops and bases are interchangeable with standard and large range



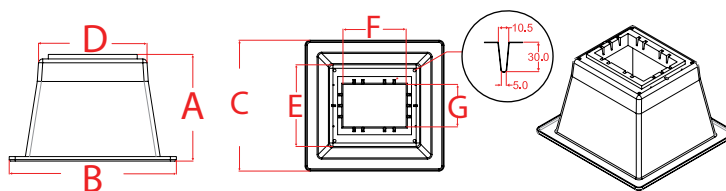
Part No.	Description	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Unit	Qty
PBS-B-V-SD	SHORT PILLAR VENTED BEIGE	315	290	232	315	248	320	282	EA	1
PBS-B-NV-SD	SHORT PILLAR NON VENTED BEIGE	315	290	232	315	248	320	282	EA	1

PILLARS AND ACCESSORIES

PILLAR BASES LARGE HC



- Fits the CABAC standard and special designed high capacity vented pillar box
- Pillar box lid provides an additional 25.7% internal capacity
- Base has wide mouth 326x224mm to fit large cables
- New innovative concept for extra space
- Fuse panel adaptors available (FPB, set of two)

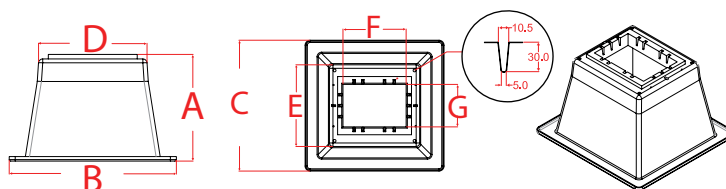


Part No.	Description	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Unit	Qty
PBBL	PILLAR BASE LARGE OPENING GREEN	344	557	524	359	326	287	224	EA	1
PBBL-G-I-BBK	PILLAR BASE LARGE MOUTH W BUTTBOLTS - GR	344	557	524	359	326	287	224	EA	1
PBBL-G-I-CWK	PILLAR BASE LARGE MOUTH W DBOLTS- GREEN	344	557	524	359	326	287	224	EA	1

PILLAR BASES GREEN



- An all purpose moulded plastic base to suit direct burial or slab mounting
- Base can be attached to steel framework and stabilised
- Light for ease of handling and storage
- Corrosion proof brass inserts for cover bolts

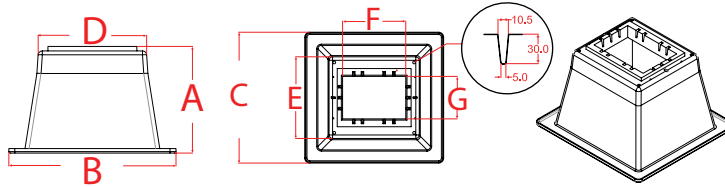


Part No.	Description	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Unit	Qty
PBB-G-IM-BBK	PILLAR BASE WITH BUTTON BOLT KIT - GREEN	355	557	524	362	329	253	170	EA	1
PBB-G-IM-SDI	PILLAR BASE WITH INSERTS GREEN	355	557	524	362	329	253	170	EA	1
PBB-G-IM-CWK	PILLAR BASE WITH D BOLT KIT GREEN	355	557	524	362	329	253	170	EA	1

PILLAR BASES BEIGE



- An all purpose moulded plastic base to suit direct burial or slab mounting
- Base can be attached to steel framework and stabilised
- Light for ease of handling and storage
- Corrosion proof brass inserts for cover bolts



Part No.	Description	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Unit	Qty
PBB-B-IM-SDI	PILLAR BASE WITH INSERTS BEIGE	355	557	524	362	329	253	170	EA	1

TOOLS AND ACCESSORIES

TOOLS AND ACCESSORIES

D-HEAD BOLTS SINGLE C/W CAPTIVE WASHER

Unit: EA Qty: 1



Part No. DBI-SS-10-30

- Bolt for pillar box assembly to deter unauthorised entry with captive washer
- Manufactured from 304 stainless steel M10x30mm
- Requires a tube spanner (Part No. DB-TBSS)
- Alternative drive bit for cordless drill (Part No. D-SOCKET)
- Allen key bolts also available

D-HEAD BOLT SET OF 4 C/W CAPTIVE WASHER

Unit: EA Qty: 1



Part No. DBI-SS-10-30K

- SET OF FOUR D-bolts for pillar box assembly to deter unauthorised entry with captive washer
- Manufactured from 304 stainless steel M10x30mm
- Requires a tube spanner (Part No. DB-TBSS)
- Alternative drive bit for cordless drill (Part No. D-SOCKET)
- Allen key bolts also available

SS304 D HEAD BOLT WASHER AND ORING KIT

Unit: EA Qty: 1



Part No. DBI-SS-10-70

- Bolts for pillar box assembly to deter unauthorised entry with captive washer & O-ring
- Manufactured from 304 stainless steel M10x70mm
- Requires a tube spanner (Part No. DB-TBSS)
- Alternative drive bit for cordless drill (Part No. D-SOCKET)
- Allen key bolts also available

D-BOLT SOCKET CHROME PLATED

Unit: EA Qty: 1



Part No. D-SOCKET

- Bolts for pillar box assembly to deter unauthorised entry
- Manufactured from mild steel
- D-bolt requires a special tube spanner (Part No. D-SOCKET)
- Also available in Allen Head

PILLARS AND ACCESSORIES

D-BOLT T BAR SOCKET SPANNER

Unit: EA Qty: 1



Part No. DB-TBSS

- Designed for manual use with CABAC D-bolt pillar box bolts
- Long handle clears the top of the pillar box
- Cordless drill socket drive also available (Part No. D-SOCKET)

PILLAR BOX LOCKING BOLT

Unit: EA Qty: 1



Part No. PBLB

- Bolt to deter unauthorised entry and lock
- Stainless steel bolt with hole for padlock
- Fits into pillar base to fasten lid

BUTTON HEAD BOLT & WASHER PK4 M10X30

Unit: EA Qty: 1



Part No. BUTM10K

- Kit of 4 Allen key bolts for pillar box assembly to deter unauthorised entry set of four with washers
- Manufactured from 304 stainless steel M10x30mm
- Requires standard allen keys
- D-bolt version also available
- D-Bolts require special tools (D-SOCKET or DB-TBSS)

FUSE PANELS

FUSE PANEL ACCESSORIES

6 FUSE PANEL CROSS RD SLOTTED WIRED

Unit: EA Qty: 1



Part No. 6F-MPM-AS-SL-WCR

- Assembled fuse panels for URD pillars with three wiring slots
- Fitted with wired fuse holders and neutral bar
- Accommodates 22 x 57 BS1361 fuses (not supplied)
- Fits into pillar base slots of FPB adaptor for PBBL
- Qld. Cross rds. with fuses holders wired through slots
- Panel made from moulded thermoplastic

6 FUSE PANEL SUPPLY PILLAR SLOTTED WIRED

Unit: EA Qty: 1



Part No. 6F-MPM-AS-SL-WSP

- Assembled fuse panels for URD pillars with three wiring slots.
- Fits into pillar base slots of FPB adaptor for PBBL
- Fitted with fuse holders and neutral bar.
- Accommodates 22 x 57 BS1361 fuses (not supplied)
- Qld. supply pillar with wire tails & fuse holders wired via slots
- Panel made from moulded thermoplastic

6 FUSE PANEL ASSEMBLY 125AMP

Unit: EA Qty: 1



Part No. 6F-MPM-AS-SQ-125

- Standard fuse panel assembly for pillar base with thermoplastic panel board.
- 6 x S7125BWQ clear fuse holders 125A with links
- Includes neutral bar
- Suitable for pillars with long lids
- Alternative designs available on request

FUSE PANEL SPRING CLIP (1)

Unit: BAG Qty: 2

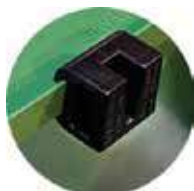


Part No. FPC-SW-VC-SD

- Securing clip designed for use with KULAK fuse panels
- Fits into hole in fuse panel and under mouth of pillar base
- Spring steel clip

FUSE PANEL MOUNTING BLOCK

Unit: BAG Qty: 2



Part No. FPB

- Designed to fit series of PBFP fuse panels to PBBL
- Supplied in pairs
- Fits in large base (PBBL) opening to support fuse panels

NEUTRAL LINK 5 HOLE

Unit: EA Qty: 1



Part No. NLA-1L-SQ

- Brass earth/neutral bar
- 16mm2 x5 holes with two screw per hole
- 16mm2 lug for neutral connection

125A METER LINK CLEAR

Unit: EA Qty: 1



Part No. S7125BWQ

- Fuse panel accessories
- 125A fuse holder, clear for URD pillars
- Fit AS60269 22x57mm fuses

100A FRONT WIRED FUSE BASE & CARRIER

Unit: EA Qty: 1



Part No. S7QLD2AFW

- Fuse panel accessory
- 100A fuse holder, black for URD pillars
- Fit AS60269 22x57mm fuses

FUSE PANEL ASSEMBLIES



- Thermoplastic panel with tapered edges to engage slots in the pillar base
- A range of popular panel assemblies available with fuse holders
- Includes earth neutral bar
- We can supply any design required

Part No.	Description	Unit	Qty
2F-MPS-AS-SQ	2 FUSE PANEL ASSEMBLY	EA	1
3F-MPS-AS-SQ	3 FUSE PANEL ASSEMBLY	EA	1
4F-MPM-AS-SQ	4 FUSE PANEL ASSEMBLY	EA	1
6F-MPM-AS-SQ	6 FUSE PANEL ASSEMBLY	EA	1

PILLARS AND ACCESSORIES

FUSE PANELS RESIN

PILLAR BOX RESIN FUSE PANEL 285 X 285

Unit: EA Qty: 1



Part No. FPMW-BK-UN-BL

- Resin impregnated board with tapered edge to engage slots in pillar base
- Compatible with existing installations
- We can supply to any design

PILLAR BOX RESIN 9 FUSE PANEL 390 X 205

Unit: EA Qty: 1



Part No. PBFP-390

- Resin impregnated board with tapered edge to engage slots in pillar base
- Compatible with existing installations
- We can supply to any design

PILLAR BOX RESIN FUSE PANEL 540 X 283

Unit: EA Qty: 1



Part No. PBFP-540

- Resin impregnated board with tapered edge to engage slots in pillar base
- Compatible with existing installations
- We can supply to any design

PILLAR BOX RESIN 12 FUSE PANEL 495X205

Unit: EA Qty: 1



Part No. FPL-BK-UN-BL

- Resin impregnated board with tapered edge to engage slots in pillar base
- Compatible with existing installations
- We can supply to any design

PILLAR BOX RESIN FUSE PANEL 495 X 285

Unit: EA Qty: 1



Part No. FPLW-BK-UN-BL

- Resin impregnated board with tapered edge to engage slots in pillar base
- Compatible with existing installations
- We can supply to any design

PILLAR BOX RESIN FUSE PANEL 240X205X10

Unit: EA Qty: 1



Part No. PBFP-240

- Resin impregnated board with tapered edge to engage slots in pillar base
- Compatible with existing installations
- We can supply to any design

FUSE PANELS THERMOPLASTIC



- Featuring tapered corners that fit into slots on the base to keep panels secure - compatible with existing installations
- Fits all pillars
- Moulded from electrical grade thermoplastic material



Part No.	Description	Unit	Qty
FPM-BK-UN-BL	BLANK PANEL 280MM X 205MM POLY	EA	1
FPS-BK-UN-BL	BLANK PANEL 190MM X 205MM POLY	EA	1

SHROUDS

SHROUD SMALL CONICAL



- Fits over bolted lug connections made inside a pillar box so that they insulate live connections in the event that the pillar box is removed
- Made from flame retardant PVC
- Flexible enough to shape around a bolted connector
- Fix in position using a cable tie



Part No.	Description	Unit	Qty
ISP-BK-SM-5MM	SHROUD CONICAL 90MM X 65MMD - 5MM HOLE	EA	1
ISP-BK-SM-8MM	SHROUD CONICAL 90MM X 65MMD - 8MM HOLE	EA	1
ISP-BK-SM-NH	SHROUD CONICAL 90MM X 65MMD - NO HOLE	EA	1

SHROUDS LARGE CONICAL



- Fits over bolted lug connections made inside a pillar box so that they insulate live connections in the event that the pillar box is removed
- Made from flame retardant PVC
- Flexible enough to shape around a bolted connector
- Fix in position using a cable tie



Part No.	Description	Unit	Qty
ISP-BK-LG-5MM	SHROUD CONICAL 150MM X 95MMD - 5MM HOLE	EA	1
ISP-BK-LG-8MM	SHROUD CONICAL 150MM X 95MMD - 8MM HOLE	EA	1
ISP-BK-LG-NH	SHROUD CONICAL 150MM X 95MMD - NO HOLE	EA	1

SHROUD SMALL FLAT TOP



- Fits over bolted lug connections made inside a pillar box so that they insulate live connections in the event that the pillar box is removed
- Made from flame retardant PVC
- Flexible enough to shape around a bolted connector
- Fix in position using a cable tie



Part No.	Description	Unit	Qty
ISP-BK-SM-FT	SHROUD FLAT TOP 90MM X 65MMD - 5MM HOLE	EA	1
ISP-BK-SM-FT-NH	SHROUD FLAT TOP 90MM X 65MMD - NO HOLE	EA	1

SHROUD LARGE FLAT TOP



- Fits over bolted lug connections made inside a pillar box so that they insulate live connections in the event that the pillar box is removed
- Made from flame retardant PVC
- Flexible enough to shape around a bolted connector
- Fix in position using a cable tie



Part No.	Description	Unit	Qty
ISP-BK-LG-FT	SHROUD FLAT TOP 150MM X 95MMD - 5MM HOLE	EA	1
ISP-BK-LG-FT-NH	SHROUD FLAT TOP 150MM X 95MMD - NO HOLE	EA	1

GENERAL LINE EQUIPMENT

MSP Conduit Rod Kits



The MSS range of fibreglass rods have a copper trace wire running through the core making them suitable for underground cable & conduit locating, with the use of a suitable locator. The rod is supplied complete with brass male ends & hauling eye, and fitted to a sturdy zinc plated steel frame with brake. Optional re-fills are available as well as flex ends and joining kits.



4.5mm



6mm



9mm



11mm

PULLING TOOLS

PULL THROUGH SPRINGS



- Highly flexible wire springs with a steel wire reinforcement through the middle
- Ideal for 'fishing' in conduits and ducting
- For smaller direct pulls or attach a pull line in larger pulls

Part No.	Min. Breaking Strain (kg)	Length (mm)	Unit	Qty
PTS20M	100	20	EA	1
PTS30M	100	30	EA	1

CROMA CABLE SNAKES

CROMASNAKE FIBREGLASS CABLE SNAKE 30M

Unit: EA Qty: 1



Part No. P802163

- Triple stranded cable pulling device
- Non-conducting coiled spring leader
- Material: Polyester Wire
- Available in 30m and 60m lengths

CROMASNAKE FIBREGLASS 5MM CABLE SNAKE 60M

Unit: EA Qty: 1



Part No. P802164

- Triple stranded cable pulling device
- Non-conducting coiled spring leader
- Material: Polyester Wire
- Available in 30m and 60m lengths

FISH TAPES

CABLEMASTER - FIBREGLASS FISH TAPE 30M

Unit: EA Qty: 1



Part No. FTCM30

- Top end professional fish tape made from pull-truded glass with special polypropylene outer coating - low friction and high abrasion resistance
- Non-conductive glass increases safety
- Resilient to bending and shear stresses
- Can be repaired if broken using repair kit (Part No. FTFC)

GLASSJACK - FIBREGLASS FISH TAPE 20M

Unit: EA Qty: 1



Part No. FTGJ20

- Top end professional fish tape made from pultruded glass with special polypropylene outer coating - low friction and high abrasion resistance
- Non-conductive glass increases safety
- Highly resilient to bending and shear stresses
- Supplied in a tubular casing with a shoulder strap

CABLEPR PUSH PULL CABLE ROD SET

Unit: EA Qty: 1



Part No. FTR6

- Set of flexible cable pulling rods which connect together to form a pulling rod up to 6m in length
- Suitable for installing wiring and light cables into a roof
- Supplied in a sturdy transparent plastic packing tube
- Rods from another set may be added to make an even longer pulling

FISH TAPE REPAIR KITS

FISH TAPE ACCESSORIES AND REPAIR KIT

Unit: EA Qty: 1



Part No. FTFC

- Suitable for use with CABLEMASTER fish tape
- Accessories include PULLGRIP cable stocking and FLEXIGRIP
- Repair items include rod ends, splices and special adhesive

MINI ROD - 3MM X 30MTR

Unit: EA Qty: 1



Part No. MSS-GCG30V

- Fitted to a sturdy plastic wheel suitable for both left and right handed users
- Supplied with various end attachments
- Rod repair kit stored neatly in the centre of the dispenser
- Comes with 1 x lubrication spray bottle

WHITE HAND ROD-3MTR X 22MM

Unit: EA Qty: 1



Part No. MSS-THR-223M

- A lighter, stronger and more flexible hand rod
- Made from Polycarbonate
- Fitted with brass ends
- Supplied in 22mm x 3m lengths

GENERAL LINE EQUIPMENT

CRANK HANDLE FOR 22MM HAND RODS

Unit: EA Qty: 1



Part No. MSS-TCH-22MF

- Connects on to the end of a 22mm hand rod to assist twisting the rod in a clockwise direction



FLEXIBLE LEADER FOR 22MM HAND RODS

Unit: EA Qty: 1



Part No. MSS-TFL-22

- Suits a 22mm hand rod



HOOK & LOOP SET TO SUIT 22MM HAND RODS

Unit: EA Qty: 1



Part No. MSS-THL-2290

- For linking hand rod in conduit
- Suits a 22mm hand rod



LEAD IN EYE FOR 22MM HAND RODS

Unit: EA Qty: 1



Part No. MSS-TRE-22

- Suits a 22mm hand rod



CONDUIT RODS AND FRAMES

CONDUIT KIT FITTINGS

- Flexible spring leader to suit a 4.5mm rod
- 6, 9 and 11mm rod flexible springs leaders also available



Part No.	Description	Unit	Qty
MSS-4.5FLEX	FLEXY END FITTING - 4.5MM ROD	EA	1
MSS-6FLEX	FLEXY END - 6MM O/D ROD	EA	1
MSS-9FLEX	FLEXY END FITTING - 9MM ROD	EA	1
MSS-11FLEX	FLEXY END FITTING - 11MM ROD	EA	1

CONDUIT ROD KITS



- Suitable for underground cables and conduit locating with the use of a suitable locator
- Supplied complete with brass ends and hauling eye
- Copper trace wire running through the core
- Fitted to a sturdy zinc plated steel frame with brake



Part No.	Description	Unit	Qty
MSS-4.5-30	4.5MM X 30 MTR TRACE ROD AND FRAME	KIT	1
MSS-4.5-60	4.5MM X 60MTR TRACE ROD AND FRAME	KIT	1
MSS-4.5-80	4.5MM X 80MTR TRACE ROD AND FRAME	KIT	1
MSS-4.5-100	4.5MM X 100MTR TRACE ROD AND FRAME	KIT	1
MSS-6TR-60	6MM X 60MTR TRACEROD AND FRAME	KIT	1
MSS-6TR-80	6MM X 80MTR TRACEROD AND FRAME	KIT	1
MSS-6TR-100	6MM X 100MTR TRACEROD AND FRAME	KIT	1
MSS-6TR-120	6MM X 120MTR TRACEROD AND FRAME	KIT	1
MSS-6TR-150	6MM X 150MTR TRACEROD AND FRAME	EA	1
MSS-6TR-200	6MM X 200MTR TRACEROD AND FRAME	EA	1
MSS-9TR-100	9MM X 100MTR TRACEROD AND FRAME	KIT	1
MSS-9TR-125	9MM X 125MTR TRACEROD AND FRAME	KIT	1
MSS-9TR-150	9MM X 150MTR TRACEROD AND FRAME	KIT	1
MSS-9TR-200	9MM X 200MTR TRACEROD AND FRAME	KIT	1
MSS-9TR-250	9MM X 250MTR TRACE ROD AND FRAME	KIT	1
MSS-11TR-125	11MM X 125MTR TRACEROD AND FRAME	KIT	1
MSS-11TR-150	11MM X 150MTR TRACEROD AND FRAME	KIT	1
MSS-11TR-200	11MM X 200MTR TRACEROD AND FRAME	KIT	1
MSS-11TR-250	11MM X 250MTR TRACEROD AND FRAME	KIT	1
MSS-11TR-300	11MM X 300MTR TRACEROD AND FRAME	KIT	1
MSS-11TR-350	11MM X 350MTR TRACEROD AND FRAME	KIT	1
MSS-11TR-400	11MM X 400MTR TRACEROD AND FRAME	KIT	1

GENERAL LINE EQUIPMENT

REFILL COILS



- Suitable for underground cables and conduit locating with the use of a suitable locator
- Refill for rod and frame
- Copper trace wire running through the core
- Various lengths and diameters available
- Comes with brass frame attachment and hauling eye

Part No.	Description	Unit	Qty
MSS-RFL-4.5-30	REFILL COIL - 4.5MM TRACE ROD X 30MTR	EA	1
MSS-RFL-4.5-60	REFILL COIL - 4.5MM TRACE ROD X 60MTR	KIT	1
MSS-RFL-4.5-80	REFILL COIL - 4.5MM TRACE ROD X 80MTR	KIT	1
MSS-RFL-6-60TR	REFILL COIL - 6MM TRACE ROD X 60MTR	EA	1
MSS-RFL-6-80TR	REFILL COIL - 6MM TRACE ROD X 80MTR	KIT	1
MSS-RFL-6-100TR	REFILL COIL - 6MM TRACE ROD X 100MTR	KIT	1
MSS-RFL-6-120TR	REFILL COIL - 6MM TRACE ROD X 120MTR	KIT	1
MSS-RFL-6-150TR	REFILL COIL - 6MM TRACE ROD X 150MTR	EA	1
MSS-RFL-9-100TR	REFILL COIL - 9MM TRACE ROD X 100MTR	EA	1
MSS-RFL-9-125TR	REFILL COIL - 9MM TRACE ROD X 125MTR	EA	1
MSS-RFL-9-150TR	REFILL COIL - 9MM TRACE ROD X 150MTR	KIT	1
MSS-RFL-9-200TR	REFILL COIL - 9MM TRACE ROD X 200MTR	KIT	1
MSS-RFL-9-250TR	REFILL COIL - 9MM TRACE ROD X 250MTR	EA	1
MSS-RFL-11-125TR	REFILL COIL - 11MM TRACE ROD X 125MTR	EA	1
MSS-RFL-11-150TR	REFILL COIL - 11MM TRACE ROD X 150MTR	EA	1
MSS-RFL-11-200TR	REFILL COIL - 11MM TRACE ROD X 200MTR	EA	1
MSS-RFL-11-250TR	REFILL COIL - 11MM TRACE ROD X 250MTR	EA	1
MSS-RFL-11-300TR	REFILL COIL - 11MM TRACE ROD X 300MTR	EA	1
MSS-RFL-11-350TR	REFILL COIL - 11MM TRACE ROD X 350MTR	EA	1
MSS-RFL-11-400TR	REFILL COIL - 11MM TRACE ROD X 400MTR	EA	1

REPAIR KITS



- Repair/joining kit for our range of MSS Power conduit rods
- Includes rod joiners, male ends, hauling eyes and glue packs

Part No.	Description	Unit	Qty
MSS-JK4.5-3.0	JOINING KIT FOR 4.5MM OD TRACE ROD	EA	1
MSS-JK6.5-4.5	JOINING KIT FOR 6MM OD TRACE ROD	EA	1
MSS-JK6.0-8.0	JOINING KIT FOR 9MM OD TRACE ROD	EA	1
MSS-JK10.0-8.0	JOINING KIT FOR 11MM OD TRACE ROD	EA	1

GAS TOOLS

MSP GAS TOOLS

GAS HAND PIECE

Unit: EA Qty: 1



Part No. MSS-TEL414-82

- 3/8 BSP Ends to Suit other Gas Accessories
- Accurate and Quick Flame Setting

SOFT FLAME BURNER

Unit: EA Qty: 1



Part No. MSS-TEL414-130

- 3/8 BSP Ends to Suit other Gas Accessories
- Strong windproof flame

HARD FLAME BURNER

Unit: EA Qty: 1



Part No. MSS-TEL414-77

- 3/8 BSP Ends to Suit Other Gas Accessories

LEAK TEST REGULATOR

Unit: EA Qty: 1

SIEVERT®



Part No. MSS-TEL414-84

- 3/8 BSP Ends to Suit Other Gas Accessories
- Regulator has leak test and hose failure system

6MTR HOSE SET GAS

Unit: EA Qty: 1



Part No. MSS-TEL414-105

- 3/8 BSP Ends to Suit Other Gas Accessories
- Length: 6M
- 2m hose set available Part No. MSS-TEL414-71

1.25KG GAS CYLINDER

Unit: EA Qty: 1



Part No. MSS-TEL414-50

- Telstra Approved gas cylinder
- 3/8BSP ends to suit other gas accessories
- 1.25kg slimline refillable cylinder
- 3kg and 9kg gas cylinders available

GENERAL LINE EQUIPMENT

HANDLE BLOW TORCH PROMATIC 3366

Unit: EA Qty: 1

SIEVERT[®]



Part No. MSS-SV3366

- Automatic ignition - guaranteed for 30,000 ignitions
 - Trigger on/off function - no waste of LP gas
 - Precise flame adjustment valve
 - Ergonomic and modern design
-

CUP STYLE FLINT LIGHTER

Unit: EA Qty: 1



Part No. MSS-TX405C

- Creates spark to ignite gas burners
 - Supplied with 2x replacement flints
 - Ignites most propane and MAPP gas fuelled appliances
-

GAS REG W/HOSE FAIL VALVE POL CONN.

Unit: EA Qty: 1



Part No. MSS-306311

- Suits 9kg gas cylinder
-

JOINTERS HEATSHIELD - 30 X 30CM

Unit: EA Qty: 1

MSS
Power Systems



Part No. MSS-100505001

- Used in busy communication pits to protect neighbouring cable whilst heat shrinking
- Small and flexible
- Made from flame retardant material

IDEAL GAS TOOLS

IDEAL UNDERGROUND FEEDER CABLE STRIPPER

Unit: EA Qty: 1



Part No. 45-235

- Self-adjusting stripping blades automatically select proper position
- Strips 12 AWG solid to 14 AWG Underground Feeder (UF) Cable
- Strips twin and earth cable
- Neatly removes outer cable sheath and then inner wire sheathing
- Strips twin and earth cable

SOLDER



- 60/40 Resin Cored High Quality Solder 500g
- Tin/Lead, Low Melting Point Solder
- Conforms BSS 441 DTD 599A
- Max 0.5% Halide

Part No.	Description	Unit	Qty
P611007	0.56 MM 60/40 SOLDER 500G REEL	EA	1
P611005	0.71MM 60/40 SOLDER 500G 20SWG	EA	1
P611003	0.91MM 60/40 SOLDER 500G REEL	EA	1
P611001	1.6MM 60/40 SOLDER 500G REEL	EA	1
P611002	1.21MM 60/40 SOLDER 500G REEL	EA	1
P611004	2.3MM 60/40 SOLDER 500G REEL	EA	1
P611009	3.2MM SOLDER 60/40 500G REEL	EA	1

UNDERGROUND ELECTRICAL RETICULATION

URD CONNECTION SYSTEM COMPLETE PILLAR KITS

SYSTEM	CONNECTOR		TYPE OF SYSTEM	SERVICE CABLE CONNECTIONS	SERVICE CABLE SIZE	IEC SYMBOLS
	MAINS	SERVICE				

URD Bolted Lug Connection System



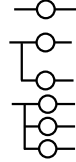
240mm² SHEAR BOLT
(70-185mm² optional)

6mm Cap Screws

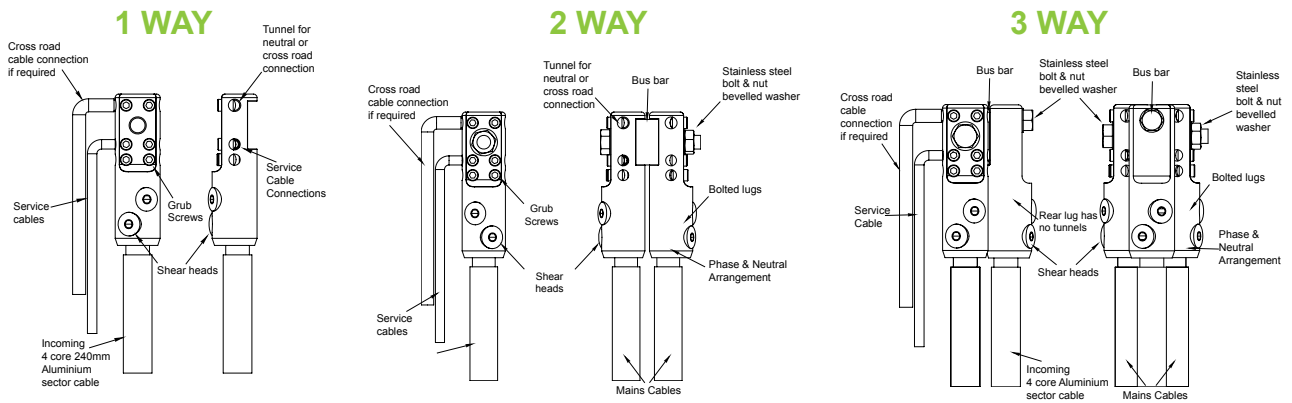
Electrical Terminal Block

3

3 Per Block
50mm



Part No.	DESCRIPTION	* For 240mm ² only
CMPBL1	1 Way Pillar Kit (Complete Kit for 3 Phase and Busbar)*	
CMPBL2	2 Way Pillar Kit (Complete Kit for 3 Phase and Busbar)*	
CMPBL3	3 Way Pillar Kit (Complete Kit for 3 Phase and Busbar)*	



SYSTEM	CONNECTOR		TYPE OF SYSTEM	SERVICE CABLE CONNECTIONS	SERVICE CABLE SIZE	IEC SYMBOLS
	MAINS	SERVICE				



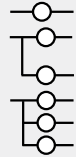
240mm² CRIMP

Bolt 12mm

Electrical Terminal Block

2

Nut and Bolt 12mm



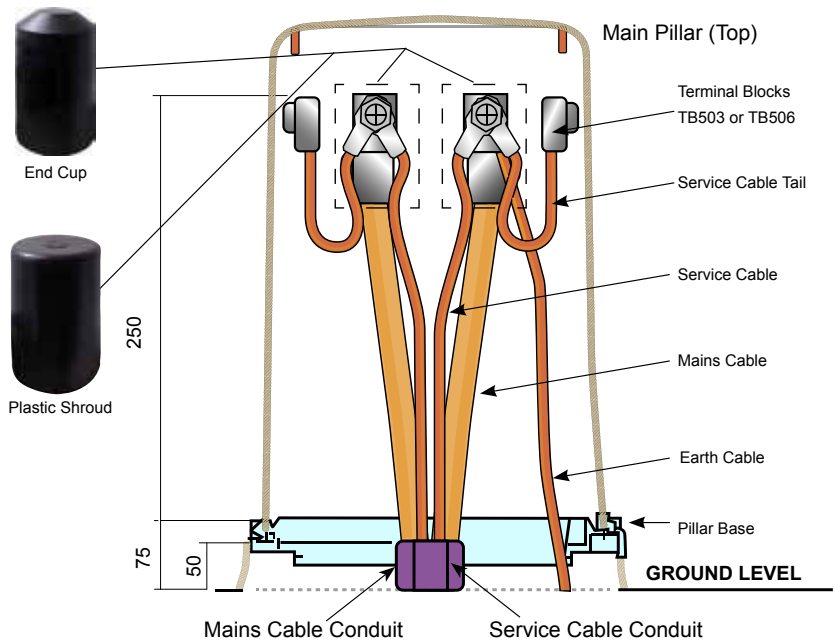
CRIMP URD KITS WITH HEATSHRINK END CUPS (FOR NSW)

Part No.	DESCRIPTION
CMP1	Single Cable Pillar Kit 1*
CMP2	Double Cable Pillar Kit 2*
CMP3	Triple Cable Pillar Kit 3*

(WITH PLASTIC SHROUDS)

Part No.	DESCRIPTION
CMPQ1	1 Main Cable Pillar Kit*
CMPQ2	2 Main Cable Pillar Kit*
CMPQ3	3 Main Cables Pillar Kit*

* For 240mm² Only



UNDERGROUND ELECTRICAL RETICULATION

URD TERMINAL BLOCKS

URD TERMINAL BLOCKS

3 WAY TERMINAL BLOCK 3 X 50MM2

Unit: EA Qty: 1



Part No. TB503

- Fully insulated terminal blocks for URD applications
- 3 way: 2.5 to 50mm² conductors can be connected
- 5 mm allen key required for grub screws
- Two allen screws per conductor for extra security
- 3 and 6 way configurations available

6 WAY TERMINAL BLOCK 50MM2

Unit: EA Qty: 1



Part No. TB506

- Fully insulated terminal blocks for URD applications
- 6 way: 2.5 to 50mm² conductors can be connected
- 5 mm allen key required for grub screws
- Two allen screws per conductor for extra security
- 3 and 6 way configurations available

3 WAY TERMINAL BLOCK 3X16MM2+2X6MM2

Unit: EA Qty: 1



Part No. TB503A

- Fully insulated terminal blocks for URD lighting applications
- Two allen screws per conductor for extra security
- 3 way - 16mm² front access & 2 way - 4mm² rear access
- 3 mm allen key required for grub screws
- Other configurations of terminal blocks available

3 WAY TERMINAL BLOCK 16MM2+2 FRONT 4MM2

Unit: EA Qty: 1



Part No. TB503B

- Fully insulated terminal blocks for URD lighting applications
- Two allen screws per conductor for extra security
- 3 way - 16mm² & 2 way - 4mm², both front access
- 3 mm allen key required for grub screws
- Other configurations of terminal blocks available

URD CONNECTOR SYSTEMS

CABLE PILLAR KITS

SINGLE CABLE PILLAR KIT 1

Unit: EA Qty: 1



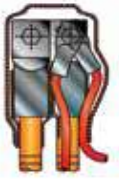
Part No. CMP1

- Single mains end termination kit supplied with all of the items an installer needs for 3 phase & neutral
- Terminal blocks are an optional extra
- Kits: 240mm² aluminium crimp lugs & various copper lugs
- Heat shrink end caps and sealing tubes
- Parts are made to order

UNDERGROUND ELECTRICAL RETICULATION

DOUBLE CABLE PILLAR KIT

Unit: EA Qty: 1

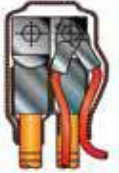


Part No. CMP2

- Two mains cable per phase termination kit supplied with all of the items an installer needs for 3 phase & neutral
- Terminal blocks are an optional extra
- 240mm² aluminium crimp lugs with busbar
- Heat shrink end caps and sealing tubes
- Parts are made to order

TRIPLE CABLE PILLAR KIT 3

Unit: EA Qty: 1



Part No. CMP3

- Three mains cable per phase termination kit supplied with all of the items an installer needs for 3 phase and neutral
- Terminal blocks are an optional extra
- 240mm² aluminium crimp lugs with busbar
- Heat shrink end caps and sealing tubes included
- Parts are made to order

CABLE PILLAR KITS QLD

SINGLE CABLE PILLAR KIT 1 - QLD

Unit: EA Qty: 1

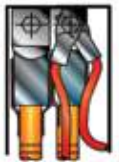


Part No. CMPQ1

- One mains cable per phase end termination kit supplied with all of the items an installer needs
- Three way Terminal Blocks included.
- 240mm² aluminium crimp lugs with busbar & PVC shrouds
- Kit suitable for three phase and neutral
- Parts are made to order

DOUBLE CABLE PILLAR KIT - QLD

Unit: EA Qty: 1

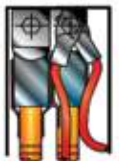


Part No. CMPQ2

- Two mains cable per phase termination kit supplied with all of the items an installer needs
- Three way Terminal Blocks included
- 240mm² aluminium lugs with busbar & PVC shrouds
- Kit suitable for three phase and neutral
- Parts are made to order

TRIPLE CABLE PILLAR KIT - QLD

Unit: EA Qty: 1



Part No. CMPQ3

- Three mains cable per phase termination kit supplied with all of the items an installer needs
- Three way Terminal Blocks included
- 240mm² aluminium lugs with busbar & PVC shrouds
- Kit suitable for three phase and neutral
- Parts are made to order

UNDERGROUND ELECTRICAL RETICULATION

URD LUG AND TERMINAL BLOCK



- Designed to make looped pillar connection systems quick and easy - eliminates many of the components and crimping needs of current practices
- For stranded, circular stranded and solid sector cables
- Patented lug design
- In-built terminal block with a series of range taking tunnels
- Use with other Cabac URD covers and busbars. Kits available

Part No.	Description	Unit	Qty
BALURD95	URD LUG AND TERMINAL BLOCK 95MM2	EA	1
BALURD120	URD LUG AND TERMINAL BLOCK 120MM2	EA	1
BALURD185	URD LUG AND TERMINAL BLOCK 185MM2	EA	1
BALURD240	URD LUG AND TERMINAL BLOCK 240MM2	EA	1

URD LUG AND TERMINAL BLOCK - 3 WAY



- Designed to make looped pillar connection systems quick and easy - eliminates many of the components and crimping needs of current practices
- For stranded, circular stranded and solid sector cables
- Patented lug design
- Inbuilt terminal block with a series of range taking tunnels
- This lug for addition third mains cable in URD

Part No.	Description	Unit	Qty
BALURD185-2	URD LUG 185MM2 PLAIN FOR 3 WAY	EA	1
BALURD240-2	URD LUG 240MM2 PLAIN FOR 3 WAY	EA	1

URD BOLTED SYSTEMS

URD BOLTED SYSTEM SINGLE PILLAR KIT

Unit: EA Qty: 1



Part No. CMPBL1

- One way pillar kit using the URD Bolted Connection System for 240mm2 conductor
- Designed to make looped pillar connection systems quick and easy
- Kit contains connection items for 3 phases and neutral
- Shear head technology connection principle
- Patented lug design

URD BOLTED SYSTEM DOUBLE PILLAR KIT

Unit: EA Qty: 1



Part No. CMPBL2

- Two way pillar kit using the URD Bolted Connection System for 240mm2 mains conductor
- Designed to make looped pillar connection systems quick and easy
- Kit contains connection items for 3 phases and neutral
- Shear head technology connection principle
- Patented lug design

URD BOLTED SYSTEM TRIPLE PILLAR KIT

Unit: EA Qty: 1



Part No. CMPBL3

- Three way pillar kit using the URD Bolted Connection System 240mm2 mains conductor
- Designed to make looped pillar connection systems quick and easy
- Kit contains connectors for 3 phases and neutral
- Shear head technology connection principle
- Patented lug design

UNDERGROUND ELECTRICAL RETICULATION

URD COVER SYSTEMS



- The URD Cover System has been designed specifically to compliment the URD Bolted Lugs
- Simple and easy to install
- Choose from single, looped or 3 way arrangements
- Each phase is terminated separately within its own cover

Part No.	Description	Unit	Qty
URDCL1	SINGLE CABLE BOLTED LUG COVER	EA	1
URDCL2	DOUBLE CABLE BOLTED LUG COVER	EA	1
URDCL3	TRIPLE CABLE BOLTED LUG COVER	EA	1

ALUMINIUM BARS

ALUMINIUM BUSBARS

ALUM. BUSS BAR WITH 1 X 12MM STUD HOLE

Unit: EA Qty: 1



Part No. ABBCMP1

- Single hole busbar to bolt two BALURDxxx lugs back to back
- M12 stainless steel bolt and washers included.
- Made to order.

ALUM. BUSS BAR WITH 2 X 12MM STUD HOLE

Unit: EA Qty: 1



Part No. ABBCMP2

- Double hole busbar for BALURDxxx 3 or 4 lugs back to back
- M12 & M10 stainless steel bolt and washers included
- M12 hole in front & M10 threaded hole on side of busbar
- Made to order

ALUMINIUM PHASE CONNECTION BARS

ALUM PHASE CONNECTION BAR

Unit: EA Qty: 1



Part No. PCB-AL-80-48

- Aluminium Busbar for use in URD assemblies
- Two M12 holes
- Dimension: 80 x 40 x 6.1 mm

ALUMINIUM FLAT BARS

ALUM. FLATBAR WITH 2 X 12MM STUD HOLE

Unit: EA Qty: 1



Part No. ABB7640

- Aluminium busbar for crimp Aluminium lugs with two holes
- Rectangular Busbar 76(L) x 40(W) x 10)mm
- Used with aluminium lugs & PVC shrouds in URD pillars
- Two M12 (13mm dia.) holes 38 mm apart

Fibre

Duplex Patch leads OM1	D488	Adhesive Polish Connectors	D546
Duplex Patch leads OM3	D491	Plastic Fibre Connectors	D547
Duplex OM4 Patch leads	D493	Attenuators Single Mode	D548
Duplex OS1 OS2 Patch leads SM	D494	Attenuators Single Mode Angle Polish	D548
Duplex Patch leads OS1 OS2 SM Angle Polish	D496	Connector Boots	D548
Tight Buffered Duplex Cord	D499	Connector Clips	D549
Tight Buffered Indoor Outdoor Riser	D501	Connector Dust Caps	D549
Tight Buffered Military Tactical Riser	D503	Cleavers	D551
Fire Rated Mono and Loose Tube	D504	Stripping and Cutting	D551
Loose Tube PE Nylon	D505	Scribes	D553
Loose Tube Sacrificial Sheath Nylon PE	D506	Termination Kits	D554
Armoured Loose Tube CST PE Nylon Cable	D506	Polishing Tools	D555
Armoured Loose Tube CST PE Cable	D507	Cleaning Consumables	D557
Rack Mount Sliding and Fixed Enclosure	D508	Connector Termination Tools	D560
Wall Mount Enclosures	D510		
DIN Rail Mount Enclosures	D511		
Accessories	D516		
Flat Panel and Thru Adaptor Kits	D516		
Thru Adaptor Panels Angled	D518		
Thru Adaptor Panels Flat	D520		
A Thru adaptors and Couplers Reduced Flange	D522		
Thru Adaptors and Couplers Flanged Mount	D524		
Blanking Plugs	D525		
Deployable Reels	D527		
Underground Domes	D527		
Fault Locators	D529		
Inspection Scopes	D529		
Inspection Probes	D530		
Live Fibre Detectors	D532		
Fibre Inspection and Test Equipment Kits	D532		
Light Source and Power Meters	D533		
OTDR	D535		
Test Software	D535		
Fusion Splicers	D536		
Splice Trays and Holders	D537		
Mechanical Splice Protectors	D538		
Heat shrink Protectors	D538		
OM1 Pigtails	D540		
OM3 Pigtails	D541		
OM4 Pigtails	D541		
OS1 OS2 SM Pigtails	D542		
Fanout Kits	D543		
Pre Polished Connectors	D544		
Epoxy Polish Connectors	D546		

Brief Overview of Fibre Optic Cable

Fibre Optic Overview

An optical fibre is a glass or plastic fibre that carries light along its length. Optical fibres are widely used in fibre optic communication, which permits transmission over longer distances and at higher data rates than other forms of communications. Fibres are used instead of metal wires as signals travel along them faster with less loss.

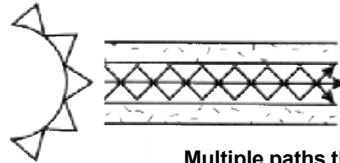
Advantages Over Copper

Fibre optic cables have many advantages that cannot be matched via copper or wireless transmission. First - optical fibre can transport more information to much longer distances in less transmission time. This is because fibre has less attenuation (loss) and more bandwidth (capacity). Aside from distance and speed, optical transmission cannot be affected by electromagnetic interferences, making it handy to use in environments where this is a problem. Fibre is also relatively secure since the optical transmission cannot be tapped as easily as electrical transmission.

- Speed:** Fibre optic networks operate at high speeds - up into the gigabits.
- Bandwidth:** Large carrying capacity.
- Distance:** Signals can be transmitted further without needing to be "refreshed" or strengthened.
- Resistance:** Greater resistance to electromagnetic interferences such as radios, motors or other nearby cables.
- Maintenance:** Fibre optic cables costs much less to maintain.
- Higher carrying capacity:** Because optical fibres are thinner than copper wires, more fibres can be bundled into a given-diameter cable than copper wires.
- Non-flammable:** Because no electricity is passed through optical fibres, there is no fire hazard.



Single path through the fibre



Multiple paths through the fibre

Singlemode

Singlemode cable has a typical core diameter of 8.3 to 10um, through which only one mode will propagate typically at 1310 or 1550nm. It carries higher bandwidth than multimode fibre, but requires a light source with a narrow spectral width.

Singlemode fibre has a much smaller core than multimode. The small core and single light-wave virtually eliminate any distortion that could result from overlapping light pulses, providing the least signal attenuation and the highest transmission speeds of any fibre cable type.

Multimode

Multimode cable has a larger core size, with common diameters of 50, 62.5um and (1mm POF). Light waves are dispersed into numerous paths, or modes, as they travel through the cable's core typically at 850 or 1300nm.

However, in long cable runs (greater than 3000 feet or 914.4 meters), multiple paths of light can cause signal distortion at the receiving end, resulting in an unclear and incomplete data transmission so designers now call for single mode fibre in new applications using Gigabit and beyond.

Fibre Optic Cable Specifications

Core Diameter	9	50	62.5
Cladding Diameter (um)	125	125	125
Numerical Aperture (um)	0.11	0.2	0.29
Attenuation (dB/Km) 850nm	-	3.5	3.5
Attenuation (dB/Km) 1300nm	-	1.5	1.5
Attenuation (dB/Km) 1310nm	1	-	-
Attenuation (dB/Km) 1550nm	1	-	-
Bandwidth (MHz/Km) 850nm	N/A	1500	200
Bandwidth (MHz/Km) 1300nm	N/A	500	500

Industry Standard Colour Codes

Fibre optic cables are terminated using an industry standard colour code.

For cables that consist of more than 12 strands of fibre the colours are repeated with some variation eg. The 1st group of 12 strands are solid colours and the 2nd group are solid colours with a stripe or some other identifying mark.

1. Blue
2. Orange
3. Green
4. Brown
5. Slate
6. White
7. Red
8. Black
9. Yellow
10. Violet
11. Pink
12. Aqua

Do You Need Your Cable Terminated?

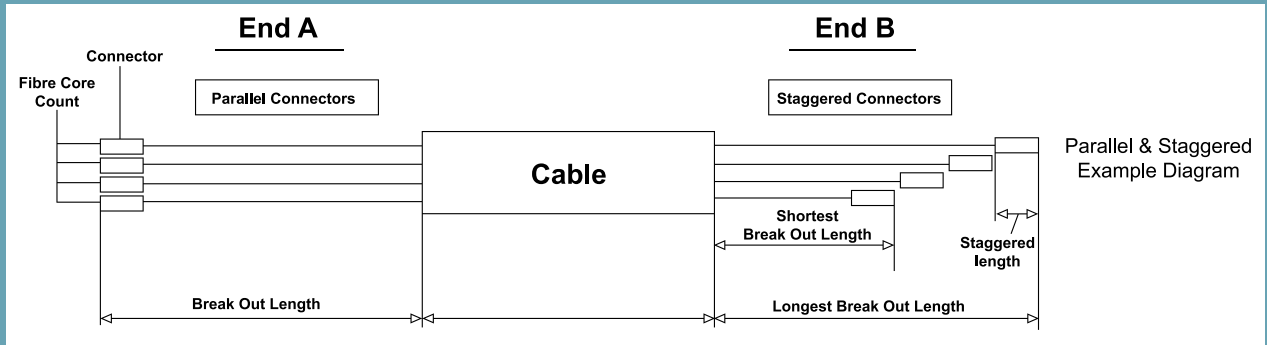
MSS Fibre Systems can manufacture a large range of Pre-Terminated Fibre Cables to suit your specific application requirements. From straight forward simplex patch cords to custom Military Spec cable. MSS has the resources and expertise to deliver a quality product with fast lead times and friendly customer service.

Features and Benefits

- Fully tested and ready to be installed
- Can manufacture a pre-terminated cable to your specific length, colour and connector type
- Pulling conduit assemblies available
- Custom labelling
- Cable drum for re-deployment
- Tested to AS/NZS3080, ISO 11801 Performance Standards
- RCM Compliant: E1508



Pre-Terminated Cable Ordering Details



End A

✓	Connector Type:		
	ST		LC
	SC		LCA
	SCA		MTRJ
	FC		

✓	Break Out Details:		
	Staggered (Default Length is 40mm)		
	Parallel		
	Break Out Length (Default Length is 400mm)		
	Over Sleeve 1.8mm		
	Over Sleeve 3mm (up to 12F only)		

*See diagram above

Cable

✓	Fibre Mode:	
	OS1 – Singlemode 9/125	
	OM1 – Multimode 62.5/125	
	OM3 – Multimode 50/125	
	OM4 – Multimode 50/125	

✓	Cable Type:	
	Tight Buffered Indoor-Outdoor	
	Loose-Tube Underground Cable	
✓	Where will the Cable be installed:	
	Underground	
	Outdoor	
	Indoor	

End B


✓	Connector Type:		
	ST		LC
	SC		LCA
	SCA		MTRJ
	FC		

✓	Break Out Details:		
	Staggered (Default Length is 40mm)		
	Parallel		
	Break Out Length (Default Length is 400mm)		
	Over Sleeve 1.8mm		
	Over Sleeve 3mm (up to 12F only)		

*See diagram above

Other

✓	Cable Pulling Mechanism:	
	Pulling Conduit	



✓	Special Labelling Requirements:	
	End A	
	End B	

✓	Core Count:	

✓	Length:	
	(in metres)	

✓	Cable Drum:	
	Recommended for cables over 50 metres	

FIBRE PATCH LEADS

DUPLEX PATCH LEADS OM1

LC LC OM1 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Orange

MSS fibre systems



Part No.	Description	Unit	Qty
DLCLC1M-MM	LC-LC DUPLEX OM1 PATCH LEAD - 1 MTR	EA	1
DLCLC2M-MM	LC-LC DUPLEX OM1 PATCH LEAD - 2 MTR	EA	1
DLCLC3M-MM	LC-LC DUPLEX OM1 PATCH LEAD - 3 MTR	EA	1
DLCLC5M-MM	LC-LC DUPLEX OM1 PATCH LEAD - 5 MTR	EA	1
DLCLC10M-MM	LC-LC DUPLEX OM1 PATCH LEAD - 10 MTR	EA	1
DLCLC15M-MM	LC-LC DUPLEX OM1 PATCH LEAD - 15 MTR	EA	1
DLCLC20M-MM	LC-LC DUPLEX OM1 PATCH LEAD - 20 MTR	EA	1
DLCLC25M-MM	LC-LC DUPLEX OM1 PATCH LEAD - 25 MTR	EA	1
DLCLC30M-MM	LC-LC DUPLEX OM1 PATCH LEAD - 30 MTR	EA	1

SC LC OM1 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Orange

MSS fibre systems



Part No.	Description	Unit	Qty
DSCLC1M-MM	SC-LC DUPLEX OM1 PATCH LEAD - 1 MTR	EA	1
DSCLC2M-MM	SC-LC DUPLEX OM1 PATCH LEAD - 2 MTR	EA	1
DSCLC3M-MM	SC-LC DUPLEX OM1 PATCH LEAD - 3 MTR	EA	1
DSCLC5M-MM	SC-LC DUPLEX OM1 PATCH LEAD - 5 MTR	EA	1
DSCLC10M-MM	SC-LC DUPLEX OM1 PATCH LEAD - 10 MTR	EA	1
DSCLC15M-MM	SC-LC DUPLEX OM1 PATCH LEAD - 15 MTR	EA	1
DSCLC20M-MM	SC-LC DUPLEX OM1 PATCH LEAD - 20 MTR	EA	1
DSCLC30M-MM	SC-LC DUPLEX OM1 PATCH LEAD - 30 MTR	EA	1

SC SC OM1 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 3mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Orange

MSS fibre systems



Part No.	Description	Unit	Qty
DSCSC0.5M-MM	SC-SC DUPLEX OM1 PATCH LEAD - 0.5 MTR	EA	1
DSCSC1M-MM	SC-SC DUPLEX OM1 PATCH LEAD - 1 MTR	EA	1
DSCSC2M-MM	SC-SC DUPLEX OM1 PATCH LEAD - 2 MTR	EA	1
DSCSC3M-MM	SC-SC DUPLEX OM1 PATCH LEAD - 3 MTR	EA	1
DSCSC5M-MM	SC-SC DUPLEX OM1 PATCH LEAD - 5 MTR	EA	1
DSCSC10M-MM	SC-SC DUPLEX OM1 PATCH LEAD - 10 MTR	EA	1
DSCSC15M-MM	SC-SC DUPLEX OM1 PATCH LEAD - 15 MTR	EA	1
DSCSC20M-MM	SC-SC DUPLEX OM1 PATCH LEAD - 20 MTR	EA	1

ST SC OM1 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 3mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Orange



Part No.	Description	Unit	Qty
DSTSC1M-MM	ST-SC DUPLEX OM1 PATCH LEAD - 1 MTR	EA	1
DSTSC2M-MM	ST-SC DUPLEX OM1 PATCH LEAD - 2 MTR	EA	1
DSTSC3M-MM	ST-SC DUPLEX OM1 PATCH LEAD - 3 MTR	EA	1
DSTSC5M-MM	ST-SC DUPLEX OM1 PATCH LEAD - 5 MTR	EA	1
DSTSC10M-MM	ST-SC DUPLEX OM1 PATCH LEAD - 10 MTR	EA	1
DSTSC15M-MM	ST-SC DUPLEX OM1 PATCH LEAD - 15 MTR	EA	1
DSTSC20M-MM	ST-SC DUPLEX OM1 PATCH LEAD - 20 MTR	EA	1

ST ST OM1 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 3mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Orange



Part No.	Description	Unit	Qty
DSTST0.5M-MM	ST-ST DUPLEX OM1 PATCH LEAD - 0.5 MTR	EA	1
DSTST1M-MM	ST-ST DUPLEX OM1 PATCH LEAD - 1 MTR	EA	1
DSTST2M-MM	ST-ST DUPLEX OM1 PATCH LEAD - 2 MTR	EA	1
DSTST3M-MM	ST-ST DUPLEX OM1 PATCH LEAD - 3 MTR	EA	1
DSTST5M-MM	ST-ST DUPLEX OM1 PATCH LEAD - 5 MTR	EA	1
DSTST10M-MM	ST-ST DUPLEX OM1 PATCH LEAD - 10 MTR	EA	1
DSTST15M-MM	ST-ST DUPLEX OM1 PATCH LEAD - 15 MTR	EA	1
DSTST20M-MM	ST-ST DUPLEX OM1 PATCH LEAD - 20 MTR	EA	1

ST LC OM1 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Orange



Part No.	Description	Unit	Qty
DSTLC1M-MM	ST-LC DUPLEX OM1 PATCH LEAD - 1 MTR	EA	1
DSTLC2M-MM	ST-LC DUPLEX OM1 PATCH LEAD - 2 MTR	EA	1
DSTLC3M-MM	ST-LC DUPLEX OM1 PATCH LEAD - 3 MTR	EA	1
DSTLC5M-MM	ST-LC DUPLEX OM1 PATCH LEAD - 5 MTR	EA	1
DSTLC10M-MM	ST-LC DUPLEX OM1 PATCH LEAD - 10 MTR	EA	1
DSTLC15M-MM	ST-LC DUPLEX OM1 PATCH LEAD - 15 MTR	EA	1
DSTLC20M-MM	ST-LC DUPLEX OM1 PATCH LEAD - 20 MTR	EA	1

FIBRE PATCH LEADS

MTRJ MTRJ OM1 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Orange



Part No.	Description	Unit	Qty
DMTRJ1M-MM	MTRJ-MTRJ DUPLEX OM1 PATCH LEAD - 1 MTR	EA	1
DMTRJ2M-MM	MTRJ-MTRJ DUPLEX OM1 PATCH LEAD - 2 MTR	EA	1
DMTRJ3M-MM	MTRJ-MTRJ DUPLEX OM1 PATCH LEAD - 3 MTR	EA	1
DMTRJ5M-MM	MTRJ-MTRJ DUPLEX OM1 PATCH LEAD - 5 MTR	EA	1
DMTRJ10M-MM	MTRJ-MTRJ DUPLEX OM1 PATCH LEAD - 10 MTR	EA	1
DMTRJ15M-MM	MTRJ-MTRJ DUPLEX OM1 PATCH LEAD - 15 MTR	EA	1

SC MTRJ OM1 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Orange



Part No.	Description	Unit	Qty
DSCMTRJ1M-MM	SC-MTRJ DUPLEX OM1 PATCH LEAD - 1 MTR	EA	1
DSCMTRJ2M-MM	SC-MTRJ DUPLEX OM1 PATCH LEAD - 2 MTR	EA	1
DSCMTRJ3M-MM	SC-MTRJ DUPLEX OM1 PATCH LEAD - 3 MTR	EA	1
DSCMTRJ5M-MM	SC-MTRJ DUPLEX OM1 PATCH LEAD - 5 MTR	EA	1
DSCMTRJ10M-MM	SC-MTRJ DUPLEX OM1 PATCH LEAD - 10 MTR	EA	1
DSCMTRJ15M-MM	SC-MTRJ DUPLEX OM1 PATCH LEAD - 15 MTR	EA	1
DSCMTRJ20M-MM	SC-MTRJ DUPLEX OM1 PATCH LEAD - 20 MTR	EA	1

ST MTRJ OM1 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Orange



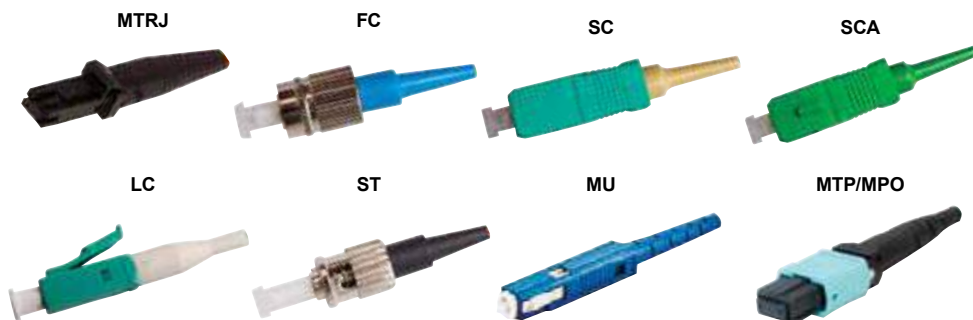
Part No.	Description	Unit	Qty
DSTMTRJ1M-MM	ST-MTRJ DUPLEX OM1 PATCH LEAD - 1 MTR	EA	1
DSTMTRJ2M-MM	ST-MTRJ DUPLEX OM1 PATCH LEAD - 2 MTR	EA	1
DSTMTRJ3M-MM	ST-MTRJ DUPLEX OM1 PATCH LEAD - 3 MTR	EA	1
DSTMTRJ5M-MM	ST-MTRJ DUPLEX OM1 PATCH LEAD - 5 MTR	EA	1
DSTMTRJ10M-MM	ST-MTRJ DUPLEX OM1 PATCH LEAD - 10 MTR	EA	1
DSTMTRJ20M-MM	ST-MTRJ DUPLEX OM1 PATCH LEAD - 20 MTR	EA	1

Patchleads

Widest range available ex-stock, including ST, SC, SCA, LC, MTRJ, in 1, 2, 3, 5, 10, 15 and 20m lengths.

All connector styles, configurations and lengths can be manufactured, including special Defence colours and OS1, OM1, OM3 and OM4 cable.

Custom Leads Made to Your Requirements



DUPLEX PATCH LEADS OM3

LC LC OM3 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Aqua



Part No.	Description	Unit	Qty
DLCLC0.5M-MM3	LC-LC DUPLEX OM3 PATCH LEAD - 0.5 MTR	EA	1
DLCLC1M-MM3	LC-LC DUPLEX OM3 PATCH LEAD - 1 MTR	EA	1
DLCLC2M-MM3	LC-LC DUPLEX OM3 PATCH LEAD - 2 MTR	EA	1
DLCLC3M-MM3	LC-LC DUPLEX OM3 PATCH LEAD - 3 MTR	EA	1
DLCLC5M-MM3	LC-LC DUPLEX OM3 PATCH LEAD - 5 MTR	EA	1
DLCLC7M-MM3	LC-LC DUPLEX OM3 PATCH LEAD - 7 MTR	EA	1
DLCLC10M-MM3	LC-LC DUPLEX OM3 PATCH LEAD - 10 MTR	EA	1
DLCLC15M-MM3	LC-LC DUPLEX OM3 PATCH LEAD - 15 MTR	EA	1
DLCLC20M-MM3	LC-LC DUPLEX OM3 PATCH LEAD - 20 MTR	EA	1

SC LC OM3 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Aqua



Part No.	Description	Unit	Qty
DSCLC1M-MM3	SC-LC DUPLEX OM3 PATCH LEAD - 1 MTR	EA	1
DSCLC2M-MM3	SC-LC DUPLEX OM3 PATCH LEAD - 2 MTR	EA	1
DSCLC3M-MM3	SC-LC DUPLEX OM3 PATCH LEAD - 3 MTR	EA	1
DSCLC5M-MM3	SC-LC DUPLEX OM3 PATCH LEAD - 5 MTR	EA	1
DSCLC10M-MM3	SC-LC DUPLEX OM3 PATCH LEAD - 10 MTR	EA	1
DSCLC15M-MM3	SC-LC DUPLEX OM3 PATCH LEAD - 15 MTR	EA	1
DSCLC20M-MM3	SC-LC DUPLEX OM3 PATCH LEAD - 20 MTR	EA	1

FIBRE PATCH LEADS

SC SC OM3 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 3mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Aqua



Part No.	Description	Unit	Qty
DSCSC1M-MM3	SC-SC DUPLEX OM3 PATCH LEAD - 1 MTR	EA	1
DSCSC2M-MM3	SC-SC DUPLEX OM3 PATCH LEAD - 2 MTR	EA	1
DSCSC3M-MM3	SC-SC DUPLEX OM3 PATCH LEAD - 3 MTR	EA	1
DSCSC5M-MM3	SC-SC DUPLEX OM3 PATCH LEAD - 5 MTR	EA	1
DSCSC10M-MM3	SC-SC DUPLEX OM3 PATCH LEAD - 10 MTR	EA	1
DSCSC15M-MM3	SC-SC DUPLEX OM3 PATCH LEAD - 15 MTR	EA	1
DSCSC20M-MM3	SC-SC DUPLEX OM3 PATCH LEAD - 20 MTR	EA	1

ST SC OM3 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 3mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Aqua



Part No.	Description	Unit	Qty
DSTSC1M-MM3	ST-SC DUPLEX OM3 PATCH LEAD - 1 MTR	EA	1
DSTSC2M-MM3	ST-SC DUPLEX OM3 PATCH LEAD - 2 MTR	EA	1
DSTSC3M-MM3	ST-SC DUPLEX OM3 PATCH LEAD - 3 MTR	EA	1
DSTSC5M-MM3	ST-SC DUPLEX OM3 PATCH LEAD - 5 MTR	EA	1
DSTSC10M-MM3	ST-SC DUPLEX OM3 PATCH LEAD - 10 MTR	EA	1
DSTSC15M-MM3	ST-SC DUPLEX OM3 PATCH LEAD - 15 MTR	EA	1

ST ST OM3 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 3mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Aqua



Part No.	Description	Unit	Qty
DSTST1M-MM3	ST-ST DUPLEX OM3 PATCH LEAD - 1 MTR	EA	1
DSTST2M-MM3	ST-ST DUPLEX OM3 PATCH LEAD - 2 MTR	EA	1
DSTST3M-MM3	ST-ST DUPLEX OM3 PATCH LEAD - 3 MTR	EA	1
DSTST5M-MM3	ST-ST DUPLEX OM3 PATCH LEAD - 5 MTR	EA	1
DSTST10M-MM3	ST-ST DUPLEX OM3 PATCH LEAD - 10 MTR	EA	1
DSTST15M-MM3	ST-ST DUPLEX OM3 PATCH LEAD - 15 MTR	EA	1
DSTST20M-MM3	ST-ST DUPLEX OM3 PATCH LEAD - 20 MTR	EA	1

ST LC OM3 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Aqua



Part No.	Description	Unit	Qty
DSTLC1M-MM3	ST-LC DUPLEX OM3 PATCH LEAD - 1 MTR	EA	1
DSTLC2M-MM3	ST-LC DUPLEX OM3 PATCH LEAD - 2 MTR	EA	1
DSTLC3M-MM3	ST-LC DUPLEX OM3 PATCH LEAD - 3 MTR	EA	1
DSTLC5M-MM3	ST-LC DUPLEX OM3 PATCH LEAD - 5 MTR	EA	1
DSTLC10M-MM3	ST-LC DUPLEX OM3 PATCH LEAD - 10 MTR	EA	1
DSTLC15M-MM3	ST-LC DUPLEX OM3 PATCH LEAD - 15 MTR	EA	1
DSTLC20M-MM3	ST-LC DUPLEX OM3 PATCH LEAD - 20 MTR	EA	1

MTRJ MTRJ OM3 PATCH LEADS

MTRJ-MTRJ DUPLEX OM3 PATCH LEAD - 5 MTR

Unit: EA Qty: 1



Part No. DMTRJ5M-MM3

- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Aqua



DUPLEX OM4 PATCH LEADS

LC LC OM4 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Erika Violet



Part No.	Description	Unit	Qty
DLCLC1M-MM4	LC-LC DUPLEX OM4 PATCH LEAD - 1 MTR	EA	1
DLCLC2M-MM4	LC-LC DUPLEX OM4 PATCH LEAD - 2 MTR	EA	1
DLCLC3M-MM4	LC-LC DUPLEX OM4 PATCH LEAD - 3 MTR	EA	1
DLCLC5M-MM4	LC-LC DUPLEX OM4 PATCH LEAD - 5 MTR	EA	1
DLCLC10M-MM4	LC-LC DUPLEX OM4 PATCH LEAD - 10 MTR	EA	1
DLCLC15M-MM4	LC-LC DUPLEX OM4 PATCH LEAD - 15 MTR	EA	1

SC LC OM4 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Erika Violet



Part No.	Description	Unit	Qty
DSCLC1M-MM4	SC-LC DUPLEX OM4 PATCH LEAD - 1 MTR	EA	1
DSCLC2M-MM4	SC-LC DUPLEX OM4 PATCH LEAD - 2 MTR	EA	1
DSCLC3M-MM4	SC-LC DUPLEX OM4 PATCH LEAD - 3 MTR	EA	1
DSCLC5M-MM4	SC-LC DUPLEX OM4 PATCH LEAD - 5 MTR	EA	1

FIBRE PATCH LEADS

SC SC OM4 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 3mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Erika Violet

Part No.	Description	Unit	Qty
DSCSC1M-MM4	SC-SC DUPLEX OM4 PATCH LEAD - 1 MTR	EA	1
DSCSC2M-MM4	SC-SC DUPLEX OM4 PATCH LEAD - 2 MTR	EA	1
DSCSC3M-MM4	SC-SC DUPLEX OM4 PATCH LEAD - 3 MTR	EA	1
DSCSC5M-MM4	SC-SC DUPLEX OM4 PATCH LEAD - 5 MTR	EA	1

DUPLEX OS1 OS2 PATCH LEADS SM

LC LC OS1 OS2 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include; CATV/Video, PON, WDM/DWDM, FTTH
- Colour: Yellow



Part No.	Description	Unit	Qty
DLCLC1M-SM	LC-LC DUPLEX OS1 PATCH LEAD - 1 MTR	EA	1
DLCLC2M-SM	LC-LC DUPLEX OS1 PATCH LEAD - 2 MTR	EA	1
DLCLC3M-SM	LC-LC DUPLEX OS2 PATCH LEAD - 3 MTR	EA	1
DLCLC4M-SM	LC-LC DUPLEX OS2 PATCH LEAD - 4 MTR	EA	1
DLCLC5M-SM	LC-LC DUPLEX OS2 PATCH LEAD - 5 MTR	EA	1
DLCLC8M-SM	LC-LC DUPLEX OS2 PATCH LEAD - 8 MTR	EA	1
DLCLC10M-SM	LC-LC DUPLEX OS2 PATCH LEAD - 10 MTR	EA	1
DLCLC12M-SM	LC-LC DUPLEX OS2 PATCH LEAD - 12 MTR	EA	1
DLCLC15M-SM	LC-LC DUPLEX OS2 PATCH LEAD - 15 MTR	EA	1
DLCLC20M-SM	LC-LC DUPLEX OS2 PATCH LEAD - 20 MTR	EA	1
DLCLC25M-SM	LC-LC DUPLEX OS2 PATCH LEAD - 25 MTR	EA	1
DLCLC30M-SM	LC-LC DUPLEX OS2 PATCH LEAD - 30 MTR	EA	1

SC LC OS1 OS2 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include; CATV/Video, PON, WDM/DWDM, FTTH
- Colour: Yellow



Part No.	Description	Unit	Qty
DSCLC0.5M-SM	SC-LC DUPLEX OS2 PATCH LEAD - 0.5 MTR	EA	1
DSCLC1M-SM	SC-LC DUPLEX OS2 PATCH LEAD - 1 MTR	EA	1
DSCLC2M-SM	SC-LC DUPLEX OS2 PATCH LEAD - 2 MTR	EA	1
DSCLC3M-SM	SC-LC DUPLEX OS2 PATCH LEAD - 3 MTR	EA	1
DSCLC5M-SM	SC-LC DUPLEX OS2 PATCH LEAD - 5 MTR	EA	1
DSCLC8M-SM	SC-LC DUPLEX OS2 PATCH LEAD - 8 MTR	EA	1
DSCLC10M-SM	SC-LC DUPLEX OS2 PATCH LEAD - 10 MTR	EA	1
DSCLC15M-SM	SC-LC DUPLEX OS2 PATCH LEAD - 15 MTR	EA	1
DSCLC20M-SM	SC-LC DUPLEX OS2 PATCH LEAD - 20 MTR	EA	1
DSCLC25M-SM	SC-LC DUPLEX OS2 PATCH LEAD - 25 MTR	EA	1
DSCLC30M-SM	SC-LC DUPLEX OS2 PATCH LEAD - 30 MTR	EA	1

SC SC OS1 OS2 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 3mm LSZH sheath
- Applications include; CATV/Video, PON, WDM/DWDM, FTTH
- Colour: Yellow



Part No.	Description	Unit	Qty
DSCSC0.5M-SM	SC-SC DUPLEX OS2 PATCH LEAD - 0.5 MTR	EA	1
DSCSC1M-SM	SC-SC DUPLEX OS2 PATCH LEAD - 1 MTR	EA	1
DSCSC2M-SM	SC-SC DUPLEX OS2 PATCH LEAD - 2 MTR	EA	1
DSCSC3M-SM	SC-SC DUPLEX OS2 PATCH LEAD - 3 MTR	EA	1
DSCSC5M-SM	SC-SC DUPLEX OS2 PATCH LEAD - 5 MTR	EA	1
DSCSC8M-SM	SC-SC DUPLEX OS2 PATCH LEAD - 8 MTR	EA	1
DSCSC10M-SM	SC-SC DUPLEX OS2 PATCH LEAD - 10 MTR	EA	1
DSCSC15M-SM	SC-SC DUPLEX OS2 PATCH LEAD - 15 MTR	EA	1
DSCSC20M-SM	SC-SC DUPLEX OS2 PATCH LEAD - 20 MTR	EA	1

ST SC OS1 OS2 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 3mm LSZH sheath
- Applications include; CATV/Video, PON, WDM/DWDM, FTTH
- Colour: Yellow



Part No.	Description	Unit	Qty
DSTSC1M-SM	ST-SC DUPLEX OS2 PATCH LEAD - 1 MTR	EA	1
DSTSC2M-SM	ST-SC DUPLEX OS2 PATCH LEAD - 2 MTR	EA	1
DSTSC3M-SM	ST-SC DUPLEX OS2 PATCH LEAD - 3 MTR	EA	1
DSTSC5M-SM	ST-SC DUPLEX OS2 PATCH LEAD - 5 MTR	EA	1
DSTSC10M-SM	ST-SC DUPLEX OS2 PATCH LEAD - 10 MTR	EA	1
DSTSC15M-SM	ST-SC DUPLEX OS2 PATCH LEAD - 15 MTR	EA	1
DSTSC20M-SM	ST-SC DUPLEX OS2 PATCH LEAD - 20 MTR	EA	1

ST LC OS1 OS2 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include; CATV/Video, PON, WDM/DWDM, FTTH
- Colour: Yellow



Part No.	Description	Unit	Qty
DSTLC1M-SM	ST-LC DUPLEX OS2 PATCH LEAD - 1 MTR	EA	1
DSTLC2M-SM	ST-LC DUPLEX OS2 PATCH LEAD - 2 MTR	EA	1
DSTLC3M-SM	ST-LC DUPLEX OS2 PATCH LEAD - 3 MTR	EA	1
DSTLC5M-SM	ST-LC DUPLEX OS2 PATCH LEAD - 5 MTR	EA	1
DSTLC10M-SM	ST-LC DUPLEX OS2 PATCH LEAD - 10 MTR	EA	1
DSTLC15M-SM	ST-LC DUPLEX OS2 PATCH LEAD - 15 MTR	EA	1

FIBRE PATCH LEADS

DUPLEX PATCH LEADS OS1 OS2 SM ANGLE POLISH

LCA LCA OS1 OS2 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Yellow



Part No.	Description	Unit	Qty
DLCALCA1M-SM	LCA-LCA DUPLEX OS2 PATCH LEAD - 1 MTR	EA	1
DLCALCA2M-SM	LCA-LCA DUPLEX OS2 PATCH LEAD - 2 MTR	EA	1
DLCALCA3M-SM	LCA-LCA DUPLEX OS2 PATCH LEAD - 3 MTR	EA	1
DLCALCA5M-SM	LCA-LCA DUPLEX OS2 PATCH LEAD - 5 MTR	EA	1

SCA LC OS1 OS2 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Yellow



Part No.	Description	Unit	Qty
DSCALC1M-SM	SCA-LC DUPLEX OS2 PATCH LEAD - 1 MTR	EA	1
DSCALC2M-SM	SCA-LC DUPLEX OS2 PATCH LEAD - 2 MTR	EA	1
DSCALC3M-SM	SCA-LC DUPLEX OS2 PATCH LEAD - 3 MTR	EA	1
DSCALC5M-SM	SCA-LC DUPLEX OS2 PATCH LEAD - 5 MTR	EA	1
DSCALC10M-SM	SCA-LC DUPLEX OS2 PATCH LEAD - 10 MTR	EA	1
DSCALC15M-SM	SCA-LC DUPLEX OS2 PATCH LEAD - 15 MTR	EA	1
DSCALC20M-SM	SCA-LC DUPLEX OS2 PATCH LEAD - 20 MTR	EA	1

SCA LCA OS1 OS2 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 2mm LSZH sheath
- Applications include data centre and premise cabling
- Colour: Yellow



Part No.	Description	Unit	Qty
DSCALCA2M-SM	SCA-LCA DUPLEX OS2 PATCH LEAD - 2 MTR	EA	1
DSCALCA3M-SM	SCA-LCA DUPLEX OS2 PATCH LEAD - 3 MTR	EA	1
DSCALCA5M-SM	SCA-LCA DUPLEX OS2 PATCH LEAD - 5 MTR	EA	1

SCA SC OS1 OS2 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 3mm LSZH sheath
- Applications include; CATV/Video, PON, WDM/DWDM, FTTH
- Colour: Yellow



Part No.	Description	Unit	Qty
DSCSCA1M-SM	SC-SCA DUPLEX OS2 PATCH LEAD - 1 MTR	EA	1
DSCSCA2M-SM	SC-SCA DUPLEX OS2 PATCH LEAD - 2 MTR	EA	1
DSCSCA3M-SM	SC-SCA DUPLEX OS2 PATCH LEAD - 3 MTR	EA	1
DSCSCA5M-SM	SC-SCA DUPLEX OS2 PATCH LEAD - 5 MTR	EA	1
DSCSCA10M-SM	SC-SCA DUPLEX OS2 PATCH LEAD - 10 MTR	EA	1
DSCSCA15M-SM	SC-SCA DUPLEX OS2 PATCH LEAD - 15 MTR	EA	1
DSCSCA20M-SM	SC-SCA DUPLEX OS2 PATCH LEAD - 20 MTR	EA	1
DSCSCA25M-SM	SC-SCA DUPLEX OS2 PATCH LEAD - 25 MTR	EA	1

SCA SCA OS1 OS2 PATCH LEADS



- Factory terminated leads with Mode coloured connectors and jacket for patching between active equipment and panels
- Up to 500 mating cycles (IEC 61300-2-2)
- 3mm LSZH sheath
- Applications include; CATV/Video, PON, WDM/DWDM, FTTH
- Colour: Yellow

mss fibre
systems



Part No.	Description	Unit	Qty
DSCASCA1M-SM	SCA-SCA DUPLEX OS2 PATCH LEAD - 1 MTR	EA	1
DSCASCA2M-SM	SCA-SCA DUPLEX OS2 PATCH LEAD - 2 MTR	EA	1
DSCASCA3M-SM	SCA-SCA DUPLEX OS2 PATCH LEAD - 3 MTR	EA	1
DSCASCA5M-SM	SCA-SCA DUPLEX OS2 PATCH LEAD - 5 MTR	EA	1
DSCASCA10M-SM	SCA-SCA DUPLEX OS2 PATCH LEAD - 10 MTR	EA	1
DSCASCA15M-SM	SCA-SCA DUPLEX OS2 PATCH LEAD - 15 MTR	EA	1
DSCASCA20M-SM	SCA-SCA DUPLEX OS2 PATCH LEAD - 20 MTR	EA	1
DSCASCA25M-SM	SCA-SCA DUPLEX OS2 PATCH LEAD - 25 MTR	EA	1

FIBRE CABLE UNTERMINATED

Do You Need Your Cable Terminated?

MSS Fibre Systems can manufacture a large range of Pre-Terminated Fibre Cables to suit your specific application requirements.

From straight forward simplex patch cords to custom Military Spec cable.

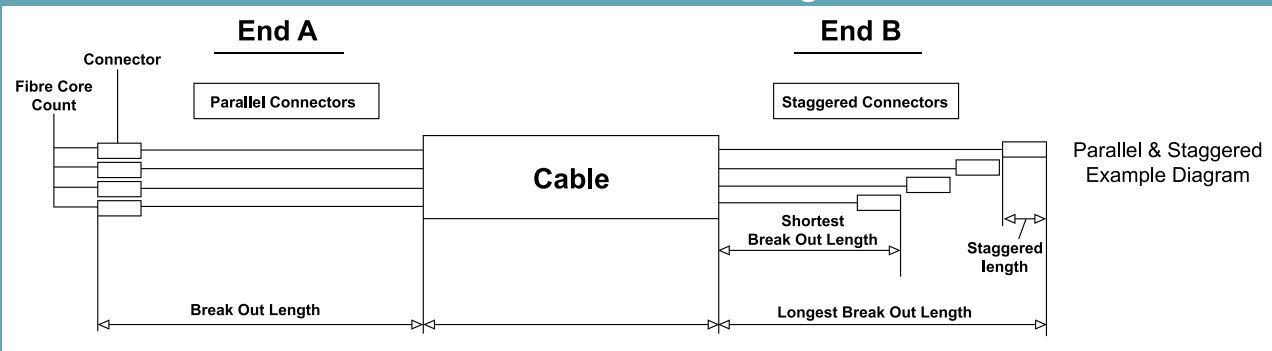
MSS has the resources and expertise to deliver a quality product with fast lead times and friendly customer service.

Features and Benefits

- Fully tested and ready to be installed
- Can manufacture a pre-terminated cable to your specific length, colour and connector type
- Pulling conduit assemblies available
- Custom labelling
- Cable drum for re-deployment
- Tested to AS/NZS3080, ISO 11801 Performance Standards
- RCM Compliant: E1508



Pre-Terminated Cable Ordering Details



End A

✓	Connector Type:	
	ST	LC
	SC	LCA
	SCA	MTRJ
	FC	

✓	Break Out Details:	
	Staggered (Default Length is 40mm)	
	Parallel	
	Break Out Length (Default Length is 400mm)	
	Over Sleeve 1.8mm	
	Over Sleeve 3mm (up to 12F only)	

*See diagram above

Cable

✓	Fibre Mode:	
	OS1 – Singlemode 9/125	
	OM1 – Multimode 62.5/125	
	OM3 – Multimode 50/125	
	OM4 – Multimode 50/125	

✓	Cable Type:	
	Tight Buffered Indoor-Outdoor	
	Loose-Tube Underground Cable	
✓	Where will the Cable be installed:	
	Underground	
	Outdoor	
	Indoor	

End B


✓	Connector Type:	
	ST	LC
	SC	LCA
	SCA	MTRJ
	FC	

✓	Break Out Details:	
	Staggered (Default Length is 40mm)	
	Parallel	
	Break Out Length (Default Length is 400mm)	
	Over Sleeve 1.8mm	
	Over Sleeve 3mm (up to 12F only)	

*See diagram above

Other

✓	Cable Pulling Mechanism:	
	Pulling Conduit	



✓	Special Labelling Requirements:	
	End A	
	End B	

✓	Core Count:	

✓	Length:	
	(in metres)	

✓	Cable Drum:	
	Recommended for cables over 50 metres	

TIGHT BUFFERED DUPLEX CORD

OM1 2MM DUPLEX CORD



- Duplex patch lead cable offers a reliable cable in a variety of jacket size and colour to suit a range of applications
- LSZH outer sheath
- Duplex Zip cord/Figure-8 construction
- Easy to strip and terminate



Part No.	Description	Unit	Qty
CAB-D2.0-MM-BL	CABLE DUPLEX 2.0MM OM1 BLUE	M	1
CAB-D2.0-MM-OR	CABLE DUPLEX 2.0MM OM1 ORANGE	M	1
CAB-D2.0-MM-PK	CABLE DUPLEX 2.0MM OM1 PINK	M	1
CAB-D2.0-MM-PR	CABLE DUPLEX 2.0MM OM1 PURPLE	M	1

OM3 2MM DUPLEX CORD

CABLE DUPLEX 2.0MM OM3 AQUA

Unit: M Qty: 1



Part No. CAB-D2.0-MM3-AQ

- A reliable cable in a variety of jacket size and colour to suit a range of applications
- LSZH outer sheath
- Duplex Zip cord/Figure-8 construction
- Easy to strip and terminate

OM4 2MM DUPLEX CORD



- A reliable cable in a variety of jacket size and colour to suit a range of applications
- LSZH outer sheath
- Duplex Zip cord/Figure-8 construction



Part No.	Description	Unit	Qty
CAB-D2.0-MM4-AQ	CABLE DUPLEX 2.0MM OM4 AQUA	M	1
CAB-D2.0-MM4-EV	CABLE DUPLEX 2.0MM OM4 ERIKA VIOLET	M	1

SM 2MM DUPLEX CORD

CABLE DUPLEX 2.0MM OS1 YELLOW

Unit: M Qty: 1



Part No. CAB-D2.0-SM-YL

- A reliable cable in a variety of jacket sizes and colours to suit a range of applications
- LSZH outer sheath
- Duplex Zip cord/Figure-8 construction
- Easy to strip and terminate

FIBRE CABLE UNTERMINATED

OM1 3MM DUPLEX CORD



- A reliable cable in a variety of jacket sizes and colours to suit a range of applications
- LSZH outer sheath
- Duplex Zip cord/Figure-8 construction
- Easy to strip and terminate

Part No.	Description	Unit	Qty
CAB-D3.0-MM-AQ	CABLE DUPLEX 3.0MM OM1 AQUA	M	1
CAB-D3.0-MM-BK	CABLE DUPLEX 3.0MM OM1 BLACK	M	1
CAB-D3.0-MM-BL	CABLE DUPLEX 3.0MM OM1 BLUE	M	1
CAB-D3.0-MM-GR	CABLE DUPLEX 3.0MM OM1 GREEN	M	1
CAB-D3.0-MM-OR	CABLE DUPLEX 3.0MM OM1 ORANGE	M	1
CAB-D3.0-MM-PK	CABLE DUPLEX 3.0MM OM1 PINK	M	1
CAB-D3.0-MM-PR	CABLE DUPLEX 3.0MM OM1 PURPLE	M	1
CAB-D3.0-MM-RD	CABLE DUPLEX 3.0MM OM1 RED	M	1
CAB-D3.0-MM-WH	CABLE DUPLEX 3.0MM OM1 WHITE	M	1

OM2 3MM DUPLEX CORD

CABLE DUPLEX 3.0MM OM2 ORANGE

Unit: M Qty: 1



Part No. CAB-D3.0-MM2-OR

- A reliable cable in a variety of jacket sizes and colours to suit a range of applications
- LSZH outer sheath
- Duplex Zip cord/Figure-8 construction
- Easy to strip and terminate

OM3 3MM DUPLEX CORD



- A reliable cable in a variety of jacket sizes and colours to suit a range of applications
- LSZH outer sheath
- Duplex Zip cord/Figure-8 construction
- Easy to strip and terminate

Part No.	Description	Unit	Qty
CAB-D3.0-MM3-AQ	CABLE DUPLEX 3.0MM OM3 AQUA	M	1
CAB-D3.0-MM3-PK	CABLE DUPLEX 3.0MM OM3 PINK	M	1

OM4 3MM DUPLEX CORD

CABLE DUPLEX 3.0MM OM4 ERIKA VIOLET

Unit: M Qty: 1



Part No. CAB-D3.0-MM4-EV

- A reliable cable in a variety of jacket sizes and colours to suit a range of applications
- LSZH outer sheath
- Duplex zip cord/figure-8 construction
- Easy to strip and terminate

SM 3MM DUPLEX CORD



- A reliable cable in a variety of jacket sizes and colours to suit a range of applications
- LSZH outer sheath
- Duplex Zip cord/Figure-8 construction
- Easy to strip and terminate

Part No.	Description	Unit	Qty
CAB-D3.0-SM	CABLE DUPLEX 3.0MM OS1 BLACK	M	1
CAB-D3.0-SM-BL	CABLE DUPLEX 3.0MM OS1 BLUE	M	1
CAB-D3.0-SM-PK	CABLE DUPLEX 3.0MM OS1 PINK	M	1
CAB-D3.0-SM-PR	CABLE DUPLEX 3.0MM OS1 PURPLE	M	1
CAB-D3.0-SM-RD	CABLE DUPLEX 3.0MM OS1 RED	M	1
CAB-D3.0-SM-YL	CABLE DUPLEX 3.0MM OS1 YELLOW	M	1

TIGHT BUFFERED INDOOR OUTDOOR RISER

INDOOR OUTDOOR RISER OM1



- Riser cable constructed from 900um made from PVC tight buffered fibres
- LSZH outer sheath
- Flexible and lightweight
- Dry block, water-swellable, aramid reinforcing blocking yarns

Part No.	Description	Unit	Qty
CAB-IOR-02-MM-OR	2F INDOOR/OUTDOOR RISER CABLE OM1 ORANGE	M	1
CAB-IOR-02-MM	2F INDOOR/OUTDOOR RISER CABLE OM1 BLACK	M	1
CAB-IOR-04-MM	4F INDOOR/OUTDOOR RISER CABLE OM1 BLACK	M	1
CAB-IOR-06-MM	6F INDOOR/OUTDOOR RISER CABLE OM1 BLACK	M	1
CAB-IOR-08-MM	8F INDOOR/OUTDOOR RISER CABLE OM1 BLACK	M	1
CAB-IOR-12-MM	12F INDOOR/OUTDOOR RISER CABLE OM1 BLACK	M	1

INDOOR OUTDOOR RISER OM3



- Riser cable constructed from 900um made from PVC tight buffered fibres
- LSZH outer sheath
- Flexible and lightweight
- Dry block, water-swellable, aramid reinforcing blocking yarns

Part No.	Description	Unit	Qty
CAB-IOR-02-MM3-AQ	2F INDOOR OUTDOOR RISER CABLE OM3 AQUA	M	1
CAB-IOR-04-MM3-AQ	4F INDOOR/OUTDOOR RISER CABLE OM3 AQUA	M	1
CAB-IOR-06-MM3-AQ	6F INDOOR/OUTDOOR RISER CABLE OM3 AQUA	M	1
CAB-IOR-06-MM3	6F INDOOR/OUTDOOR RISER CABLE OM3 BLACK	M	1
CAB-IOR-06-MM3-BL	6F INDOOR/OUTDOOR RISER CABLE OM3 BLUE	M	1
CAB-IOR-06-MM3-PK	6F INDOOR/OUTDOOR RISER CABLE OM3 PINK	M	1
CAB-IOR-06-MM3-RD	6F INDOOR/OUTDOOR RISER CABLE OM3 RED	M	1
CAB-IOR-08-MM3-AQ	8F INDOOR/OUTDOOR RISER CABLE OM3 AQUA	M	1
CAB-IOR-12-MM3-AQ	12F INDOOR/OUTDOOR RISER CABLE OM3 AQUA	M	1
CAB-IOR-12-MM3	12F INDOOR/OUTDOOR RISER CABLE OM3 BLACK	M	1
CAB-IOR-12-MM3-PK	12F INDOOR/OUTDOOR RISER CABLE OM3 PINK	M	1
CAB-IOR-24-MM3-AQ	24F INDOOR/OUTDOOR RISER CABLE OM3 AQUA	M	1
CAB-IOR-24-MM3	24F INDOOR/OUTDOOR RISER CABLE OM3 BLACK	M	1

FIBRE CABLE UNTERMINATED

INDOOR OUTDOOR RISER OM4



- Riser cable constructed from 900um made from PVC tight buffered fibres
- LSZH outer sheath
- Flexible and lightweight
- Dry block, water-swellable, aramid reinforcing blocking yarns

Part No.	Description	Unit	Qty
CAB-IOR-02-MM4-EV	2F INDOOR/OUTDOOR RISER CABLE OM4 EV	M	1
CAB-IOR-06-MM4-EV	6F INDOOR/OUTDOOR RISER CABLE OM4 EV	M	1
CAB-IOR-12-MM4-EV	12F INDOOR/OUTDOOR RISER CABLE OM4 EV	M	1
CAB-IOR-24-MM4-EV	24F INDOOR/OUTDOOR RISER CABLE OM4 EV	M	1

INDOOR OUTDOOR RISER SM



- Riser cable constructed from 900um made from PVC tight buffered fibres
- LSZH outer sheath
- Flexible and lightweight
- Dry block, water-swellable, aramid reinforcing blocking yarns

Part No.	Description	Unit	Qty
CAB-IOR-02-SM-YL	2F INDOOR/OUTDOOR RISER CABLE SM YELLOW	M	1
CAB-IOR-04-SM-YL	4F INDOOR/OUTDOOR RISER CABLE SM YELLOW	M	1
CAB-IOR-06-SM	6F INDOOR/OUTDOOR RISER CABLE SM BLACK	M	1
CAB-IOR-06-SM-YL	6F INDOOR/OUTDOOR RISER CABLE SM YELLOW	M	1
CAB-IOR-12-SM	12F INDOOR/OUTDOOR RISER CABLE SM BLACK	M	1
CAB-IOR-12-SM-YL	12F INDOOR/OUTDOOR RISER CABLE SM YELLOW	M	1
CAB-IOR-24-SM	24F INDOOR/OUTDOOR RISER CABLE SM BLACK	M	1
CAB-IOR-24-SM-YL	24F INDOOR/OUTDOOR RISER CABLE SM YELLOW	M	1

BELDEN OM3



- Halogen-free (FRNC/LSNH) UV resistant outer jacket
- Water blocking tape and swell-able yarn prevents moisture ingress
- Flame retardant to IEC 60332-2

Part No.	Description	Unit	Qty
BEL-GUMT304-BK	4 FIBRE OM3 INT/EXT RISER UV LSZH BLACK	M	1
BEL-GUMT306-BK	6 FIBRE OM3 INT/EXT RISER UV LSZH BLACK	M	1
BEL-GUMT308-BK	8 FIBRE OM3 INT/EXT RISER UV LSZH BLACK	EA	1
BEL-GUMT312-BK	12 FIBRE OM3 INT/EXT RISER UV LSZH BLACK	EA	1

BELDEN SM



- Halogen-free (FRNC/LSNH) UV resistant outer jacket
- Water blocking tape and swell-able yarn prevents moisture ingress
- Flame retardant to IEC 60332-2

Part No.	Description	Unit	Qty
BEL-GUMTA04-YL	4 F SM OS2 INT/EXT RISER UV LSZH YELLOW	EA	1
BEL-GUMTA06-YL	6 F SM OS2 INT/EXT RISER UV LSZH YELLOW	EA	1
BEL-GUMTA08-YL	8 F SM OS2 INT/EXT RISER UV LSZH YELLOW	EA	1
BEL-GUMTA12-YL	12 F SM OS2 INT/EXT RISER UV LSZH YELLOW	M	1

INDOOR OUTDOOR BREAKOUT OM1



- Breakout construction offers improved mechanical characteristics for use in harsh environments
- LSZH outer sheath
- Indoor/outdoor

Part No.	Description	Unit	Qty
CAB-IOB-06-MM	6F INDOOR/OUTDOOR BREAKOUT CABLE OM1	M	1
CAB-IOB-12-MM	12F INDOOR/OUTDOOR BREAKOUT CABLE OM1	M	1
CAB-IOB-24-MM	24F INDOOR/OUTDOOR BREAKOUT CABLE OM1	M	1

TIGHT BUFFERED MILITARY TACTICAL RISER

DISTRIBUTION OM1



- Re-deployable cable for harsh environments such as outside broadcast, sporting events, industrial, mining and military
- PU outer sheath
- Flexible, lightweight and extremely durable
- Flame retardant, UV resistant and water-blocked

Part No.	Description	Unit	Qty
CAB-IORM-06-MM	6F MIL TACTICAL DISTRIBUTION CABLE OM1	M	1
CAB-IORM-12-MM	12F MIL TACTICAL DISTRIBUTION CABLE OM1	M	1

DISTRIBUTION OM3



- Re-deployable cable for harsh environments such as outside broadcast, sporting events, industrial, mining and military
- PU outer sheath
- Flexible, lightweight and extremely durable
- Flame retardant, UV resistant and water-blocked

Part No.	Description	Unit	Qty
CAB-IORM-04-MM3	4F MIL TACTICAL DISTRIBUTION CABLE OM3	M	1
CAB-IORM-06-MM3	6F MIL TACTICAL DISTRIBUTION CABLE OM3	M	1
CAB-IORM-12-MM3	12F MIL TACTICAL DISTRIBUTION CABLE OM3	M	1

DISTRIBUTION SM



- Re-deployable cable for harsh environments such as outside broadcast, sporting events, industrial, mining and military
- PU outer sheath
- Flexible, lightweight and extremely durable
- Flame retardant, UV resistant and water-blocked

Part No.	Description	Unit	Qty
CAB-IORM-02-SM	2F MIL TACTICAL DISTRIBUTION CABLE SM	M	1
CAB-IORM-06-SM	6F MIL TACTICAL DISTRIBUTION CABLE SM	M	1
CAB-IORM-12-SM	12F MIL TACTICAL DISTRIBUTION CABLE SM	M	1
CAB-IORM-24-SM	24F MIL TACTICAL DISTRIBUTION CABLE SM	M	1

FIBRE CABLE UNTERMINATED

BREAKOUT OM1



- Breakout construction offers improved mechanical characteristics for use in harsh environments such as military, mining and industrial
- PU outer sheath
- Flexible, lightweight and extremely durable
- Flame retardant, UV resistant and water-blocked

Part No.	Description	Unit	Qty
CAB-IOBM-06-MM	6F MIL TACTICAL BREAKOUT CABLE OM1	M	1
CAB-IOBM-12-MM	12F MIL TACTICAL BREAKOUT CABLE OM1	M	1

BREAKOUT SM



- Breakout construction offers improved mechanical characteristics for use in harsh environments such as military, mining and industrial
- PU outer sheath
- Flexible, lightweight and extremely durable
- Flame retardant, UV resistant and water-blocked

Part No.	Description	Unit	Qty
CAB-IOBM-06-SM	6F MIL TACTICAL BREAKOUT CABLE SM	M	1
CAB-IOBM-12-SM	12F MIL TACTICAL BREAKOUT CABLE SM	M	1

FIRE RATED MONO AND LOOSE TUBE

FIRE RATED MONO OM3



- Indoor Fire rated fibre to IEC 60331-25 120 minutes at 750 Degrees Celsius max increase in attenuation 0.5dB
- Jelly filled mono tube construction - red LSZH jacket
- Mica tape and glass yarns

Part No.	Description	Unit	Qty
CAB-MT-06-MM3FR	6F FIRE RATED MONO TUBE CABLE OM3	M	1
CAB-MT-12-MM3FR	12F FIRE RATED MONO TUBE CABLE OM3	M	1

FIRE RATED MONO SM



- Indoor Fire rated fibre to IEC 60331-25 120 minutes at 750 Degrees Celsius max increase in attenuation 0.5dB
- Jelly filled mono tube construction - red LSZH jacket
- Mica tape and glass yarns

Part No.	Description	Unit	Qty
CAB-MT-06-SMFR	6F FIRE RATED MONO TUBE CABLE SM	M	1
CAB-MT-12-SMFR	12F FIRE RATED MONO TUBE CABLE SM	M	1

LOOSE TUBE PE NYLON

LOOSE TUBE PE NYLON OM1



- Dry blocked central non-metallic strength member with fibres contained in jelly filled loose tubes (12/tube)
- Blue nylon jacket over PE sheath
- For direct burial underground use
- Insect-resistant nylon jacket

Part No.	Description	Unit	Qty
CAB-LT-04-MM	4F LOOSE TUBE CABLE OM1	M	1
CAB-LT-06-MM	6F LOOSE TUBE CABLE OM1	M	1
CAB-LT-08-MM	8F LOOSE TUBE CABLE OM1	M	1
CAB-LT-12-MM	12F LOOSE TUBE CABLE OM1	M	1
CAB-LT-24-MM	24F LOOSE TUBE CABLE OM1	M	1

LOOSE TUBE PE NYLON OM3



- Dry blocked central non-metallic strength member with fibres contained in jelly filled loose tubes (12/tube)
- Blue nylon jacket over PE sheath
- For direct burial underground use
- Insect-resistant nylon jacket

Part No.	Description	Unit	Qty
CAB-LT-06-MM3	6F LOOSE TUBE CABLE OM3	M	1
CAB-LT-12-MM3	12F LOOSE TUBE CABLE OM3	M	1
CAB-LT-24-MM3	24F LOOSE TUBE CABLE OM3	M	1

LOOSE TUBE PE NYLON OM4



- Dry blocked central non-metallic strength member with fibres contained in jelly filled loose tubes (12/tube)
- Blue nylon jacket over PE sheath
- For direct burial underground use
- Insect-resistant nylon jacket

Part No.	Description	Unit	Qty
CAB-LT-06-MM4	6F LOOSE TUBE CABLE OM4	M	1
CAB-LT-12-MM4	12F LOOSE TUBE CABLE OM4	M	1
CAB-LT-24-MM4	24F LOOSE TUBE CABLE OM4	M	1

LOOSE TUBE PE NYLON SM



- Dry blocked central non-metallic strength member with fibres contained in jelly filled loose tubes (12/tube)
- Blue nylon jacket over PE sheath
- For direct burial underground use
- Insect-resistant nylon jacket

Part No.	Description	Unit	Qty
CAB-LT-06-SM	6F LOOSE TUBE CABLE SM	M	1
CAB-LT-12-SM	12F LOOSE TUBE CABLE SM	M	1
CAB-LT-24-SM	24F LOOSE TUBE CABLE SM	M	1
CAB-LT-36-SM	36F LOOSE TUBE CABLE SM	M	1
CAB-LT-48-SM	48F LOOSE TUBE CABLE SM	M	1
CAB-LT-72-SM	72F LOOSE TUBE CABLE SM	M	1
CAB-LT-96-SM	96F LOOSE TUBE CABLE SM	M	1
CAB-LT-144-SM	144F LOOSE TUBE CABLE SM	M	1
CAB-LT-312-SM	312F LOOSE TUBE CABLE SM	M	1

FIBRE CABLE UNTERMINATED

LOOSE TUBE SACRIFICIAL SHEATH NYLON PE

LOOSE TUBE SHEATH NYLON PE SM



- A termite resistant loose tube cable featuring a sacrificial jacket, non-metallic strength member, gel filled tubes and a dry block core
- For use in both direct bury and conduit/duct application
- Blue UV and insect/termite resistant Nylon (Polyamide) jacket
- Black PE (Polyethylene) UV resistant inner sheath
- Polyester based rip cords for easy sheath removal

Part No.	Description	Unit	Qty
CAB-LT-06-SMSS	6F LOOSE TUBE PE SAC SHEATH CABLE SM	M	1
CAB-LT-12-SMSS	12F LOOSE TUBE PE SAC SHEATH CABLE SM	M	1
CAB-LT-24-SMSS	24F LOOSE TUBE PE SAC SHEATH CABLE SM	M	1
CAB-LT-48-SMSS	48F LOOSE TUBE PE SAC SHEATH CABLE SM	M	1
CAB-LT-60-SMSS	60F LOOSE TUBE PE SAC SHEATH CABLE SM	M	1

ARMOURED LOOSE TUBE CST PE NYLON CABLE

LOOSE TUBE CST PE NYLON OM1



- CST Corrugated Steel Tape Armour (rodent resistant)
- Blue UV and insect/termite resistant nylon (Polyamide) jacket
- Black PE (Polyethylene) inner sheath
- Polyester based rip cords for easy sheath removal

Part No.	Description	Unit	Qty
CAB-LT-06-MMCST	6F CST ARMOURED LOOSE TUBE CABLE OM1	M	1
CAB-LT-12-MMCST	12F CST ARMOURED LOOSE TUBE CABLE OM1	M	1

LOOSE TUBE CST PE NYLON SM



- CST Corrugated Steel Tape Armour (rodent resistant)
- Blue UV and insect/termite resistant nylon (Polyamide) jacket
- Black PE (Polyethylene) inner sheath
- Polyester based rip cords for easy sheath removal

Part No.	Description	Unit	Qty
CAB-LT-06-SMCST	6F CST ARMOURED LOOSE TUBE CABLE SM	M	1
CAB-LT-12-SMCST	12F CST ARMOURED LOOSE TUBE CABLE SM	M	1
CAB-LT-24-SMCST	24F CST ARMOURED LOOSE TUBE CABLE SM	M	1
CAB-LT-48-SMCST	48F CST ARMOURED LOOSE TUBE CABLE SM	M	1

12F CST ARMOURED LOOSE TUBE CABLE MM3

Unit: M Qty: 1



Part No. CAB-LT-12-MM3CST

- CST Corrugated Steel Tape Armour (rodent resistant)
- Blue UV and insect/termite resistant nylon (Polyamide) jacket
- Black PE (Polyethylene) inner sheath
- Polyester based rip cords for easy sheath removal

ARMOURED LOOSE TUBE CST PE CABLE

LOOSE TUBE CST PE



- Additional strength - provides protection against rodents
- PE/CST/PE Construction
- For direct burial, duct or cable tray use
- Superior rodent resistance

Part No.	Description	Unit	Qty
CAB-LT-24-SMCSTPE	24F CST ARMOURED PE LOOSE TUBE CABLE SM	M	1
CAB-LT-06-MMCSTPE	6F CST ARMOURED PE LOOSE TUBE CABLE OM1	M	1
CAB-LT-12-MMCSTPE	12F CST ARMOURED PE LOOSE TUBE CABLE OM1	M	1
CAB-LT-12-MM3CSTPE	12F ARMOURED PE LOOSE TUBE CABLE OM3	M	1

FIBRE ENCLOSURES

MSS 19" Sliding Enclosure

The MSS 19" Rack Mount Sliding Enclosures offer the installer a premium product with a variety of features for easy direct termination or fusion splicing of cables due to its unique sliding tray system.

Its modular design provides the flexibility to choose from a variety of thru-adaptor types including ST, SC, FC, LC and MTRJ.

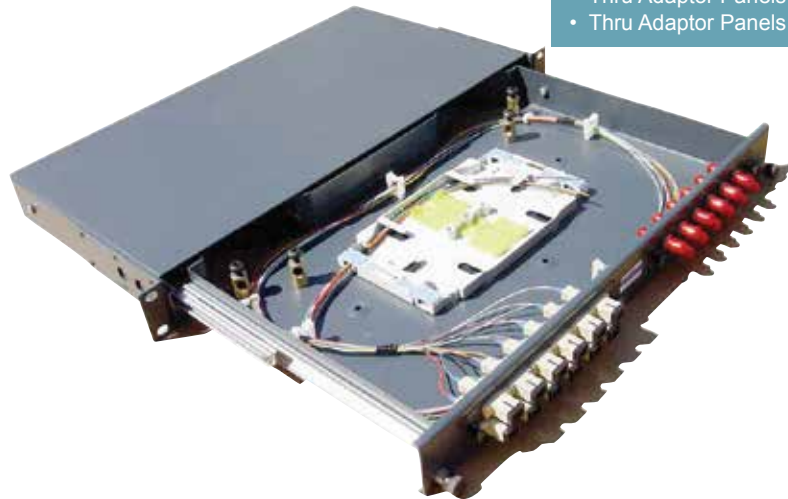
Splice cassettes are easily fitted via pre-installed mountings and the sliding tray allows technicians easy access back into the enclosure after installation for repairs and maintenance.

Features and Benefits

- Tough and durable steel design
- Supports a wide range of splice cassettes
- Utilises modular coupler panels to suit your connector type (see coupler panels)
- Quality 2 stage sliding mechanism
- Accommodates up to 96 fibres depending on selected enclosure
- Adjustable mounting brackets
- Angled rear cable mounts
- Comes with M20 gland, strength clamp and cable management clips

For THRU ADAPTOR PANELS, refer to the following sections:

- Flat Panel and Thru Adaptor Kits
- Thru Adaptor Panels Angled
- Thru Adaptor Panels Flat



RACK MOUNT SLIDING AND FIXED ENCLOSURE

RACK MOUNT ENCLOSURES

1RU FIXED ENCL (FOR 2 PANELS/24 FIBRE)

Unit: EA Qty: 1



Part No. 1RU-F-24MOD

- Compact, modular design with screw lid. Accepts various coupler panels and splice cassettes
- Tough and durable steel
- 20mm rear gland holes for cable entry
- Accommodates up to 24 fibres (48 for LC)
- Dimensions (mm): 436 H x 482 W x 246.6 D

1RU FIXED KIT WITH PANELS

Unit: KIT Qty: 1



Part No. 1RU-F-24MOD-KIT

- Fixed enclosure - includes flat coupler panels with numbered ports and splice cassette
- Left and right LC duplex panels numbered (12 ports per panel)
- Left and right SC duplex panels numbered (6 ports per panel)
- 1 Blank panel
- Dimensions (mm): 436 H x 482 W x 246.6 D

1RU SLIDING KIT (INC. 3X PANEL LC/SC/ST)

Unit: KIT Qty: 1



Part No. 1RU-S-24KIT

- All-in-one economy fibre enclosure. Includes panels to accept most connector styles, splice cassette and install accessories
- Interchangeable panels included (LC-48F, SC-48F, ST-24F)
- Detachable rear plate for larger cable entry
- Lightweight - no exposed screws
- Dimensions (mm): 45 H x 530 W x 250 D

1RU SLIDING ENCL (FOR 2 PANELS/24 FIBRE)

Unit: EA Qty: 1



Part No. 1RU-S-24MOD

- Sliding enclosure - a premium product for direct termination or fusion splicing with its unique sliding tray. Made of tough and durable steel
- Accepts 2 coupler panels
- 20mm rear gland holes for cable entry
- Accommodates up to 24 fibres (48 for LC)
- Dimensions (mm): 43.6 H x 482 W x 296 D

1RU SLIDING KIT WITH PANELS (SC & LC)

Unit: KIT Qty: 1



Part No. 1RU-S-24MOD-KIT

- Sliding enclosure - for direct termination or fusion splicing. Includes flat coupler panels with numbered ports and splice cassette
- Left and right LC duplex panels numbered (12 ports per panel)
- Left and right SC duplex panels numbered (6 ports per panel)
- 1x Blank panel
- Dimensions (mm): 43.6 H x 482 W x 296 D

1RU HIGH DENSITY PIVOT PANEL - 48 SCS

Unit: EA Qty: 1



Part No. 1RU-ODF-48SCS

- 48 SC Simplex or LC Duplex connections
- Angled adaptors for reduced bend losses
- Fully integrated fibre management
- High flow ventilation
- Dimensions (mm): 44 H x 479 W x 282.5 D

2RU SLIDING ENCL (FOR 4 PANELS/48 FIBRE)

Unit: EA Qty: 1



Part No. 2RU-S-48MOD

- A premium product for direct termination or fusion splicing with its unique sliding tray, made of tough and durable steel
- Accepts various coupler panels and splice trays
- Accommodates up to 48 fibres (96 for LC)
- Comes with M20 gland, strength clamp and cable management clips
- Dimensions (mm): 88 H x 482 W x 296 D

3RU SLIDING ENCL (FOR 8 PANELS/96 FIBRE)

Unit: EA Qty: 1



Part No. 3RU-S-96MOD

- A premium product for direct termination or fusion splicing with its unique sliding tray. Made of tough and durable steel
- Accepts various coupler panels and splice trays
- Accommodates up to 96 fibres (192 for LC)
- Comes with M20 gland, strength clamp and cable management clips
- Dimensions (mm): 131 H x 482 W x 296 D

1RU MTP ENCLOSURE - FOR 3X CASSETTE

Unit: EA Qty: 1



Part No. MTP-1RU

- Sliding Enclosure
- Accepts up to 3x LGX MTP/MPO cassettes
- Multiple rear cable entry points
- Accommodates up to 72 fibres
- Dimensions (mm): 45 H x 530 W x 250 D

FIBRE ENCLOSURES

WALL MOUNT ENCLOSURES

MSF WALL MOUNT ENCLOSURES

WALL BOX (FOR 1 PANEL/12 FIBRE)

Unit: EA Qty: 1



Part No. WB-12MOD

- Utilises modular coupler panels to suit various connector types
- Accommodates up to 24 Fibres (via LC Duplex)
- Access via screw lid
- Small compact design: 207mmH x 207mmW x 43.6mmD
- 20mm gland holes for cable entry

WALL BOX (FOR 1-2 PANELS/12-24 FIBRE)

Unit: EA Qty: 1



Part No. WB-12/24MOD

- Utilises modular coupler panels to suit various connector types
- Accommodates up to 48 Fibres (via LC Duplex)
- Access via screw lid
- Small compact design: 207mmH x 207mmW x 73mmD
- 20mm gland holes for cable entry

WALL BOX (FOR 2 PANELS/24 FIBRE)

Unit: EA Qty: 1



Part No. WB-24MOD

- Heavy-duty hinge mechanism with lockable door. Hinged at back of enclosures
- Tough and durable steel design
- Small compact design
- Dimensions (mm): 260 H x 333 W x 100 D

WALL BOX (FOR 2 PANELS/24 FIBRE)

Unit: EA Qty: 1



Part No. WB-24MOD-TH

- Heavy-duty hinge mechanism
- Tough and durable steel design
- Tough and durable
- Small compact design
- Dimensions (mm): 260 H x 333 W x 100 D

WALL BOX (FOR 4 PANELS/48 FIBRE)

Unit: EA Qty: 1



Part No. WB-48MOD

- Heavy-duty hinge mechanism with lockable door. Hinged at back of enclosures
- Tough and durable steel design
- Small compact design
- Dimensions (mm): 330 H x 403 W x 100 D

WALL BOX (FOR 12-FIBRE SC DUPLEX) IP RATED

Unit: EA Qty: 1



Part No. WB-12-SCD-IP

- IP65 rating for external use with lockable door for added security
- Includes 6-way SC Duplex adaptor panel
- Accepts SC Duplex and LC Quad thru adaptors
- Tough and durable small compact design
- Dimensions (mm): 275 H x 197 W x 65 D

WALL BOX FOR 24-FIBRE SC SIMPLEX IPRATED

Unit: EA Qty: 1



Part No. WB-24-SCS-IP

- IP65 rating for external use with lockable door for added security
- Includes 24-way SC Simplex adaptor panel
- Accepts SC Simplex and LC Duplex thru adaptors
- Tough and durable small compact design
- Dimensions (mm): 355 H x 280 W x 100 D

DIN RAIL MOUNT ENCLOSURES

DIN RAIL MOUNT ENCLOSURE

WALL BOX (1 PANEL/12 FIBRE) DIN MOUNT

Unit: EA Qty: 1



Part No. WB-12MOD-DIN

- Compact size makes them very easy to install and remove
- Ideal for pre-terminated cable assemblies/direct terminations
- Accommodates up to 12 x SC Simplex or LC Duplex thru adaptors
- Allow for fusion splicing pigtailed to incoming loose tube cable

MODULE OM3 (NO HOUSING)



- A component of the MIPP - a modular, flexible patch panel system that can combine both copper and fibre into one innovative solution
- Pigtailed/Connectors are sold separately
- Module only - up to 12 Fibres via included duplex adaptors
- Top and bottom cable entry for ring topology applications

Part No.	Description	Unit	Qty
BEL-XX3M	MODULE ONLY OM3 LC X 6D	EA	1
BEL-XX3N	MODULE ONLY OM3 SC X 6D	EA	1
BEL-XX3O	MODULE ONLY OM3 ST X 6D	EA	1

MODULE OM3 WITH CONNECTORS (NO HOUSING)



- A component of the MIPP - a modular, flexible patch panel system that can combine both copper and fibre into one innovative solution
- Includes 12 Brilliance OM3 Mechanical Splice Connectors
- Module only - up to 12 fibres via 6 OM3 duplex thru adaptors
- Top and bottom cable entry for ring topology applications



Part No.	Description	Unit	Qty
BEL-XX3A	MODULE ONLY OM3 LC X 6D C/W CONNECTORS	EA	1
BEL-XX3B	MODULE ONLY OM3 SC X 6D C/W CONNECTORS	EA	1

MODULE SM (NO HOUSING)



- A component of the MIPP - a modular, flexible patch panel system that can combine both copper and fibre into one innovative solution
- Pigtailed/Connectors are sold separately
- Module only - up to 12 Fibres via included duplex adaptors
- Top and bottom cable entry for ring topology applications

Part No.	Description	Unit	Qty
BEL-XXSM	MODULE ONLY SM LC X 6D	EA	1
BEL-XXSN	MODULE ONLY SM SC X 6D	EA	1
BEL-XXSO	MODULE ONLY SM ST X 6D	EA	1

FIBRE ENCLOSURES

MODULE SM WITH CONNECTORS (NO HOUSING)



- A component of the MIPP - a modular, flexible patch panel system that can combine both copper and fibre into one innovative solution
- Includes 12 Brilliance SM Mechanical Splice Connectors
- Module only - up to 12 fibres via 6 SM duplex thru adaptors
- Top and bottom cable entry for ring topology applications

BELDEN
SENDING ALL THE RIGHT SIGNALS

BRILLIANCE
CONNECTOR
x12

Part No.	Description	Unit	Qty
BEL-XXSA	MODULE ONLY SM LC X 6D C/W CONNECTORS	EA	1
BEL-XXSB	MODULE ONLY SM SC X 6D C/W CONNECTORS	EA	1

MIPP OM3



- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- Compact size takes up minimal space in a cabinet
- Accommodates up to 12 fibres via 6 OM3 LC duplex thru adaptors
- Pigtails and Fibre Connectors are sold separately

BELDEN
SENDING ALL THE RIGHT SIGNALS

Part No.	Description	Unit	Qty
BEL-AD3M	MIPP OM3 LC X 6D	EA	1
BEL-AD3N	MIPP OM3 SC X 6D	EA	1
BEL-AD3O	MIPP OM3 ST X 6D	EA	1
BEL-BD3M3M	MIPP OM3 LC X 12D	EA	1
BEL-BD3N3N	MIPP OM3 SC X 12D	EA	1
BEL-BD3O3O	MIPP OM3 ST X 12D	EA	1

MIPP OM3 WITH CONNECTORS



- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- Compact size takes up minimal space in a cabinet
- Accommodates up to 12 fibres via 6 OM3 LC duplex thru adaptors
- Includes 12 Brilliance OM3 LC Mechanical Splice Connectors

BELDEN
SENDING ALL THE RIGHT SIGNALS

BRILLIANCE
CONNECTOR
x12

Part No.	Description	Unit	Qty
BEL-AD3A	MIPP OM3 LC X 6D	EA	1
BEL-AD3B	MIPP OM3 SC X 6D	EA	1
BEL-BD3A3A	MIPP OM3 LC X 12D	EA	1
BEL-BD3A3B	MIPP OM3 LC X 6D OM3 SC X 6D	EA	1
BEL-BD3B3B	MIPP OM3 SC X 12D	EA	1

MIPP OM3 SM WITH CONNECTORS



- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- Compact size takes up minimal space in a cabinet
- Accommodates up to 24 fibres via 6 LC OM3 and 6 LC SM duplex adaptor
- Includes 12 LC OM3 and 12 LC SM Mechanical Splice Connectors

BELDEN
SENDING ALL THE RIGHT SIGNALS

BRILLIANCE
CONNECTOR
x24

Part No.	Description	Unit	Qty
BEL-BD3ASA	MIPP OM3 LC X 6D SM LC X 6D	EA	1
BEL-BD3ASB	MIPP OM3 LC X 6D SM SC X 6D	EA	1

MIPP CAT6 UTP OM3



- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 4 port module that includes 2 cat6 UTP Jacks
- Accommodates up to 12 fibres via 6 OM3 LC duplex thru adaptors
- Pigtails and Fibre Connectors are sold separately



Part No.	Description	Unit	Qty
BEL-BD6A3M	MIPP C6/UTP X 2 OM3 LC X 6D	EA	1
BEL-BD6A3N	MIPP C6/UTP X 2 OM3 SC X 6D	EA	1
BEL-BD6B3O	MIPP C6/UTP X 4 OM3 ST X 6D	EA	1
BEL-BD6B3M	MIPP C6/UTP X 4 OM3 LC X 6D	EA	1
BEL-BD6B3N	MIPP C6/UTP X 4 OM3 SC X 6D	EA	1
BEL-BD6A3O	MIPP C6/UTP X 2 OM3 ST X 6D	EA	1

MIPP CAT6 UTP OM3 WITH CONNECTORS



- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 4 port module that includes 2 cat6 UTP Jacks
- Accommodates up to 12 fibres via 6 OM3 LC duplex thru adaptors
- Includes 12 Brilliance OM3 LC Mechanical Splice Connectors



Part No.	Description	Unit	Qty
BEL-BD6A3A	MIPP C6/UTP X 2 OM3 LC X 6D	EA	1
BEL-BD6A3B	MIPP C6/UTP X 2 OM3 SC X 6D	EA	1
BEL-BD6B3A	MIPP C6/UTP X 4 OM3 LC X 6D	EA	1
BEL-BD6B3B	MIPP C6/UTP X 4 OM3 SC X 6D	EA	1

MIPP CAT6 STP OM3



- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 4 port module that includes 2 cat6 STP Jacks
- Accommodates up to 12 fibres via 6 OM3 LC duplex thru adaptors
- Pigtails and Fibre Connectors are sold separately



Part No.	Description	Unit	Qty
BEL-BD6C3M	MIPP C6/STP X 2 OM3 LC X 6D	EA	1
BEL-BD6C3N	MIPP C6/STP X 2 OM3 SC X 6D	EA	1
BEL-BD6C3O	MIPP C6/STP X 2 OM3 ST X 6D	EA	1
BEL-BD6D3M	MIPP C6/STP X 4 OM3 LC X 6D	EA	1
BEL-BD6D3N	MIPP C6/STP X 4 OM3 SC X 6D	EA	1
BEL-BD6D3O	MIPP C6/STP X 4 OM3 ST X 6D	EA	1

MIPP CAT6 STP OM3 WITH CONNECTORS



- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 4 port module that includes 2 cat6 STP Jacks
- Accommodates up to 12 fibres via 6 OM3 LC duplex thru adaptors
- Includes 12 Brilliance OM3 LC Mechanical Splice Connectors



Part No.	Description	Unit	Qty
BEL-BD6C3A	MIPP C6/STP X 2 OM3 LC X 6D	EA	1
BEL-BD6C3B	MIPP C6/STP X 2 OM3 SC X 6D	EA	1
BEL-BD6D3A	MIPP C6/STP X 4 OM3 LC X 6D	EA	1
BEL-BD6D3B	MIPP C6/STP X 4 OM3 SC X 6D	EA	1

FIBRE ENCLOSURES

MIPP SM



- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- Compact size takes up minimal space in a cabinet
- Accommodates up to 12 fibres via 6 SM LC duplex thru adaptors
- Pigtailed and Fibre Connectors are sold separately



Part No.	Description	Unit	Qty
BEL-ADSM	MIPP SM LC X 6D	EA	1
BEL-ADSN	MIPP SM SC X 6D	EA	1
BEL-ADSO	MIPP SM ST X 6D	EA	1
BEL-BDSMSM	MIPP SM LC X 12D	EA	1
BEL-BDSNSN	MIPP SM SC X 12D	EA	1
BEL-BDSOSO	MIPP SM ST X 12D	EA	1

MIPP SM WITH CONNECTORS



- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- Compact size takes up minimal space in a cabinet
- Accommodates up to 12 fibres via 6 SM LC duplex thru adaptors
- Includes 12 Brilliance SM LC Mechanical Splice Connectors



Part No.	Description	Unit	Qty
BEL-ADSA	MIPP SM LC X 6D	EA	1
BEL-ADSB	MIPP SM SC X 6D	EA	1
BEL-BDSASA	MIPP SM LC X 12D	EA	1
BEL-BDSASB	MIPP SM LC X 6D SM SC X 6D	EA	1
BEL-BDSBSB	MIPP SM SC X 12D	EA	1

MIPP CAT6 UTP SM



- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 4 port module that includes 2 cat6 UTP Jacks
- Accommodates up to 12 fibres via 6 SM LC duplex thru adaptors
- Pigtailed and Fibre Connectors are sold separately



Part No.	Description	Unit	Qty
BEL-BD6ASM	MIPP C6/UTP X 2 SM LC X 6D	EA	1
BEL-BD6ASN	MIPP C6/UTP X 2 SM SC X 6D	EA	1
BEL-BD6ASO	MIPP C6/UTP X 2 SM ST X 6D	EA	1
BEL-BD6BSM	MIPP C6/UTP X 4 SM LC X 6D	EA	1
BEL-BD6BSN	MIPP C6/UTP X 4 SM SC X 6D	EA	1
BEL-BD6BSO	MIPP C6/UTP X 4 SM ST X 6D	EA	1

MIPP CAT6 UTP SM WITH CONNECTORS



- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 4 port module that includes 2 cat6 UTP Jacks
- Accommodates up to 12 fibres via 6 SM LC duplex thru adaptors
- Includes 12 Brilliance SM LC Mechanical Splice Connectors



Part No.	Description	Unit	Qty
BEL-BD6ASA	MIPP C6/UTP X 2 SM LC X 6D	EA	1
BEL-BD6ASB	MIPP C6/UTP X 2 SM SC X 6D	EA	1
BEL-BD6BSA	MIPP C6/UTP X 4 SM LC X 6D	EA	1
BEL-BD6BSB	MIPP C6/UTP X 4 SM SC X 6D	EA	1

MIPP CAT6 STP SM



- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 4 port module that includes 2 cat6 STP Jacks
- Accommodates up to 12 fibres via 6 SM LC duplex thru adaptors
- Pigtails and Fibre Connectors are sold separately



Part No.	Description	Unit	Qty
BEL-BD6CSM	MIPP C6/STP X 2 SM LC X 6D	EA	1
BEL-BD6CSN	MIPP C6/STP X 2 SM SC X 6D	EA	1
BEL-BD6CSO	MIPP C6/STP X 2 SM ST X 6D	EA	1
BEL-BD6DSM	MIPP C6/STP X 4 SM LC X 6D	EA	1
BEL-BD6DSN	MIPP C6/STP X 4 SM SC X 6D	EA	1
BEL-BD6DSO	MIPP C6/STP X 4 SM ST X 6D	EA	1

MIPP CAT6 STP SM WITH CONNECTORS



- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 4 port module that includes 2 cat6 STP Jacks
- Accommodates up to 12 fibres via 6 SM LC duplex thru adaptors
- Includes 12 Brilliance SM LC Mechanical Splice Connectors



Part No.	Description	Unit	Qty
BEL-BD6CSA	MIPP C6/STP X 2 SM LC X 6D	EA	1
BEL-BD6CSB	MIPP C6/STP X 2 SM SC X 6D	EA	1
BEL-BD6DSA	MIPP C6/STP X 4 SM LC X 6D	EA	1
BEL-BD6DSB	MIPP C6/STP X 4 SM SC X 6D	EA	1

FIBRE ENCLOSURES

ACCESSORIES

ACCESSORIES

BAG OF BITS FOR ENCLOSURE

Unit: EA Qty: 1



Part No. BAG-BITS

- Accessories for cable management within enclosures and wall boxes
- Includes gland cable clamp for securing cable strength member
- Includes cable clips and cable ties for managing multiple cores

1RU SLIDING STORAGE TRAY

Unit: EA Qty: 1



Part No. 1RU-STORAGE

- A premium choice in patch lead management. Housing slack of patch leads via front and rear access
- Holds various lengths of patch leads via front and rear access
- Slides for wider opening and better access
- Extendable double slide rails for smooth sliding

HEYCO SMALL CABLE CLIP - PLASTIC

Unit: EA Qty: 1



Part No. CABLE-CLIP-SM

- Small Heyco cable clip used for management and routing of fibres within an enclosure
- Suits MSS branded enclosure
- Made from white plastic

STRENGTH MEMBER CLAMP ASSEMBLY

Unit: EA Qty: 1



Part No. CABLE-CLAMP

- Constructed from sturdy brass and featuring dual screws from strong clamping ability
- Suits MSS branded enclosure

FLAT PANEL AND THRU ADAPTOR KITS

LC DUPLEX KIT UN-NUMBERED



- 12 Fibre Flat Panel supplied with 6x LC Duplex Thru adaptors
- 6 Ports with max. capacity of 12 fibre via LC Duplex
- Panel is un-labelled
- Compatible with MSSF Wall Mount and Rack Mount Enclosures

Part No.	Description	Unit	Qty
PF-LD12FBN-M1	PNL KIT FLAT 12F LCD OM1 INC THRU	KIT	1
PF-LD12FBN-M3	PNL KIT FLAT 12F LCD OM3 INC THRU	KIT	1
PF-LD12FBN-M4	PNL KIT FLAT 12F LCD OM4 INC THRU	KIT	1
PF-LD12FBN-SM	PNL KIT FLAT 12F LCD SM INC THRU	KIT	1

ST SIMPLEX KIT UN-NUMBERED



- 6 Fibre Flat Panel supplied with 6x ST Simplex Thru adaptors
- 6 Ports with max. capacity of 6 fibre via ST Simplex
- Panel is un-labelled
- Compatible with MSSF Wall Mount and Rack Mount Enclosures

Part No.	Description	Unit	Qty
PF-ST506FBN-M1	PNL KIT FLAT 6F ST MM INC THRU	KIT	1
PF-ST506FBN-SM	PNL KIT FLAT 6F ST SM INC THRU	KIT	1

LC DUPLEX KIT NUMBERED 1-12



- 24 Fibre Flat Panel supplied with 12x LC Duplex Thru adaptors
- 12 Ports with max. capacity of 24 fibre via LC Duplex
- Panel is labelled 1-12
- Compatible with MSSF Wall Mount and Rack Mount Enclosures

Part No.	Description	Unit	Qty
PF-LD24F1/12N-M1	PNL KIT FLAT 24F LCD OM1 1-12 INC THRU	KIT	1
PF-LD24F1/12N-M3	PNL KIT FLAT 24F LCD OM3 1-12 INC THRU	KIT	1
PF-LD24F1/12N-M4	PNL KIT FLAT 24F LCD OM4 1-12 INC THRU	KIT	1
PF-LD24F1/12N-SM	PNL KIT FLAT 24F LCD SM 1-12 INC THRU	KIT	1

LC DUPLEX KIT NUMBERED 13-24



- 24 Fibre Flat Panel supplied with 12x LC Duplex Thru adaptors
- 12 Ports with max. capacity of 24 fibre via LC Duplex
- Panel is labelled 13-24
- Compatible with MSSF Wall Mount and Rack Mount Enclosures

Part No.	Description	Unit	Qty
PF-LD24F13/24N-M1	PNL KIT FLAT 24F LCD OM1 13-24 INC THRU	KIT	1
PF-LD24F13/24N-M3	PNL KIT FLAT 24F LCD OM3 13-24 INC THRU	KIT	1
PF-LD24F13/24N-M4	PNL KIT FLAT 24F LCD OM4 13-24 INC THRU	KIT	1
PF-LD24F13/24N-SM	PNL KIT FLAT 24F LCD SM 13-24 INC THRU	KIT	1

SC DUPLEX KIT NUMBERED 1-12



- 12 Fibre Flat Panel supplied with 6x SC Duplex Thru adaptors
- 6 Ports with max. capacity of 12 fibre via SC Duplex
- Panel is labelled 1-12
- Compatible with MSSF Wall Mount and Rack Mount Enclosures

Part No.	Description	Unit	Qty
PF-SD12F1/12N-M1	PNL KIT FLAT 12F SCD OM1 1-12 INC THRU	KIT	1
PF-SD12F1/12N-M3	PNL KIT FLAT 12F SCD OM3 1-12 INC THRU	KIT	1
PF-SD12F1/12N-M4	PNL KIT FLAT 12F SCD OM4 1-12 INC THRU	KIT	1
PF-SD12F1/12N-SM	PNL KIT FLAT 12F SCD SM 1-12 INC THRU	KIT	1

FIBRE ENCLOSURES

SC DUPLEX KIT NUMBERED 13-24



- 12 Fibre Flat Panel supplied with 6x SC Duplex Thru adaptors
- 6 Ports with max. capacity of 12 fibre via SC Duplex
- Panel is labelled 13-24
- Compatible with MSSF Wall Mount and Rack Mount Enclosures

Part No.	Description	Unit	Qty
PF-SD12F13/24N-M1	PNL KIT FLAT 12F SCD OM1 13-24 INC THRU	KIT	1
PF-SD12F13/24N-M3	PNL KIT FLAT 12F SCD OM3 13-24 INC THRU	KIT	1
PF-SD12F13/24N-M4	PNL KIT FLAT 12F SCD OM4 13-24 INC THRU	KIT	1
PF-SD12F13/24N-SM	PNL KIT FLAT 12F SCD SM 13-24 INC THRU	KIT	1

ST SIMPLEX KIT NUMBERED 1-12



- 12 Fibre Flat Panel supplied with 12x ST Simplex Thru adaptors
- 12 Ports with max. capacity of 12 fibre via ST Simplex
- Panel is labelled 1-12
- Compatible with MSSF Wall Mount and Rack Mount Enclosures

Part No.	Description	Unit	Qty
PF-ST12F1/12N-MM	PNL KIT FLAT 12F ST MM 1-12 INC THRU	KIT	1
PF-ST12F1/12N-SM	PNL KIT FLAT 12F ST SM 1-12 INC THRU	KIT	1

ST SIMPLEX KIT NUMBERED 13-24



- 12 Fibre Flat Panel supplied with 12x ST Simplex Thru adaptors
- 12 Ports with max. capacity of 12 fibre via ST Simplex
- Panel is labelled 13-24
- Compatible with MSSF Wall Mount and Rack Mount Enclosures

Part No.	Description	Unit	Qty
PF-ST12F13/24N-MM	PNL KIT FLAT 12F ST MM 13-24 INC THRU	KIT	1
PF-ST12F13/24N-SM	PNL KIT FLAT 12F ST SM 13-24 INC THRU	KIT	1

THRU ADAPTOR PANELS ANGLED

LC DUPLEX/SC SIMPLEX PANEL ANGLED UN-NUMBERED

PANEL ANGLED (SC SPX 6 PORT)

Unit: EA Qty: 1



Part No. PNL-SC6-S-A

- Compatible with LC duplex/SC simplex thru adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Angled construction reduces patch lead bend radius

SC DX/LC QUAD PANEL ANGLED RIGHT - NUMBERED



- Compatible with SC duplex/LC quad thru adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Angled construction reduces patch lead bend radius



Part No.	Description	Unit	Qty
PNL-SC12-D-A1/12R	PANEL ANGLED (SC DPX 6 PORT 1-12) R/H	EA	1
PNL-SC12-D-A13/24R	PANEL ANGLED (SC DPX 6 PORT 13-24) R/H	EA	1
PNL-SC12-D-A25/36R	PANEL ANGLED (SC DPX 6 PORT 25-36) R/H	EA	1
PNL-SC12-D-A37/48R	PANEL ANGLED (SC DPX 6 PORT 37-48) R/H	EA	1
PNL-SC12-D-A49/60R	PANEL ANGLED (SC DPX 6 PORT 49-60) R/H	EA	1
PNL-SC12-D-A61/72R	PANEL ANGLED (SC DPX 6 PORT 61-72) R/H	EA	1
PNL-SC12-D-A73/84R	PANEL ANGLED (SC DPX 6 PORT 73-84) R/H	EA	1
PNL-SC12-D-A85/96R	PANEL ANGLED (SC DPX 6 PORT 85-96) R/H	EA	1

LC DX/SC SX PANEL ANGLED RIGHT - NUMBERED



- Compatible with LC duplex/SC simplex thru adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Angled construction reduces patch lead bend radius



Part No.	Description	Unit	Qty
PNL-SC12-S-A-1/12R	PANEL ANGLED (SC SPX 12 PORT 1-12) R/H	EA	1
PNL-SC12-S-A13/24R	PANEL ANGLED (SC SPX 12 PORT 13-24) R/H	EA	1

LC DX/SC SX PANEL ANGLED LEFT - NUMBERED

PANEL ANGLED (SC SPX 12 PORT 1-12) L/H

Unit: EA Qty: 1



Part No. PNL-SC12-S-A-1/12L

- Compatible with LC duplex/SC simplex thru adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Angled construction reduces patch lead bend radius



SC DX/LC QUAD PANEL ANGLED LEFT - NUMBERED



- Compatible with SC duplex/LC quad thru adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Angled construction reduces patch lead bend radius



Part No.	Description	Unit	Qty
PNL-SC12-D-A1/12L	PANEL ANGLED (SC DPX 6 PORT 1-12) L/H	EA	1
PNL-SC12-D-A13/24L	PANEL ANGLED (SC DPX 6 PORT 13-24) L/H	EA	1
PNL-SC12-D-A25/36L	PANEL ANGLED (SC DPX 6 PORT 25-36) L/H	EA	1
PNL-SC12-D-A37/48L	PANEL ANGLED (SC DPX 6 PORT 37-48) L/H	EA	1
PNL-SC12-D-A49/60L	PANEL ANGLED (SC DPX 6 PORT 49-60) L/H	EA	1
PNL-SC12-D-A61/72L	PANEL ANGLED (SC DPX 6 PORT 61-72) L/H	EA	1
PNL-SC12-D-A73/84L	PANEL ANGLED (SC DPX 6 PORT 73-84) L/H	EA	1
PNL-SC12-D-A85/96L	PANEL ANGLED (SC DPX 6 PORT 85-96) L/H	EA	1

FIBRE ENCLOSURES

ST SIMPLEX PANEL ANGLED LEFT - NUMBERED

PANEL ANGLED (ST SPX 12 PORT 1-12) L/H

Unit: EA Qty: 1



Part No. PNL-ST12-A1/12L

- Compatible with ST simplex adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Angled construction reduces patch lead bend radius

PANEL ANGLED (ST SPX 12 PORT 1-12) R/H

Unit: EA Qty: 1



Part No. PNL-ST12-A1/12R

- Compatible with ST simplex adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Angled construction reduces patch lead bend radius

PANEL ANGLED (ST SPX 12 PORT 13/24) R/H

Unit: EA Qty: 1



Part No. PNL-ST12-A13/24R

- Compatible with ST simplex adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Angled construction reduces patch lead bend radius

THRU ADAPTOR PANELS FLAT

SC DUPLEX/LC QUAD PANEL UN-NUMBERED

PANEL FLAT (SC DPX 6 PORT)

Unit: EA Qty: 1



Part No. PNL-SC12-D-F

- Compatible with SC Duplex adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Flat construction

LC DUPLEX/SC SIMPLEX PANEL UN-NUMBERED

PANEL FLAT (SC SPX 6 PORT)

Unit: EA Qty: 1



Part No. PNL-SC6-S-F

- Compatible with LC duplex/SC simplex thru adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Flat construction

PANEL FLAT (SC SPX 12 PORT)

Unit: EA Qty: 1



Part No. PNL-SC12-S-F

- Made of sturdy steel construction
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Flat construction

SC DUPLEX/LC QUAD PANEL - NUMBERED



- Compatible with SC Duplex thru adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Flat construction



Part No.	Description	Unit	Qty
PNL-SC12-D-F1/12	PANEL FLAT (SC DPX 6 PORT 1-12)	EA	1
PNL-SC12-D-F13/24	PANEL FLAT (SC DPX 6 PORT 13-24)	EA	1

ST SIMPLEX PANEL UN-NUMBERED



- Compatible with ST simplex adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Flat construction



Part No.	Description	Unit	Qty
PNL-ST6-F	PANEL FLAT (ST SPX 6 PORT)	EA	1
PNL-ST12-F	PANEL FLAT (ST SPX 12 PORT)	EA	1

MSF BLANK PANELS

PANEL FLAT (BLANK)

Unit: EA Qty: 1



Part No. PNL-BLK-F

- Blank panel for future expansion
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Flat construction



LC DUPLEX/SC SIMPLEX PANEL - NUMBERED



- Compatible with LC duplex/SC simplex thru adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Flat construction



Part No.	Description	Unit	Qty
PNL-SC12-S-F1/12	PANEL FLAT (SC SPX 12 PORT 1-12)	EA	1
PNL-SC12-S-F13/24	PANEL FLAT (SC SPX 12 PORT 13-24)	EA	1

BELDEN LC DUPLEX

ADAPTOR STRIP FX 6 X LCD SM

Unit: EA Qty: 1



Part No. BEL-AX101731

- Loaded 6 LC Duplex Single mode Adaptors
- Colour: Black
- Dust caps included
- Backbone, Telecommunications and Main Distribution Rooms



PIGTAILS ULTRA FRAME FX 12 X LCD OS2

Unit: EA Qty: 1



Part No. BEL-AX103615

- FibreExpress Ultra Frame with colour coded Pigtails
- 24-fibre
- Single-Mode (OS2), LC-Duplex/UPC



FIBRE ENCLOSURES

BELDEN BLANK

ADAPTOR STRIP FX BLANK PLATE

Unit: EA Qty: 1



Part No. BEL-AX100066

- FiberExpress adaptor strip blank plate
- Colour: Black
- Backbone, Telecommunications and Main Distribution Room
- For use with any Belden FibreExpress patch panel

ST SIMPLEX PANEL - NUMBERED



- Compatible with ST simplex adaptors
- Clipped for modularity into MSS Fibre enclosures and wall boxes
- Flat construction

Part No.	Description	Unit	Qty
PNL-ST12-F1/12	PANEL FLAT (ST SPX 12 PORT 1-12)	EA	1
PNL-ST12-F13/24	PANEL FLAT (ST SPX 12 PORT 13-24)	EA	1

THRU ADAPTORS AND COUPLERS REDUCED FLANGE

FC THRU ADAPTORS



- Flangeless design with metal flat nut for securing into adaptor panel and precision ceramic sleeve for improved reliability - DD style cut-out
- Colour coded to Telcordia and IEC standards
- Includes dust caps

Part No.	Description	Unit	Qty
THRU-FC-DD-SM	FC SINGLEMODE SIMPLEX THRU-ADAPTOR	PAK	6
THRU-FC-DD-MM	FC MULTIMODE SIMPLEX THRU-ADAPTOR	PAK	6

LC DUPLEX THRU ADAPTORS



- Flangeless design with metal clips for securing into adaptor panel and precision ceramic sleeves for improved reliability
- Colour coded to Telcordia and IEC Standards
- Includes dust caps

Part No.	Description	Unit	Qty
THRU-LC-D-SM	LC SINGLEMODE DUPLEX THRU-ADAPTOR	PAK	6
THRU-LC-D-MM	LC MULTIMODE DUPLEX THRU-ADAPTOR	PAK	6
THRU-LC-D-MM3	LC MULTIMODE AQUA DUPLEX THRU-ADAPTOR	PAK	6
THRU-LC-D-MM4	LC MULTIMODE OM4 DUPLEX THRU-ADAPTOR	PAK	6

LC QUAD THRU ADAPTORS



- Flangeless design with metal clips for securing into adaptor panel and precision ceramic sleeves for improved reliability
- Colour coded to Telcordia and IEC Standards
- Includes dust caps

Part No.	Description	Unit	Qty
THRU-LC-QUAD-SM	LC SINGLEMODE QUAD THRU - ADAPTOR	PAK	6
THRU-LC-QUAD-MM	LC MULTIMODE QUAD THRU - ADAPTOR	PAK	6
THRU-LC-QUAD-MM3	LC OM3 QUAD THRU ADAPTOR - AQUA	PAK	6
THRU-LC-QUAD-MM4	LC OM4 QUAD THRU ADAPTOR - ERIKA VIOLET	PAK	6

MTRJ THRU ADAPTORS

MTRJ MULTIMODE THRU-ADAPTOR OM1/OM3/OM4

Unit: PAK Qty: 6



Part No. THRU-MTRJ-MM

- Metal aperture latching clip
- Colour coded to Telcordia and IEC Standards
- Dust caps applied as standard
- Reduced flange

MTRJ MM THRU-ADAPTOR OM1/OM3/OM4 FLANGE

Unit: PAK Qty: 6



Part No. THRU-MTRJ-MM-FL

- Featuring metal clips for securing into adaptor panel and precision ceramic sleeves for improved reliability
- Colour coded to Telcordia and IEC standards
- Includes dust caps

SC SIMPLEX THRU ADAPTORS



- Flangeless design with metal clips for securing into adaptor panel and precision ceramic sleeves for improved reliability
- Colour coded to Telcordia and IEC Standards
- Includes dust caps

Part No.	Description	Unit	Qty
THRU-SC-S-SM	SC SINGLEMODE SIMPLEX THRU-ADAPTOR	PAK	6
THRU-SC-S-MM	SC MULTIMODE SIMPLEX THRU-ADAPTOR	PAK	6
THRU-SC-S-MM3	SC MULTIMODE AQUA SIMPLEX THRU-ADAPTOR	PAK	6

SC DUPLEX THRU ADAPTORS



- Flangeless design with metal clips for securing into adaptor panel and precision ceramic sleeves for improved reliability
- Colour coded to Telcordia and IEC Standards
- Includes dust caps

Part No.	Description	Unit	Qty
THRU-SC-D-SM	SC SINGLEMODE DUPLEX THRU-ADAPTOR	PAK	6
THRU-SC-D-MM	SC MULTIMODE DUPLEX THRU-ADAPTOR	PAK	6
THRU-SC-D-MM3	SC MULTIMODE AQUA DUPLEX THRU-ADAPTOR	PAK	6
THRU-SC-D-MM4	SC MULTIMODE OM4 DUPLEX THRU-ADAPTOR	PAK	6

SCA THRU ADAPTORS

SCA SINGLEMODE SIMPLEX THRU-ADAPTOR

Unit: PAK Qty: 6



Part No. THRU-SCA-S-SM

- Flangeless design with metal clips for securing into adaptor panel and precision ceramic sleeves for improved reliability
- Colour coded to Telcordia and IEC Standards
- Includes dust caps

SCA SINGLEMODE DUPLEX THRU-ADAPTOR

Unit: PAK Qty: 6



Part No. THRU-SCA-D-SM

- Flangeless design with metal clips for securing into adaptor panel and precision ceramic sleeves for improved reliability
- Colour coded to Telcordia and IEC Standards
- Includes dust caps

FIBRE ENCLOSURES

ST SIMPLEX THRU ADAPTORS



- Metal body and precision ceramic sleeves for improved reliability
- Includes dust caps and lock washer
- Colour coded to Telcordia and IEC standards

Part No.	Description	Unit	Qty
THRU-ST-SM	ST SINGLEMODE SIMPLEX THRU-ADAPTOR	PAK	6
THRU-ST-MM	ST MULTIMODE SIMPLEX THRU-ADAPTOR	PAK	6

THRU ADAPTORS AND COUPLERS FLANGED MOUNT

LC DUPLEX THRU ADAPTORS

LC MULTIMODE DUPLEX THRU-ADAPTOR

Unit: PAK Qty: 6



Part No. THRU-LC-D-MM-FL

- Flanged design for securing into adaptor panels and precision ceramic sleeves for improved reliability
- Includes dust caps
- Colour coded to Telcordia and IEC standards

SC SIMPLEX THRU ADAPTORS



- Flanged design for securing into adaptor panels and precision ceramic sleeves for improved reliability
- Includes dust caps
- Colour coded to Telcordia and IEC standards

Part No.	Description	Unit	Qty
THRU-SC-S-SM-FL	SC SINGLEMODE SIMPLEX THRU-ADAPTOR	PAK	6
THRU-SC-S-MM-FL	SC MULTIMODE SIMPLEX THRU-ADAPTOR	PAK	6

SCA SIMPLEX THRU ADAPTORS

SCA SINGLEMODE SIMPLEX THRU-ADAPTOR

Unit: PAK Qty: 6



Part No. THRU-SCA-S-SM-FL

- Flanged design for securing into adaptor panels and precision ceramic sleeves for improved reliability
- Includes dust caps
- Colour coded to Telcordia and IEC standards

SC DUPLEX THRU ADAPTORS



- Flanged design for securing into adaptor panels and precision ceramic sleeves for improved reliability
- Includes dust caps
- Colour coded to Telcordia and IEC standards

Part No.	Description	Unit	Qty
THRU-SC-D-SM-FL	SC SINGLEMODE DUPLEX THRU-ADAPTOR FLANGE	PAK	6
THRU-SC-D-MM-FL	SC MULTIMODE DUPLEX THRU-ADAPTOR	PAK	6

SCA DUPLEX THRU ADAPTORS

SCA SINGLEMODE DUPLEX THRU-ADAPTOR

Unit: PAK Qty: 6



Part No. THRU-SCA-D-SM-FL

- Flanged design for securing into adaptor panels and precision ceramic sleeves for improved reliability
- Includes dust caps
- Colour coded to Telcordia and IEC standards

HYBRID ST-SC DUPLEX THRU ADAPTORS

ST-SC SINGLEMODE DUPLEX THRU-ADAPTOR

Unit: PAK Qty: 6



Part No. THRU-STSC-D-SM

- Hybrid design with flange for securing into adaptor panel and precision ceramic sleeves for improved reliability
- Colour coded to Telcordia and IEC Standards
- Includes dust caps
- Pack Quantity: 6

ST-SC MULTIMODE DUPLEX THRU-ADAPTOR

Unit: PAK Qty: 6



Part No. THRU-STSC-D-MM

- Hybrid design with flange for securing into adaptor panel and precision ceramic sleeves for improved reliability
- Colour coded to Telcordia and IEC Standards
- Includes dust caps
- Pack Quantity: 6

BLANKING PLUGS

BLANKING PLUGS

BLANKING PLUG ST SIMPLEX

Unit: PAK Qty: 12



Part No. PNL-PLUGST

- Lightweight plastic
- Use to plug un-used ports in panels

BLANKING PLUG SC SIMPLEX LC DUPLEX

Unit: PAK Qty: 12



Part No. PNL-PLUGSCS

- Lightweight plastic
- Use to plug un-used ports in panels

BLANKING PLUG SC DUPLEX LC QUAD

Unit: PAK Qty: 12



Part No. PNL-PLUGSCD

- Lightweight plastic
- Use to plug un-used ports in panels

Deployable Reels

These heavy duty light weight deployable reels provide the ideal solution for running fibre optic cable for temporary connections.

The latching door provides a secure area inside the drum, protecting the internal fibre optic connectors.

Reels are easily transportable, come in 3 sizes offering varying cable lengths from 100 metres to 600 metres (see table below) and are manufactured from heavy duty Rubberised Plastic.

MSS Fibre Systems can provide these reels loaded with the fibre cable and connectors of your choice supplied fully tested ready for deployment.



Part No.	Approximate maximum cable length in metres			Weight
	Ø 4.5 mm*	Ø 6 mm*	Ø 7.5 mm*	
MSS-DR310	250 MTR	150 MTR	100 MTR	1.78KG
MSS-DR380	450 MTR	300 MTR	180 MTR	4.35KG
MSS-DR450	600 MTR	400 MTR	220 MTR	5.14KG

* Outside diameter of cable

DEPLOYABLE REELS

DEPLOYABLE REELS



- Heavy-duty lightweight deployable reels
- Latching door protects internal fibre optic connectors
- Manufactured from heavy-duty rubberised plastic

Part No.	Description	Unit	Qty
DR310	DEPLOYABLE REEL - SMALL	EA	1
DR380	DEPLOYABLE REEL - MEDIUM	EA	1
DR450	DEPLOYABLE REEL - LARGE	EA	1

UNDERGROUND DOMES

UNDERGROUND DOMES



- IP68 rated splice enclosure for underground pits
- Includes compact splice tray and pole mount bracket
- Built in fibre management
- Multiple cable entry/exit ports

Part No.	Description	Unit	Qty
UGDOME-12	UNDERGROUND DOME ENCLOSURE - 12 FIBRE	EA	1
UGDOME-24	UNDERGROUND DOME ENCLOSURE - 24 FIBRE	EA	1
UGDOME-48	UNDERGROUND DOME ENCLOSURE - 48 FIBRE	EA	1
UGDOME-72	UNDERGROUND DOME ENCLOSURE - 72 FIBRE	EA	1

Measuring Optical Loss

Link Loss (Attenuation)

Testing for link loss, or attenuation, verifies whether fibre spans meet loss budget requirements.

Attenuation includes intrinsic fibre loss, losses associated with connectors and splices, and bending losses due to cabling and installation. An OTDR (Optical Time Domain Reflector) is used when a comprehensive accounting of these losses is required. The OTDR sends a laser pulse through each fibre; both directions of the fibre are tested at 1310nm and 1550nm wavelengths for singlemode or 850nm and 1300nm for multimode. OTDRs also provide information about fibre uniformity, splice characteristics, and total link distance.

ORL (Optical Return Loss)

ORL is a measure of the total fraction of light reflected by the system. Splices, reflections created at optical connectors, and components can adversely affect the behaviour of laser transmitters, and they all must be kept to a minimum of 24dB or less. You can use either an OTDR or a Loss Test Set (LTS) equipped with an ORL meter for ORL measurements. However, an ORL meter yields more accurate results.

Chromatic Dispersion

Chromatic dispersion testing is performed to verify that measurements meet your dispersion budget.

Chromatic dispersion is the most common form of dispersion found in singlemode fibre. Temporal in nature, chromatic dispersion is related only to the wavelength of the optical signal. For a given fibre type and wavelength, the spectral line width of the transmitter and its bit rate determine the chromatic dispersion tolerance of a system.

Portable chromatic dispersion measurement instruments are essential for testing the chromatic dispersion characteristics of installed fibre.

PMD (Polarisation Mode Dispersion)

PMD has essentially the same effect on the system performance as chromatic dispersion, which causes errors due to the “smearing” of the optical signal. However, PMD has a different origin from chromatic dispersion. PMD occurs when different polarization states propagate through the fibre at slightly different velocities.

The causes are fibre core eccentricity, ellipticity, and stresses introduced during the manufacturing process. PMD is a problem for higher bit rates (10GE and above) and can become a limiting factor when designing optical links.

Fibre Optic Cable Performance

Cable	dB/km	Mhz/km	dB/km	Mhz/km
Multimode	850nm		1300nm	
OM1 (62.5/125um)	3.5	200	1.5	500
OM2 (50/125um)	3.5	500	1.5	500
OM3 (50/125um)	3.5	1500	1.5	500
Singlemode	1310nm		1550nm	
OS1 Maximum	1.0	-	1.0	-

Values as per AS/NZS 3080 (Table 26, Page 49 and Table 27, page 50)

Splice Transmission Performance

Splicing (Fusion)	Maximum Insertion Loss (dB)
Multimode	0.3
Singlemode	0.3

Values as per AS/NZS 3080 (Table 46, Page 63)

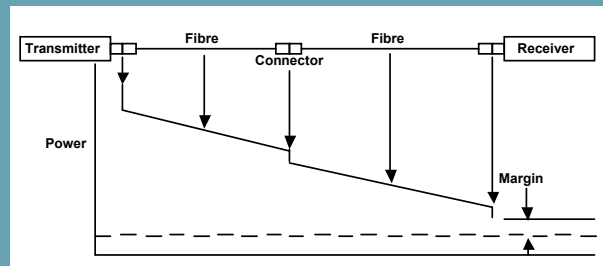
Mated Pair Transmission Performance

Connectors	Multimode	SingleMode
Max Insertion Loss (dB)	0.75	0.75
Minimum Return Loss (dB)	20	35

Values as per AS/NZS 3080 (Table 46, Page 63)

Calculating Optical Loss

To calculate the total optical loss (in dB) in a system, add the cable loss, splice loss, and connector loss. Compare the loss figure obtained with the allowable optical loss budget of the receiver. Be certain to add a safety margin factor of at least 3dB to the entire system. If the peak transmitter power is -10dBm and the receiver sensitivity is -30dBm, the available power budget is 20dB. If the total loss is less than 20dB, the loss does not exceed the available budget and therefore O.K. If the total loss is 14dB, the margin or “head room” is 6dB.



FAULT LOCATORS

VISUAL FAULT LOCATOR

VISIBLE FAULT LOCATOR - SUIT LC 1.25MM

Unit: EA Qty: 1



Part No. VFL-LC

- For use with 1.25mm ferrule connectors - LC and MU
- Test for continuity and find sharp bends and breaks
- Aluminium construction
- 650nm Laser

VISIBLE FAULT LOCATOR - SUIT 2.5MM

Unit: EA Qty: 1



Part No. VFL-HD

- For use with 2.5mm ferrule connectors - FC, SC and ST
- Test for continuity and find sharp bends and breaks
- Aluminium construction
- 650nm Laser

LC ADAPTOR 1.25MM VFL

Unit: EA Qty: 1



Part No. VFL-AD-LC

- Adaptor for use with the VFL-HD to use on connectors with 1.2mm ferrules such as the LC connector
- Converts the VFL-HD from a 2.5mm tip to a 1.25mm tip
- Simply plugs into the tip of the VFL-HD, no tools required

INSPECTION SCOPES

INSPECTION SCOPES

200X MICROSCOPE FOR MULTIMODE ST/SC/FC

Unit: EA Qty: 1



Part No. SCOPE-200X

- LED illumination
- Laser filter installed for eye protection
- Comes with universal adaptor for 2.5mm ferrules

400X MICROSCOPE FOR SINGLEMODE ST/SC/FC

Unit: EA Qty: 1



Part No. SCOPE-400X

- LED illumination
- Laser filter installed for eye protection
- Comes with universal adaptor for 2.5mm ferrules

LC ADAPTOR FOR 200X / 400X MICROSCOPE

Unit: EA Qty: 1



Part No. SCOPE-LC

- Adaptor for 200X/400X microscope
- MTRJ Adaptor also available

FIBRE INSPECTION AND TEST EQUIPMENT

INSPECTION PROBES

INSPECTION PROBES

FIBRE CHECKER PROBE WITH 2.5/1.5 ADAPTOR

Unit: EA Qty: 1



Part No. FC-2005A

- Unit sends a visual red laser through the cables. The fault causes refraction causing a bright glow around the fault area
- Instantly find breaks in single and multi-mode fibres
- Universal connector - ST, SC, FC, FDDA and LC (adaptor supplied)
- Wave length 650nm <10nm spectral width visibility up to 3Km

INSPECTION PROBES - 410B

EXFO INSPECTION PROBE LC APC/UPC TIP KIT

Unit: EA Qty: 1



Part No. FIPT-400-LC-K

- EXFO LC tip kit designed specially for the FIP-400B series Video Inspection Probes
- Kit includes 4 adaptor tips for use with LC and LCA
- Includes LC and LCA tips for thru adaptors
- And Universal 1.25mm LC and LCA tips for patch cords

SC UPC TIP FOR BULKHEAD ADAPTOR

Unit: EA Qty: 1



Part No. FIPT-400-SC-UPC

- SC/FC tip designed for inspecting connector end faces in thru adaptors (bulkheads)
- To be used with the EXFO FIP-400B series Video Inspection Probe
- Not to be used on SCA thru adaptors (bulkheads) or connectors

UNIVERSAL PATCHCORD TIP FOR 2.5MM FERRUL

Unit: EA Qty: 1



Part No. FIPT-400-U25M

- 2.5mm tip designed for inspecting patch cord and pigtail connector end faces: FC, SC and ST
- To be used with the EXFO FIP-400B series Video Inspection Probe
- Not to be used on SCA thru adaptors (bulkheads) or connectors

FIP410/420/430 FCA TIP BULKHEAD Adaptor

Unit: EA Qty: 1



Part No. EXF-FIPT400-FCA

- FCA (FC Angle Polished) Tip for bulkhead adaptor to suit EXFO FIP 400 series Fibre Inspection Scopes
- Compatible with FIP-410B, FIP-420B and FIP-430B models
- Other Tips available: FC, LC, LCA, MU, SCA, SC, ST
- Patch cord tips also available

FIP410/420/430 FC/SC TIP BULKHEAD ADAPTE

Unit: EA Qty: 1



Part No. EXF-FIPT400-FCSC

- FC and SC Tip for bulkhead adaptor to suit EXFO FIP 400 series Fibre Inspection Scopes
- Compatible with FIP-410B, FIP-420B and FIP-430B models
- Other Tips available: FCA, LC, LCA, MU, SCA, SC, ST
- Patch cord tips also available

FIBRE INSPECTION AND TEST EQUIPMENT

FIP410/420/430 LC TIP BULKHEAD Adaptor

Unit: EA Qty: 1



Part No. EXF-FIPT400-LC

- LC Tip for bulkhead adaptor to suit EXFO FIP 400 series Fibre Inspection Scopes
- Compatible with FIP-410B, FIP-420B and FIP-430B models
- Other Tips available: FCA, FC, LCA, MU, SCA, SC, ST
- Patch cord tips also available

FIP410/420/430 LCA TIP BULKHEAD Adaptor

Unit: EA Qty: 1



Part No. EXF-FIPT400-LCA

- LCA (LC Angle Polished) Tip for bulkhead adaptor to suit EXFO FIP 400 series Fibre Inspection Scopes
- Compatible with FIP-410B, FIP-420B and FIP-430B models
- Other Tips available: FCA, FC, LC, MU, SCA, SC, ST
- Patch cord tips also available

FIP410/420/430 SC TIP BULKHEAD Adaptor

Unit: EA Qty: 1



Part No. EXF-FIPT400-SC

- SC Tip for bulkhead adaptor to suit EXFO FIP 400 series Fibre Inspection Scopes
- Compatible with FIP-410B, FIP-420B and FIP-430B models
- Other Tips available: FCA, FC, LC, LCA, MU, SCA, ST
- Patch cord tips also available

FIP410/420/430 SCA TIP BULKHEAD Adaptor

Unit: EA Qty: 1



Part No. EXF-FIPT400-SCA

- SCA (SC Angle Polished) Tip for bulkhead adaptor to suit EXFO FIP 400 series Fibre Inspection Scopes
- Compatible with FIP-410B, FIP-420B and FIP-430B models
- Other Tips available: FCA, FC, LC, LCA, MU, SC, ST
- Patch cord tips also available

FIP410/420/430 ST TIP BULKHEAD Adaptor

Unit: EA Qty: 1



Part No. EXF-FIPT400-ST

- ST Tip for bulkhead adaptor to suit EXFO FIP 400 series Fibre Inspection Scopes
- Compatible with FIP-410B, FIP-420B and FIP-430B models
- Other Tips available: FCA, FC, LC, LCA, MU, SCA, SC
- Patch cord tips also available

FIBRE INSP PROBE 3X MAG FC/SC TIPS

Unit: EA Qty: 1



Part No. EXF-FIP410B-FCSC

- Provides crisp digital images of connector end faces through a 5 Megapixel CMOS sensor and 3 x magnification
- USB interface connects to PC/Laptop via ConnectorMax2 software
- Rubber casing and controls are designed for intense field use
- Designed for handling by both right and left handed operators

FIBRE INSPECTION AND TEST EQUIPMENT

INSPECTION PROBES - 420B

FIBRE INSPECTION PROBE AUTO-CENTRE

Unit: EA Qty: 1



Part No. EXF-FIP420B-FCSC

- Provides crisp digital images of connector end faces through a 5 Megapixel CMOS sensor and 3 x magnification
- Auto-centre and on-board pass/fail analysis
- USB interface connects to PC/Laptop via ConnectorMax2 software

FIBRE INSPECTION PROBE AUTO-CENTRE

Unit: EA Qty: 1



Part No. EXF-FIP420B-SCA

- Provides crisp digital images of connector end faces through a 5 Megapixel CMOS sensor and 3 x magnification
- Auto-centre and on-board pass/fail analysis
- USB interface connects to PC/Laptop via ConnectorMax2 software
- Rubber casing and controls are designed for intense field use

INSPECTION PROBES - 430B

FIBRE INSPECTION PROBE AUTO-CENTRE/FOCUS

Unit: EA Qty: 1



- Provides crisp digital images of connector end faces through a 5 Megapixel CMOS sensor and 3 x magnification
- Auto-centre, auto-focus and on-board pass/fail analysis
- USB interface connects to PC/Laptop via ConnectorMax2 software
- Rubber casing and controls are designed for intense field use

Part No.	Description	Unit	Qty
EXF-FIP430B-FCSC	FIBRE INSPECTION PROBE AUTO-CENTRE/FOCUS	EA	1
EXF-FIP430B-SCA	FIBRE INSPECTION PROBE AUTO-CENTRE/FOCUS	EA	1

LIVE FIBRE DETECTORS

LIVE FIBRE DETECTORS

EXFO LIVE FIBRE TKFF KIT TG-300B TD-300B

Unit: EA Qty: 1



Part No. EXF-TK-FF

- 3-in-1 test tool - live fibre identifier, live fibre detector, dark fibre identifier
- Pinpoints a specific live fibre using EXFO's FiberFinder
- Locates a particular dark fibre using tone recognition
- Compatible with: 3mm, 1.6mm and 900um fibres

FIBRE INSPECTION AND TEST EQUIPMENT KITS

FIBRE TEST KITS

NBN INSTALLERS KIT TEST PON METER VFL

Unit: KIT Qty: 1



Part No. NBNKIT-TESTRFV

- All-in-1 NBN kit for stripping, cleaning and testing NBN Fibre to the Home installations
- Includes PON Power Meter with built-in VFL - tests 1310/1490/1550
- 1-step Autobin Cleaver, strip/cutting tools and cleaning items
- SCA-SCA patch lead for easy connection to the PCD/ONT

LIGHT SOURCE AND POWER METERS

PON POWERMETER - NBN



- FTTx PON Meter for measuring downstream OLT, Video and Upstream BPON ONT
- Calibrated Wavelengths: 1310/1490/1550 nm
- Simultaneous Display of All PON Signals test results

Part No.	Description	Unit	Qty
EXF-PPM352C-SCA	EXFO PON POWER METER 1310/1490/1550	EA	1
EXF-PPM352C-V-SCA	EXFO PON POWER METER 1310/1490/1550 VFL	EA	1

POWERMETER - GE DETECTOR



- Handheld power meter that is both rugged and versatile. When used with the FLS-600 it automatically detects the wavelength
- Wavelengths: 44 pre-calibrated wavelengths from 800nm to 1650nm
- Includes rechargeable lithium ion battery - typical 72hr runtime
- Supplied with Calibration Certificate, AC adaptor and carry case
- EXFO 3 year warranty

Part No.	Description	Unit	Qty
EXF-FPM602-FC	EXFO POWERMETER GE DETECTOR FC/FCA	EA	1
EXF-FPM602-LC	EXFO POWERMETER GE DETECTOR LC	EA	1
EXF-FPM602-SC	EXFO POWERMETER GE DETECTOR SC/SCA	EA	1
EXF-FPM602-ST	EXFO POWERMETER GE DETECTOR ST	EA	1

POWERMETER - GEX DETECTOR



- Handheld power meter that is both rugged and versatile. When used with the FLS-600 it automatically detects the wavelength
- Wavelengths: 45 pre-calibrated wavelengths from 800nm to 1650nm
- Includes rechargeable lithium ion battery - typical 72hr runtime
- Supplied with Calibration Certificate, AC adaptor and carry case

Part No.	Description	Unit	Qty
EXF-FPM602X-FC	EXFO POWERMETER GEX DETECTOR FC/FCA	EA	1
EXF-FPM602X-LC	EXFO POWERMETER GEX DETECTOR LC	EA	1
EXF-FPM602X-SC	EXFO POWERMETER GEX DETECTOR SC/SCA	EA	1
EXF-FPM602X-ST	EXFO POWERMETER GEX DETECTOR ST	EA	1

LIGHT SOURCE MM - WAVELENGTHS 850/1300



- Handheld LED based multimode light source that is both rugged and versatile
- Wavelengths: 850nm +/-25. 1300nm +50/-20
- Includes rechargeable lithium ion battery. Typical 50hrs runtime
- Supplied with calibration certificate, AC adaptor and carry case

Part No.	Description	Unit	Qty
EXF-FLS600-MM-LC	EXFO LIGHTSOURCE MM 850/1300NM LC	EA	1
EXF-FLS600-MM-SC	EXFO LIGHTSOURCE MM 850/1300NM SC	EA	1
EXF-FLS600-MM-ST	EXFO LIGHTSOURCE MM 850/1300NM ST	EA	1

FIBRE INSPECTION AND TEST EQUIPMENT

LIGHT SOURCE SM - WAVELENGTHS 1310/1550



- Handheld laser based single mode light source that is both rugged and versatile
- Wavelengths: 1310nm +/-20. 1550nm +/-20
- Includes rechargeable lithium ion battery. Typical 50hrs runtime
- Supplied with calibration certificate, AC adaptor and carry case

Part No.	Description	Unit	Qty
EXF-FLS600-SM1-LC	EXFO LIGHTSOURCE SM 1310/1550NM LC	EA	1
EXF-FLS600-SM1-LCA	EXFO LIGHTSOURCE SM 1310/1550NM LCA	EA	1
EXF-FLS600-SM1-SC	EXFO LIGHTSOURCE SM 1310/1550NM SC	EA	1
EXF-FLS600-SM1-SCA	EXFO LIGHTSOURCE SM 1310/1550NM SCA	EA	1
EXF-FLS600-SM1-ST	EXFO LIGHTSOURCE SM 1310/1550NM ST	EA	1

LIGHT SOURCE SM - WAVELENGTHS 1310/1550/1625



- Handheld laser based single mode light source that is both rugged and versatile
- Wavelengths: 1310nm +/-20. 1550nm +/-20. 1625 +/-15
- Includes rechargeable lithium ion battery. Typical 50hrs runtime
- Supplied with calibration certificate, AC adaptor and carry case

Part No.	Description	Unit	Qty
EXF-FLS600-SM2-LC	EXFO LIGHTSOURCE SM 1310/1550/1625NM LC	EA	1
EXF-FLS600-SM2-LCA	EXFO LIGHTSOURCE SM 1310/1550/1625NM LCA	EA	1
EXF-FLS600-SM2-SC	EXFO LIGHTSOURCE SM 1310/1550/1625NM SC	EA	1
EXF-FLS600-SM2-SCA	EXFO LIGHTSOURCE SM 1310/1550/1625NM SCA	EA	1
EXF-FLS600-SM2-ST	EXFO LIGHTSOURCE SM 1310/1550/1625NM ST	EA	1

LIGHT SOURCE SM - WAVELENGTHS 1310/1490/1550



- Handheld laser based single mode light source that is both rugged and versatile
- Wavelengths: 1310nm +/-20. 1490 +/-10. 1550nm +/-20
- Includes rechargeable lithium ion battery. Typical 50hrs runtime
- Supplied with calibration certificate, AC adaptor and carry case

Part No.	Description	Unit	Qty
EXF-FLS600-SM3-LC	EXFO LIGHTSOURCE SM 1310/1490/1550NM LC	EA	1
EXF-FLS600-SM3-LCA	EXFO LIGHTSOURCE SM 1310/1490/1550NM LCA	EA	1
EXF-FLS600-SM3-SC	EXFO LIGHTSOURCE SM 1310/1490/1550NM SC	EA	1
EXF-FLS600-SM3-SCA	EXFO LIGHTSOURCE SM 1310/1490/1550NM SCA	EA	1
EXF-FLS600-SM3-ST	EXFO LIGHTSOURCE SM 1310/1490/1550NM ST	EA	1

LIGHT SOURCE - MM/SM



- Handheld quad wavelength laser based single mode/LED based multimode light source that is both rugged and versatile
- Wavelengths: 850 +/-25. 1300nm +/-20. 1310/1550nm +/-20
- Includes rechargeable lithium ion battery. Typical 50hrs runtime
- Supplied with calibration certificate, AC adaptor and carry case

Part No.	Description	Unit	Qty
EXF-FLS600-LCLCA	EXFO LIGHTSOURCE MM/SM 1300/1550NM LCLCA	EA	1
EXF-FLS600-SCSCA	EXFO LIGHTSOURCE MM/SM 1300/1550NM SCSCA	EA	1
EXF-FLS600-STST	EXFO LIGHTSOURCE MM/SM 1300/1550NM STST	EA	1



LOSS TEST SET

FOT930 SM MAXTESTER 1310/1550/1625NM SCA

Unit: EA Qty: 1



Part No. EXF-FOT933-4-SCA

- Hand Held Multifunction Loss Tester for SM bi-directional loss measurement
- Tests wavelengths: 1310, 1550 and 1625nm via SCA port
- Includes InGaAs detector
- Large 320 x 240 pixel colour screen

FIS POWER METER

LIGHT SOURCE & POWER METER KIT MM + SM

Unit: EA Qty: 1



Part No. PMLS-MM-SM

- Hobbes Quad wavelength Laser LS and PM kit; MM: 850/1300nm SM: 1310/1490/1550/1625nm
- Auto-detect wavelength function
- Continuous Wavelength (CW) and 1KHz, 2KHz, 270Hz modulation
- Includes FC, SC and ST adaptors
- Save up to 1000 results

FIS LIGHT SOURCE

LIGHT SOURCE - SINGLEMODE

Unit: EA Qty: 1



Part No. LS-SM

- 1310/1550nm laser light source with FC adaptor
- Fixed adaptor for optimal performance
- Continuous Wave (CW) or 2kHz modulation
- 30 Hour typical battery life

OTDR

OTDR MAX715 KITS

EXFO MAX715B-M3 1310/1550/1625 OTDR KIT

Unit: EA Qty: 1



Part No. EXF-MAX715B-KIT3A

- Triple wavelength SM OTDR loaded with easy to use iOLM software, 7 inch touch screen, 12 hour battery life and W-Fi connectivity
- Compact tablet inspired design makes it ideal for field testing
- Tests SM wavelengths of 1310nm, 1550nm and 1625nm via SCA port
- Includes VFL and Powermeter

TEST SOFTWARE

TEST REPORT

EXFO FAST REPORTER2 SOFTWARE ON DVD

Unit: EA Qty: 1



Part No. EXF-FR2-DVD

- A single software package to manage data and generate reports for all your optical-layer testing
- Perform OTDR bi-directional batch analysis
- Easily identify results that don't meet network requirements
- Supplied on an installation DVD

FIBRE SPLICING EQUIPMENT

INNO View 5 Fusion Splicer

The Inno View 5 core alignment fusion splicer has all the features you expect to find on a market leading fusion splicer. The 5 inch colour touch screen can be flipped allowing the operator to work from in front of or behind the splicer and the intuitive Graphical User Interface makes it easy to operate.

520 x magnification, 7 seconds splice time and 13 seconds heat time make this one of the fastest splicers on the market and the pre-set heat and splice modes add to its ease of use.

The View 5's 4200mAh battery can produce up to 170 splice/heat cycles per charge and the included 12V cigarette lighter cable means it can be recharged from a vehicle.

FEATURES

- Market leading 520 x magnification
- 5 inch colour touch screen
- 7 seconds splice time
- 13 seconds heat time
- Long battery life, 170 splice/heat cycles
- Easy to replace electrodes (no tools required)
- 3500 arc electrode life
- 35 preset splicing modes
- 6 preset heating modes
- 3 bright LED's for dark environments



VIEW 5 PACKAGE KIT INCLUDES

- View 5 Fusion Splicer
- V7A 2 Step Auto Bin Cleaver
- AC Adapter
- Battery Pack
- Power Cable
- Fibre Holder
- Spare Electrodes
- Cooling Tray
- User Manual CD
- Carrying Case



FUSION SPLICERS

FUSION SPLICERS

V-GROOVE SPLICER KIT 250/900UM

Unit: EA Qty: 1



Part No. SPLICER-V-SB

- Compact & easy to use V-groove fusion splicer for SM and MM Fibres. Compatible with both 250um and 900um fibres
- Fast Splice and Oven cycle times. Splice 7 sec. Oven 50 sec
- Includes cleaver and 250um, 900um fibre holders
- 2200mAh re-chargeable LI-Ion Battery

FUSION SPLICERS

FUSION SPLICER KIT VIEW 5 C/W CLEAVER

Unit: EA Qty: 1



Part No. SPLICER-VIEW-5

- Core Alignment splicer with 5500 arc electrode life
- 5 inch colour touch screen with market leading 520X magnification
- 7 seconds splice time, 13 seconds heat time
- Battery life: 170 splice/heat cycles



FUSION SPLICER KIT VIEW 7 C/W CLEAVER

Unit: EA Qty: 1



Part No. SPLICER-VIEW-7

- Core Alignment splicer with 5500 arc electrode life
- 5 inch colour touch screen with market leading 520X magnification
- 7 seconds splice time, 13 seconds heat time
- Long battery life: 355 splice/heat cycles



SPLICE TRAYS AND HOLDERS

SPLICE TRAY HOLDERS

W&B SPLICE CASSETTE WITH LID - 12 FIBRE

Unit: EA Qty: 1



Part No. SPLICE-12-150

- Compact Splice tray for up to 12 fibres per tray. Adjustable loose tube cable clamps at each entry point. Comes with lid
- Built in Bend radius and cable management
- Dimensions: 143mm x 95mm x 14mm
- Splice protectors sold separately

W&B SPLICE CASSETTE WITH LID - 24 FIBRE

Unit: EA Qty: 1



Part No. SPLICE-24-200

- Large Splice tray for up to 24 fibres per tray. Loose tube clamps at each entry point. Comes with lid
- Built in Bend radius and cable management
- Dimensions: 194mm x 116mm x 13mm
- Splice protectors sold separately

SPLICE CASSETTE WITH LID - 24 FIBRE

Unit: EA Qty: 1



Part No. SPLICE-24-200FN

- Stackable Splice tray for up to 24 fibres per tray. Comes with lid
- Built in Bend radius and cable management
- Dimensions: 200mm x 120mm x 24mm
- Splice protectors sold separately

SPLICE CASSETTE WITH LID - 24 FIBRE

Unit: EA Qty: 1



Part No. SPLICE-24-S-TRAY

- Compact Splice tray for up to 24 fibres per tray. Comes with clear lid
- Built in Bend radius and cable management
- Dimensions: 170mm x 125mm x 15mm
- Compatible with 2.8mm Splice protectors sold separately

12 FIBRE 2.6MM SPLICE HOLDER BLUE

Unit: EA Qty: 1



Part No. SPLICE-CONE-BL

- Accepts 12 2.6mm diameter heat shrink protectors
- Compatible with SPLICE-12-150 and SPLICE-24-200 splice trays
- Easy to install clip-in feature
- Securely and neatly holds splices in place

12 FIBRE 2.8MM SPLICE HOLDER ORANGE

Unit: EA Qty: 1



Part No. SPLICE-CONE-OR

- Accepts 12 2.8mm diameter heat shrink protectors
- Compatible with SPLICE-12-150 and SPLICE-24-200 splice trays
- Easy to install clip-in feature
- Securely and neatly holds splices in place

FIBRE SPLICING EQUIPMENT

6 FIBRE 2.6-2.8MM SPLICE HOLDER YELLOW

Unit: EA Qty: 1



Part No. SPLICE-CONE-YL

- Accepts 5x ribbon-fibre, 3x 3M Fibriok mechanical splice or 6x 2.6 to 2.8mm heat shrink protectors
- Compatible with SPLICE-12-150 and SPLICE-24-200 splice trays
- Easy to install clip-in feature
- Securely and neatly holds splices in place

PLASTIC HINGE SUIT W&B SPLICE CASS X1

Unit: PAK Qty: 2



Part No. SPLICE-HINGE

- Plastic hinge to suit W&B Splice Cassettes SPLICE-12-150 and SPLICE-24-200
- Used to stack splice trays
- 1 pack required to join 2 splice trays together

MECHANICAL SPLICE PROTECTORS

MECHANICAL SPLICE PROTECTORS

BUTTERFLY SPLICE PROTECTOR 250/900UM 25P

Unit: EA Qty: 1



Part No. BFLY-BL

- Butterfly protector is an economical alternative to heat shrink featuring a 'clam-shell' design with adhesive on the inside surface
- Requires no power for assembly
- Very easy to use
- Different colours for different jacket sizes

BUTTERFLY SPLICE PROTECTOR - 900/900UM

Unit: EA Qty: 1



Part No. BFLY-GR

- Butterfly protector is an economical alternative to heat shrink featuring a 'clam-shell' design with adhesive on the inside surface
- Requires no power for assembly
- Very easy to use
- Different colours for different jacket sizes

BUTTERFLY SPLICE PROTECTOR - 250/250UM

Unit: EA Qty: 1



Part No. BFLY-YL

- Butterfly protector is an economical alternative to heat shrink featuring a 'clam-shell' design with adhesive on the inside surface
- Requires no power for assembly
- Very easy to use
- Different colours for different jacket sizes

HEAT SHRINK PROTECTORS

HEAT SHRINK PROTECTORS

HEATSHRINK SPLICE PROTECTOR - 40MM THIN

Unit: PAK Qty: 100



Part No. HSSP-40T

- 40mm long heat shrink splice protector - shrinks down to 2.4mm
- Designed to increase tensile and torsion load of the splice
- A stainless steel strength member protects the spliced fibres

FIBRE SPLICING EQUIPMENT

HEATSHRINK SPLICE PROTECTOR - 40MM

Unit: PAK Qty: 100



Part No. HSSP-40

- 40mm long heat shrink splice protector - shrinks down to 2.6mm
- Designed to increase tensile and torsion load of the splice
- A stainless steel strength member protects the spliced fibres



HEATSHRINK SPLICE PROTECTOR - 45MM THIN

Unit: PAK Qty: 100



Part No. HSSP-45T

- 45mm long heat shrink splice protector - shrinks down to 2.4mm
- Designed to increase tensile and torsion load of the splice
- A stainless steel strength member protects the spliced fibres



HEATSHRINK SPLICE PROTECTOR - 45MM

Unit: BOX Qty: 100



Part No. HSSP-45

- 45mm long heat shrink splice protector - shrinks down to 2.6mm
- Designed to increase tensile and torsion load of the splice
- A stainless steel strength member protects the spliced fibres



HEATSHRINK SPLICE PROTECTOR - 60MM

Unit: BAG Qty: 100



Part No. HSSP-60

- 60mm long heat shrink splice protector - shrinks down to 2.6mm
- Designed to increase tensile and torsion load of the splice
- A stainless steel strength member protects the spliced fibres



HEATSHRINK SPLICE PROTECTOR - 60MM FAT

Unit: PAK Qty: 100



Part No. HSSP-60F

- 60mm long heat shrink splice protector - shrinks down to 2.8mm
- Designed to increase tensile and torsion load of the splice
- A stainless steel strength member protects the spliced fibres



FIBRE PIGTAILS AND FANOUT KITS

Pigtails

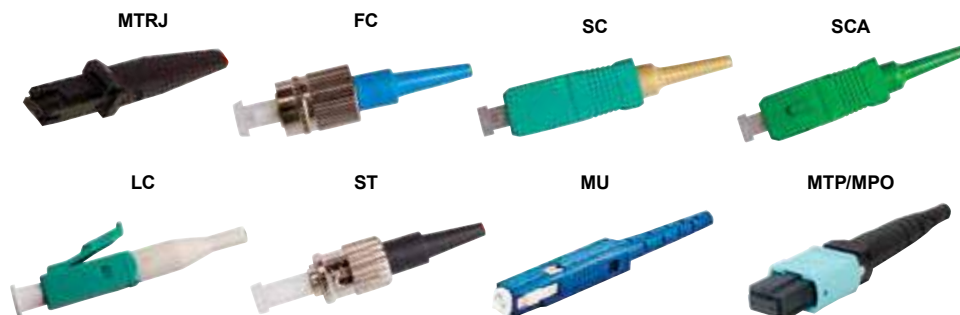
Stocking most connector types (eg FC, LC, SC, SCA, ST) in OM1 (beige), OM3 (Aqua), OM4 (beige) and SM (Blue, Green) in 6 packs and 12 packs.

All pigtails are available in coloured coded packs to easily identify the core number.

Packs of single colours are available for most connector types and modes.

All other configurations can be manufactured to your specific colour, length and connector type with short lead times.

Custom Pigtails Made to Your Requirements



OM1 PIGTAILS

OM1 PIGTAILS COLOUR CODED



- 6 or 12 Pack UPC Connector Pigtails packaged and labelled to provide protection, performance data and traceability
- 900um Low Smoke Zero Halogen (LSZH) tight buffer
- Multimode fibre conforms to TIA/EIA 492AAAA
- Individual fibres coloured as per IEC 60304, TIA-598
- REACH, RoHS and SvHC materials compliant



Part No.	Description	Unit	Qty
PLC2M/900-MMC6	LC OM1 62.5UM PIGTAILS - 900UM 2M C6PK	EA	1
PLC2M/900-MMC12	LC OM1 62.5UM PIGTAILS - 900UM 2M C12PK	EA	1
PSC2M/900-MMC6	SC OM1 62.5UM PIGTAILS - 900UM 2M C6PK	EA	1
PSC2M/900-MMC12	SC OM1 62.5UM PIGTAILS - 900UM 2M C12PK	EA	1
PST2M/900-MMC6	ST OM1 62.5UM PIGTAILS - 900UM 2M C6PK	EA	1
PST2M/900-MMC12	ST OM1 62.5UM PIGTAILS - 900UM 2M C12PK	EA	1

OM1 PIGTAILS SINGLE COLOUR



- 6 Pack UPC Connector Pigtails packaged and labelled to provide protection, performance data and traceability
- 900um Low Smoke Zero Halogen (LSZH) tight buffer
- Multimode fibre conforms to TIA/EIA 492AAAA
- Orange coloured as per TIA-492AAAA
- REACH, RoHS and SvHC materials compliant



Part No.	Description	Unit	Qty
PLC2M/900-MM6	LC OM1 62.5UM PIGTAILS - 900UM 2M 6PK	EA	1
PSC2M/900-MM6	SC OM1 62.5UM PIGTAILS - 900UM 2M 6PK	EA	1
PST2M/900-MM6	ST OM1 62.5UM PIGTAILS - 900UM 2M 6PK	EA	1

OM3 PIGTAILS

OM3 PIGTAILS COLOUR CODED



- 6 or 12 Pack UPC Connector Pigtailes packaged and labelled to provide protection, performance data and traceability
- 900um Low Smoke Zero Halogen (LSZH) tight buffer
- Multimode fibre conforms to ITU-G651-1
- Individual fibres coloured as per IEC 60304, TIA-598
- REACH, RoHS and SvHC materials compliant



Part No.	Description	Unit	Qty
PLC2M/900-MM3-C6	LC OM3 50UM PIGTAILS - 900UM 2M C6PK	EA	1
PLC2M/900-MM3-C12	LC OM3 50UM PIGTAILS - 900UM 2M C12PK	EA	1
PSC2M/900-MM3-C6	SC OM3 50UM PIGTAILS - 900UM 2M C6PK	EA	1
PSC2M/900-MM3-C12	SC OM3 50UM PIGTAILS - 900UM 2M C12PK	EA	1
PST2M/900-MM3-C6	ST OM3 50UM PIGTAILS - 900UM 2M C6PK	EA	1
PST2M/900-MM3-C12	ST OM3 50UM PIGTAILS - 900UM 2M C12PK	EA	1

OM3 PIGTAILS SINGLE COLOUR



- 6 Pack UPC Connector Pigtailes packaged and labelled to provide protection, performance data and traceability
- 900um Low Smoke Zero Halogen (LSZH) tight buffer
- Multimode fibre conforms to ITU-G651-1
- Individual fibres coloured Aqua as per IEC 60304, TIA-598
- REACH, RoHS and SvHC materials compliant



Part No.	Description	Unit	Qty
PLC2M/900-MM3-6	LC OM3 50UM PIGTAILS - 900UM 2M 6PK	EA	1
PSC2M/900-MM3-6	SC OM3 50UM PIGTAILS - 900UM 2M 6PK	EA	1
PST2M/900-MM3-6	ST OM3 50UM PIGTAILS - 900UM 2M 6PK	EA	1

OM4 PIGTAILS

OM4 PIGTAILS SC COLOUR CODED



- 6 or 12 Pack UPC Connector Pigtailes packaged and labelled to provide protection, performance data and traceability
- 900um Low Smoke Zero Halogen (LSZH) tight buffer
- Multimode fibre conforms to ITU-G651-1
- Individual fibres coloured as per IEC 60304, TIA-598
- REACH, RoHS and SvHC materials compliant



Part No.	Description	Unit	Qty
PSC2M/900-MM4-C6	SC OM4 50UM PIGTAILS - 900UM 2M C6PK	EA	1
PSC2M/900-MM4-C12	SC OM4 50UM PIGTAILS - 900UM 2M C12PK	EA	1

OM4 PIGTAILS LC COLOUR CODED



- 6 or 12 Pack UPC Connector Pigtailes packaged and labelled to provide protection, performance data and traceability
- 900um Low Smoke Zero Halogen (LSZH) tight buffer
- Multimode fibre conforms to ITU-G651-1
- Individual fibres coloured as per IEC 60304, TIA-598
- REACH, RoHS and SvHC materials compliant

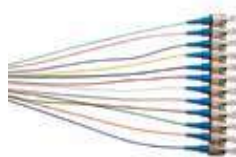


Part No.	Description	Unit	Qty
PLC2M/900-MM4-C6	LC OM4 50UM PIGTAILS - 900UM 2M C6PK	EA	1
PLC2M/900-MM4-C12	LC OM4 50UM PIGTAILS - 900UM 2M C12PK	EA	1

FIBRE PIGTAILS AND FANOUT KITS

OS1 OS2 SM PIGTAILS

OS1 OS2 SM PIGTAILS COLOUR CODED



- 6 or 12 Pack UPC Connector Pigtails packaged and labelled to provide protection, performance data and traceability
- 900um Low Smoke Zero Halogen (LSZH) tight buffer
- OS1/OS2 fibre conforms to ITU-G652.D, TIA/EIA 492 CAAB
- Individual fibres coloured as per IEC 60304, TIA-598
- REACH, RoHS and SvHC materials compliant

MSS fibre systems



Part No.	Description	Unit	Qty
PFC2M/900-SMC12	FC OS1/OS2 SM PIGTAILS - 900UM 2M C12PK	EA	1
PLC2M/900-SMC12	LC OS1/OS2 SM PIGTAILS - 900UM 2M C12PK	EA	1
PSC2M/900-SMC6	SC OS1/OS2 SM PIGTAILS - 900UM 2M C6PK	EA	1
PSC2M/900-SMC12	SC OS1/OS2 SM PIGTAILS - 900UM 2M C12PK	EA	1
PST2M/900-SMC6	ST OS1/OS2 SM PIGTAILS - 900UM 2M C6PK	EA	1
PST2M/900-SMC12	ST OS1/OS2 SM PIGTAILS - 900UM 2M C12PK	EA	1

OS1 OS2 PIGTAILS SINGLE COLOUR



- 6 Pack UPC Connector Pigtails packaged and labelled to provide protection, performance data and traceability
- 900um Low Smoke Zero Halogen (LSZH) tight buffer
- OS1/OS2 fibre conforms to ITU-G652.D, TIA/EIA 492 CAAB
- Yellow coloured as per TIA-492CAAB
- REACH, RoHS and SvHC materials compliant

MSS fibre systems



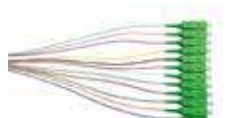
Part No.	Description	Unit	Qty
PFC2M/900-SM6	FC OS1/OS2 SM PIGTAILS - 900UM 2M 6PK	EA	1
PLC2M/900-SM6	LC OS1/OS2 SM PIGTAILS - 900UM 2M 6PK	EA	1
PSC2M/900-SM6	SC OS1/OS2 SM PIGTAILS - 900UM 2M 6PK	EA	1
PST2M/900-SM6	ST OS1/OS2 SM PIGTAILS - 900UM 2M 6PK	EA	1

MSF APC COLOUR CODED

SCA OS1/OS2 SM PIGTAILS - 900UM 2M C12PK

Unit: EA Qty: 1

MSS fibre systems



Part No. PSCA2M/900-SMC12

- 12 Pack APC Connector Pigtails packaged and labelled to provide protection, performance data and traceability
- 900um Low Smoke Zero Halogen (LSZH) tight buffer
- OS1/OS2 fibre conforms to ITU-G652.D, TIA/EIA 492 CAAB
- Individual fibres coloured as per IEC 60304, TIA-598
- REACH, RoHS and SvHC materials compliant

MSF APC SINGLE COLOUR

SCA OS1/OS2 SM PIGTAILS - 900UM 2M 6PK

Unit: EA Qty: 1

MSS fibre systems



Part No. PSCA2M/900-SM6

- 6 Pack UPC Connector Pigtails packaged and labelled to provide protection, performance data and traceability
- 900um Low Smoke Zero Halogen (LSZH) tight buffer
- OS1/OS2 fibre conforms to ITU-G652.D, TIA/EIA 492 CAAB
- Individual fibres coloured Yellow as per IEC 60304, TIA-598
- REACH, RoHS and SvHC materials compliant

FANOUT KITS

CORNING FANOUT KITS



- Eliminates strain on fibres by isolating them from tensile forces
- Colored fan-out tubing. Length 0.6m, 1.2m
- Snap-together furcation unit eliminates epoxy for indoor kits
- Compact design

Part No.	Description	Unit	Qty
FANOUT-6	CORNING FANOUT KIT - 6 FIBRE (25IN)	EA	1
FANOUT-12	CORNING FANOUT KIT - 12 FIBRE (25IN)	EA	1
FANOUT-12-47	CORNING FANOUT KIT - 12 FIBRE (47IN)	EA	1

FIBRE CONNECTORS AND ATTENUATORS

Pre-Polished FibreCAT Connectors

The MSS FibreCAT is the ideal solution for field termination of fibre optic cable. The FibreCAT is a pre-polished connector therefore no polishing is required eliminating a difficult and time consuming process.

The connectors are available in SC, LC and ST styles in OM1, OM3 and OS1, can be terminated within one minute and offer reliable optical performance.



Features and Benefits

- **NO FIBRE EXPERIENCE:** Pre-polished so no epoxy or polishing required
- **FAST & EASY:** Can be terminated within one minute
- **PERFORMANCE:** Reliable and superior optical performance
- **DURABILITY:** Termination process can be repeated 3-4 times
- **QUALITY:** Complies with IEC, EIA/TIA and Telecordia standards

PRE POLISHED CONNECTORS

MSF FIBRECAT OM1 CONNECTORS



- MSS FibreCAT pre-polished connector, ideal solution for field termination onto 250/900µm fibre
- No previous fibre experience necessary
- Approx. 1 minute to terminate
- Termination process can be repeated 3-4 times without effect



Part No.	Description	Unit	Qty
CON-LC-FCAT-MM1	LC CONNECTOR MULTIMODE OM1 FIBRECAT	PAK	6
CON-SC-FCAT-MM1	SC CONNECTOR MULTIMODE OM1 FIBRECAT	PAK	6
CON-ST-FCAT-MM1	ST CONNECTOR MULTIMODE OM1 FIBRECAT	PAK	6

MSF FIBRECAT OM3 CONNECTORS



- MSS FibreCAT pre-polished connector, ideal solution for field termination onto 250/900µm fibre
- No previous fibre experience necessary
- Approx. 1 minute to terminate
- Termination process can be repeated 3-4 times without effect



Part No.	Description	Unit	Qty
CON-LC-FCAT-MM3	LC CONNECTOR MULTIMODE OM3 FIBRECAT	PAK	6
CON-SC-FCAT-MM3	SC CONNECTOR MULTIMODE OM3 FIBRECAT	PAK	6
CON-ST-FCAT-MM3	ST CONNECTOR MULTIMODE OM3 FIBRECAT	PAK	6

FIBRE CONNECTORS AND ATTENUATORS

MSF FIBRECAT SM CONNECTORS



- MSS FibreCAT pre-polished connector, ideal solution for field termination onto 250/900µm fibre
- No previous fibre experience necessary
- Approx. 1 minute to terminate
- Termination process can be repeated 3-4 times without effect

Part No.	Description	Unit	Qty
CON-LC-FCAT-SM	LC CONNECTOR SINGLEMODE FIBRECAT	PAK	6
CON-SC-FCAT-SM	SC CONNECTOR SINGLEMODE FIBRECAT	PAK	6
CON-ST-FCAT-SM	ST CONNECTOR SINGLEMODE FIBRECAT	PAK	6

MSF FIBRECAT SM ANGLED CONNECTORS



SCA CONNECTOR SINGLEMODE FIBRECAT

Unit: PAK Qty: 6



Part No. CON-SCA-FCAT-SM

- MSS FibreCAT pre-polished connector, ideal solution for field termination
- Individual pack
- Pre-polished connector, no epoxy or polishing
- Approx. 1 minute to terminate

BELDEN BRILLIANCE OM3 CONNECTORS



- Faster termination - as few as 5 seconds
- Integrated VFL improves termination yield
- Reduce training and tooling expense
- 900um boot included

Part No.	Description	Unit	Qty
BEL-AX105202-S1	FIBRE BRILLIANCE CONNECTOR OM3/OM4 LC	EA	1
BEL-AX105207-S1	FIBRE BRILLIANCE CONNECTOR OM3/OM4 SC	EA	1
BEL-AX105212-S1	FIBRE BRILLIANCE CONNECTOR OM3/OM4 ST	EA	1

BELDEN BRILLIANCE SM CONNECTORS



- Faster termination - as few as 5 seconds
- Integrated VFL improves termination yield
- Reduce training and tooling expense
- 900um boot included

Part No.	Description	Unit	Qty
BEL-AX105203-S1	FIBRE BRILLIANCE CONNECTOR SM OS2 LC	EA	1
BEL-AX105208-S1	FIBRE BRILLIANCE CONNECTOR SM OS2 SC	EA	1
BEL-AX105209-S1	FIBRE BRILLIANCE CONNECTOR SM APC OS2 SC	EA	1
BEL-AX105213-S1	FIBRE BRILLIANCE CONNECTOR SM OS2 ST	EA	1

FIBRE CONNECTORS AND ATTENUATORS

EPOXY POLISH CONNECTORS

EPOXY POLISH CONNECTORS SM



- Epoxy connectors are low cost, reliable and ideal for use in the factory/lab environment
- Crimped connector for retaining strength
- Low cost, durable and reliable

Part No.	Description	Unit	Qty
CON-FC-EP-SM	FC CONNECTOR SIMPLEX SINGLEMODE EPOXY	PAK	6
CON-LC-D-EP-SM	LC CONNECTOR DUPLEX SINGLEMODE EPOXY	PAK	6
CON-SC-EP-SM	SC CONNECTOR SIMPLEX SINGLEMODE EPOXY	PAK	6
CON-ST-EP-SM	ST CONNECTOR SIMPLEX SINGLEMODE EPOXY	PAK	6

EPOXY POLISH CONNECTORS MM



- Epoxy connectors are low cost, reliable and ideal for use in the factory/lab environment
- Crimped connector for retaining strength

Part No.	Description	Unit	Qty
CON-SC-EP-MM1	SC CONNECTOR SIMPLEX MULTIMODE EPOXY	PAK	6
CON-ST-EP-MM1	ST CONNECTOR SIMPLEX MULTIMODE EPOXY	PAK	6
CON-LC-D-EP-MM1	LC CONNECTOR DUPLEX MULTIMODE EPOXY	PAK	6
CON-FC-EP-MM	FC CONNECTOR SIMPLEX MULTIMODE EPOXY	PAK	6
CON-MTRJ-EP-MM	MTRJ CONNECTOR MULTIMODE EPOXY	PAK	6

EPOXY POLISH CONNECTORS SM ANGLE

SCA CONNECTOR SIMPLEX SINGLEMODE EPOXY

Unit: PAK Qty: 6



Part No. CON-SCA-EP-SM

- Epoxy connectors are low cost, reliable and ideal for use in the factory/lab environment
- Crimped connector for retaining strength
- Low cost, durable and reliable



ADHESIVE POLISH CONNECTORS

ADHESIVE POLISH CONNECTORS SM



- Supplied pre-loaded with advanced adhesive. No mixing reducing time and mess
- Used in both indoor and outdoor applications
- Meets TIA 568B.3 requirements
- Hi-performance adhesive and precision-centred ferrule polishing

Part No.	Description	Unit	Qty
CON-SC-HM-SM	SC CONNECTOR SIMPLEX SINGLEMODE HOTMELT	PAK	6
CON-ST-HM-SM	ST CONNECTOR SIMPLEX SINGLEMODE HOTMELT	PAK	6

ADHESIVE POLISH CONNECTORS MM



- Supplied pre-loaded with advanced adhesive. No mixing reducing time and mess
- Used in both indoor and outdoor applications
- Meets TIA 568B.3 requirements
- Hi-performance adhesive and precision-centred ferrule polishing

Part No.	Description	Unit	Qty
CON-SC-HM-MM	SC CONNECTOR SIMPLEX MULTIMODE HOTMELT	PAK	6
CON-ST-HM-MM	ST CONNECTOR SIMPLEX MULTIMODE HOTMELT	PAK	6

PLASTIC FIBRE CONNECTORS



- Compatible with Avago Versatile Link family of connectors and fibre optic components with snap-in action
- Made of a flame retardant VALOX UL94 V-0 material
- Colour-coded
- RoHS-Compliant

Part No.	Description	Unit	Qty
CON-HFBR4501Z	PLASTIC FIBRE CONNECTOR	PAK	6
CON-HFBR4503	PLASTIC FIBRE CONNECTOR - WITH LATCH	PAK	6
CON-HFBR4505Z	PLASTIC FIBRE FEEDTHRU ADAPTOR	PAK	6
CON-HFBR4506Z	PLASTIC FIBRE CONNECTOR	PAK	6
CON-HFBR4511Z	PLASTIC FIBRE CONNECTOR	PAK	6
CON-HFBR4513	PLASTIC FIBRE CONNECTOR - WITH LATCH	PAK	6
CON-HFBR4515Z	PLASTIC FIBRE FEEDTHRU ADAPTOR	PAK	6
CON-HFBR4531Z	PLASTIC FIBRE CONNECTOR	PAK	6

FIBRE CONNECTORS AND ATTENUATORS

ATTENUATORS SINGLE MODE

ATTENUATORS SM LC



- Optical attenuator reduces the power level of an optical signal
- High quality ferrules ensure reliable performance
- Bi-directional, build-out style for easy use
- Environmentally stable and reliable

Part No.	Description	Unit	Qty
ATT-LC-SM-2	LC SINGLEMODE M-F ATTENUATOR - 2DB	EA	1
ATT-LC-SM-5	LC SINGLEMODE M-F ATTENUATOR - 5DB	EA	1
ATT-LC-SM-8	LC SINGLEMODE M-F ATTENUATOR - 8DB	EA	1
ATT-LC-SM-10	LC SINGLEMODE M-F ATTENUATOR - 10DB	EA	1
ATT-LC-SM-15	LC SINGLEMODE M-F ATTENUATOR - 15DB	EA	1

ATTENUATORS SM SC



- Optical attenuator reduces the power level of an optical signal
- High quality ferrules ensure reliable performance
- Bi-directional, build-out style for easy use
- Environmentally stable and reliable

Part No.	Description	Unit	Qty
ATT-SC-SM-2	SC SINGLEMODE M-F ATTENUATOR - 2DB	EA	1
ATT-SC-SM-5	SC SINGLEMODE M-F ATTENUATOR - 5DB	EA	1
ATT-SC-SM-10	SC SINGLEMODE M-F ATTENUATOR - 10DB	EA	1
ATT-SC-SM-15	SC SINGLEMODE M-F ATTENUATOR - 15DB	EA	1

ATTENUATORS SINGLE MODE ANGLE POLISH

ATTENUATORS SM ANGLE POLISH SCA



- Optical attenuator reduces the power level of an optical signal
- High quality ferrules ensure reliable performance
- Bi-directional, build-out style for easy use
- Environmentally stable and reliable

Part No.	Description	Unit	Qty
ATT-SCA-SM-5	SCA SINGLEMODE M-F ATTENUATOR - 5DB	EA	1
ATT-SCA-SM-10	SCA SINGLEMODE M-F ATTENUATOR - 10DB	EA	1
ATT-SCA-SM-15	SCA SINGLEMODE M-F ATTENUATOR - 15DB	EA	1

CONNECTOR BOOTS

BOOTS BELDEN BRILLIANCE

JACKETED BOOT 2MM

Unit: EA Qty: 1



Part No. BEL-AX105214-B25

- Belden boot to suit Brilliance Fibre connector
- Used when terminating onto 2mm jacketed fibre
- Convenient 25 pack



JACKETED BOOT 3MM PK25

Unit: EA Qty: 1



Part No. BEL-AX105215-B25

- Belden boot to suit Brilliance Fibre connector
- Used when terminating onto 3mm jacketed fibre
- Convenient 25 pack



CONNECTOR CLIPS

CONNECTOR CLIPS

SC CONNECTOR DUPLEX CLIP - PLASTIC

Unit: EA Qty: 1



Part No. CON-SC-CLIP

- Clips SC Connectors to duplex configuration
- Made from PVC
- Lightweight durable construction



CONNECTOR DUST CAPS

CONNECTOR DUST CAPS

ST AND SC CONNECTOR DUST CAP

Unit: PAK Qty: 100



Part No. DCAP-ST/SC

- Dust cap for use with 2.5mm ferrule connectors, such as FC, SC/SCA and ST
- Protects connectors from dust/contaminants when not in use
- For use on patch leads or pigtails



Fibre Tools - Cutting and Stripping

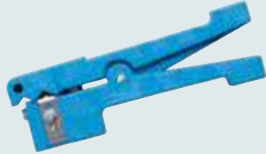

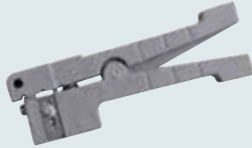



Stripping and preparing fibre for termination is made easy with the right tools, from jacket removal to stripping the fibre core, we have all the tools you will need to prepare your fibre for a quality termination.

It all starts with removing the outer jacket(s) and depending on the cable type, tight buffered or loose tube, the tools differ for each.

The next element to remove is the aramid yarn or Kevlar using Kevlar scissors. Loose tube will also have a central strength member to remove, this can be cut away with side cutters.

Care needs to be taken when it comes to stripping the fibre core as tight buffered riser cables have 2 layers that need removing, a 900µm coloured buffer layer and the 250µm coating.

Loose tube cable is missing the 900µm buffer featured on riser cables, instead the 250µm coating is coloured and is removed in the same way as the 250µm coating on riser cables.

CABLE ELEMENT	CABLE TYPE	
	TIGHT BUFFERED	LOOSE TUBE
Jacket	Peg Style Stripper Part No. TSTRIP-45163 and TSTRIP-45164	G Stripper Part No. TSTRIP-280024
		
Gel Filled Tubes	N/A	Peg Style Stripper Part No. TSTRIP-45162
		
Strength Member	Kevlar Scissors Part No. KSCIS	Kevlar Scissors and Side Cutters Part No. KSCIS & HVSC150B
		
Core	Fibre Strippers Part No. TSTRIP-250/900/3MM	
		

Tight Buffered Cables

(eg Indoor/Outdoor riser cables)

The outer jacket of a tight buffered riser cable is similar to Cat5e/6/6A cable and can be removed using the same tools. An adjustable cable stripper is ideal.

The aramid yarn or Kevlar strength members are cut away with Kevlar scissors.

Once exposed, the individual cores of fibre are stripped back using a pair of fibre strippers. Tight buffered fibre that is 900µm requires 2 layers to be stripped off, the 900µm coloured buffer and the 250µm coating. Some fibre strippers are suitable only for 250µm loose tube cable. Selecting a stripper such as our Tri hole strippers that can be used for both 900µm tight buffered and 250µm loose tube, allows you to have 1 tool for both cable types.

Our Tri hole stripper can be used on both 900µm tight buffered cable and 250µm loose tube cable.

Loose Tube Cables

The outer jacket and sheath of a loose tube cable is much harder than a tight buffered riser cable but can be easily removed with our “G Stripper” tool. This adjustable tool is suitable for loose tube cables of various diameters and can be used to “ring bark” the jacket or split the jacket longitudinally.

“Peg style” strippers are used to remove the gel filled tubes and break out the cores of fibre.

The central strength member is removed with a pair of side cutters and any Kevlar or aramid yarn is cut away with Kevlar scissors

Once exposed the individual cores of fibre are stripped back using a pair of fibre strippers. Loose tube cable is typically 250µm and has only 1 layer to be stripped off. Some fibre stripping tools are only suitable for stripping the 250µm coating and can't be used with a 900µm tight buffered fibre.

CLEAVERS

CLEAVERS

D1 PRECISION 1-STEP CLEAVER W/ AUTO BIN

Unit: EA Qty: 1



Part No. CLEAVER-D1

- Fully automated cleaver with universal holder
- Compatible with 250um, 900um, 3mm and flat cable
- 1 step operation for maximum efficiency
- Automatic collector for fibre off cuts

V7 2 STEP PRECISION CLEAVER C/W AUTOBIN

Unit: EA Qty: 1



Part No. CLEAVER-V7A

- Compatible with 250um, 900um, 3mm and flat cables
- Optional ribbon holder upgrades unit to NBN ready
- Automatic collector for fibre off cuts
- Durable blade lifespan over 48,000 cleaves

STRIPPING AND CUTTING

STRIPPING TOOLS - LOOSE TUBE JACKET

LOOSE TUBE CABLE G STRIPPER

Unit: EA Qty: 1



Part No. TSTRIP-280024

- Easy to use adjustable tool for stripping the jacket of loose tube cables
- Cutting depth can be adjusted to suit cable diameter
- Suitable for use with most loose tube cables
- Must have for all tool kits

STRIPPING TOOLS - TUBE CUTTERS

TUBE CUTTER UP 3.2MM OD TUBE

Unit: EA Qty: 1



Part No. TSTRIP-45162

- Small easy to use tool for stripping tubes from Loose Tube cables
- Cuts tubes up to 3.2mm (1/8 inch) O.D.
- Adjustable blades for easy operation

TUBE CUTTER 3.2 - 5.56MM OD TUBE

Unit: EA Qty: 1



Part No. TSTRIP-45163

- Small easy to use tool for stripping tubes from Loose Tube cables
- Cuts tubes from 3.2mm (1/8 inch) up to 5.56mm (7/32 inch) O.D.
- Adjustable blades for easy operation

TUBE CUTTER 6.35 - 14.29MM OD

Unit: EA Qty: 1



Part No. TSTRIP-45164

- Small easy to use tool for stripping tubes from Loose Tube cables
- Cuts tubes from 6.35mm (1/4 inch) up to 14.296mm (9/16 inch) O.D.
- Adjustable blades for easy operation

FIBRE TOOLS AND CLEANING

KEVLAR CUTTERS

INDUSTRIAL SCISSORS FOR KEVLAR

Unit: EA Qty: 1



Part No. KSCIS

- Designed to cut Kevlar when preparing fibre termination
- High quality serrated steel construction
- Ergonomic plastic handles
- Ultra hard jaw for long life

KEVLAR CUTTERS

MILLER KEVLAR CUTTER

Unit: EA Qty: 1



Part No. TKEVCUT

- Long lasting, easy to use Kevlar cutters. Unlike standard scissors/cutters these are designed for cutting Kevlar
- Ergonomic grip sits comfortably in your hand
- Can be locked closed when not in use
- Must have for all tool kits

STRIPPING TOOLS - CORE STRIPPERS

MICRO FIBRE STRIPPER

Unit: EA Qty: 1



Part No. KUS9

- Easy to use ergonomic stripper for Tight Buffered and Loose Tube cables
- Strips the 250um coating from Loose Tube, Riser and pigtails
- Strip range 0.18 to 0.3mm

STRIPPING TOOLS - CORE STRIPPER

FIBRE STRIPPER TRI HOLE 250 900 AND 3MM

Unit: EA Qty: 1



Part No. 45FC250

- Multi-function ergonomic stripper for Tight Buffered and Loose Tube cables
- Strips the 250um coating from Loose Tube, Riser and pigtails
- Strips the 900um buffer from Riser cables and pigtails
- Strips the outer jacket of 2mm and 3mm patch cords

STRIPPING TOOLS - CORE STRIPPERS

NONIK FIBRE STRIPPER - RED

Unit: EA Qty: 1



Part No. TNONIK-200

- Easy to use ergonomic fibre stripping tool for 200um coated fibres
- Strips the 200um coating from Loose Tube cables
- Suitable only for use on 200um coated fibres

MILLER STRIPPER - 250

Unit: EA Qty: 1



Part No. TSTRIP-250

- Multi-function ergonomic stripper for Tight Buffered and Loose Tube cables
- Strips the 250um coating from Loose Tube, Riser and pigtails
- Strips the outer jacket of 2mm and 3mm patch cords
- Adjustable strip depth

MILLER STRIPPER - 250 & 900UM

Unit: EA Qty: 1



Part No. TSTRIP-250/900

- Multi-function ergonomic stripper for Tight Buffered and Loose Tube cables
- Strips the 250um coating from Loose Tube, Riser and pigtails
- Adjustable strip depth
- Must have for all tool kits

CLAUSS CFS-2 STRIPPER

Unit: EA Qty: 1



Part No. TSTRIP-CFS2

- Easy to use fibre stripping tool, used to prepare fibre for termination/splicing
- Ergonomic grip sits comfortably in your hand
- Suitable for use on 250um fibre
- Must have for all tool kits

FIS STRIPPING TOOLS - CORE STRIPPERS

JACKET STRIPPER - TRI-HOLE

Unit: EA Qty: 1



Part No. TSTRIP-250/900/3MM

- Multi-function ergonomic stripper for Tight Buffered and Loose Tube cables
- Strips the 250um coating from Loose Tube, Riser and pigtails
- Strips the 900um buffer from Riser cables and pigtails
- Strips the outer jacket of 2mm and 3mm patch cords

SCRIBES

SCRIBES

FIBRE SCRIBE - WEDGE TIP

Unit: EA Qty: 1



Part No. TSCRIBE-WEDGE

- Easy to use pen style scribe for use with fibre
- Professional grade tool
- Wedge tip

FIBRE SCRIBES

FIBRE SCRIBER

Unit: EA Qty: 1



Part No. 45SCRIBER

- Quality carbide scribe offering a wide cutting surface
- Housed in a metal pen style enclosure

FIBRE TOOLS AND CLEANING

TERMINATION KITS

CONNECTOR TERMINATION TOOLS AND KITS

EPOXY SYRINGE 3ML BLUNT TIP

Unit: KIT Qty: 1



Part No. 45EA3ML

- Syringe for injecting epoxy into fibre connectors
- 3ml syringe
- Blunt tip

EPOXY 2 PART HEAT CURE

Unit: EA Qty: 1



Part No. EPOXY-2PART

- 2 part Epoxy - 2 grams enough for approximately 25-35 connectors
- Heat cure for 5 minutes at 100 Deg C
- Epoxy becomes reddish brown once cured

NBN INSTALLERS KIT TOOLS

Unit: KIT Qty: 1



Part No. NBNKIT-TOOLS

- All-in-1 NBN kit for stripping, cleaning and testing NBN Fibre to the Home installations
- Stripping/cutting tools and cleaning items
- 1-Step fully automatic precision cleaver with universal holder
- Supplied with a heavy-duty water and dustproof case

FIBRE OPTIC CONNECTOR INSTALLERS KIT

Unit: KIT Qty: 1



Part No. FIBREKIT4

- Contains all tools required for fibre optic termination
- Includes fibre scribe and two syringes
- Fibre stripper, isopropyl alcohol cleaning liquid
- Rubber working pad

COMPLETE EPOXY CONNECTOR TERMINATION KIT

Unit: EA Qty: 1



Part No. TERMKIT-EPOXY

- All in 1 kit includes various tools required to terminate epoxy fibre connectors
- Includes Kevlar scissors, stripper, syringe and more
- Supplied in a carry pouch to keep all items together

BELDEN TERMINATION KITS

BRILLIANCE PRECISION TERMINATION KIT

Unit: EA Qty: 1



Part No. BEL-AX104271

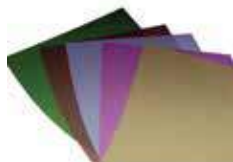
- Faster termination - as few as 5 seconds
- Integrated VFL improves termination yield
- Reduce training and tooling expense
- Full kit includes precision cleaver and visual fault indicator

POLISHING TOOLS

LAPPING FILM DISC

2UM 1 STEP LAPPING FILM - 3M 85932

Unit: PAK Qty: 6



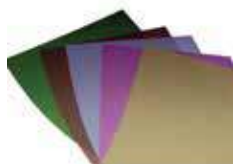
Part No. FILM-2-ROUND

- Use for a fine, consistent, precision finish. Micron-graded premium minerals and resin-bonded for reliable, repeatable performance
- 2um round discs - Pack of 6

LAPPING FILM SHEET

0.05UM LAPPING FILM 6 X 6 INCH YELLOW

Unit: PAK Qty: 6



Part No. FILM-0.05

- Quality material for accurate polishing
- Size: 6x6 inch
- Hand polish film - 0.05um grit
- Aluminium Oxide
- Colour: Yellow

LAPPING FILM SHEET 23 X 17CM

- Quality material for accurate polishing

- Size: 23x17cm
- Hand polish film - 0.3um grit
- Aluminium Oxide



Part No.	Description	Unit	Qty
FILM-0.3	0.3UM LAPPING FILM 23 X 17CM WHITE	PAK	6
FILM-1	1UM LAPPING FILM 23 X 17CM LIGHT GREEN	PAK	6
FILM-3	3UM LAPPING FILM 23 X 17CM PINK	PAK	6
FILM-5	5UM LAPPING FILM 23 X 17CM BLACK	PAK	6
FILM-9	9UM LAPPING FILM 23 X 17CM BLUE	PAK	6
FILM-12	12UM LAPPING FILM 23 X 17CM DARK YELLOW	PAK	6

FIBRE TOOLS AND CLEANING

POLISHING PUKS AND JIGS

POLISHING PUK - LC - DUPLEX

Unit: EA Qty: 1



Part No. TPUK-LC

- Polishing puk pad for use with polishing films when terminating fibre connectors
- Compatible with LC connectors

POLISHING PUK - SC

Unit: EA Qty: 1



Part No. TPUK-SC

- Polishing puk pad for use with polishing films when terminating fibre connectors
- Compatible with SC connectors

POLISHING PUK - ST

Unit: EA Qty: 1



Part No. TPUK-ST

- Polishing puk pad for use with polishing films when terminating fibre connectors
- Compatible with ST connectors

POLISHING TOOLS OTHER

PLASTIC CONNECTOR POLISHING KIT

Unit: EA Qty: 1



Part No. CON-HFBR4593Z

- Polishing Kit for the Avago Versatile Link family of connectors
- Includes 1x polishing fixture and 2x 600 grit abrasive paper
- 2x 3um pink lapping film
- RoHS-Compliant

RUBBER POLISHING PAD

Unit: EA Qty: 1



Part No. TPAD-SQ

- Square polishing pad for use with polishing films when terminating fibre connectors
- Quickly and easily polish fibre ready for termination
- square shaped mat

CLEANING CONSUMABLES

CLEANING KITS

CLEANING KIT CASSETTE REEL LFWIPES

Unit: EA Qty: 1



Part No. CLEANKIT1

- Includes all the standard components needed to clean fibre connectors prior to installation
- Supplied with a good quality material zip bag
- Cassette cleaner, replacement reel, 10x pre-saturated wipes
- 100x 2.5mm swabs, 50x 1.25mm swabs, lint free wipes

CLEANING KIT FOR CONTRACTORS

Unit: EA Qty: 1



Part No. CLEANKIT-CONT

- Includes all the standard components needed to clean fibre connectors prior to installation with contractors in mind
- Supplied with a good quality material zip bag
- Cassette cleaner, replacement reel, 10x pre-saturated wipes
- 1Click Cleaner for 1.25mm LC and MU connectors
- 100x 2.5mm swabs, 50x 1.25mm swabs, lint free wipes

CLEANING KIT FOR TELCO

Unit: EA Qty: 1



Part No. CLEANKIT-TELCO

- Includes all the standard components needed to clean fibre connectors prior to installation with Telco's in mind
- Supplied with a good quality material zip bag
- Cassette cleaner, replacement reel, 10x pre-saturated wipes
- 1Click Cleaner for 2.5mm FC, SC, SCA and ST connectors
- 100x 2.5mm swabs, 50x 1.25mm swabs, lint free wipes

CLEANING CONSUMABLES

ISOPROPYL ALCOHOL - BOTTLE

Unit: EA Qty: 1



Part No. ALCOHOL-1

- Isopropyl alcohol 99.8 per cent pure for cleaning of fibre optics
- Available in bottle, spray pump or 6oz dispenser

ISOPROPYL ALCOHOL SPRAY PUMP BTL 125ML

Unit: EA Qty: 1



Part No. ALCOHOL-125

- Isopropyl alcohol 99.8 per cent pure for cleaning of fibre optics
- Available in bottle, spray pump or 6oz dispenser

ISOPROPYL ALCOHOL DISPENSER - 6OZ

Unit: EA Qty: 1



Part No. ALCOHOL-6OZ

- 6oz automatic poly dispensing bottle
- Lightweight durable plastic
- Stainless Steel push pump

FIBRE TOOLS AND CLEANING

PRESSURISED CANNED AIR

Unit: EA Qty: 1



Part No. CANAIR

- Removes particles from inaccessible areas, ideal for cleaning sensitive equipment including fibre connectors
- Supplied with extension nozzle
- NOTE: Cannot be Air Freighted

ONE CLICK CLEANER SUIT LC MU

Unit: EA Qty: 1



Part No. CLEANER-1CLICK1.25

- Easy-to-use solution for cleaning connectors in adaptors. A must-have for field technicians - fits in a pocket
- Push until an audible click is heard
- Cleans both A/PC and U/PC connectors, suits ST, SC, FC
- Precise mechanical action delivers consistent cleaning results
- 800 Cleans per cleaner

ONE CLICK CLEANER SUIT ST SC FC

Unit: EA Qty: 1



Part No. CLEANER-1CLICK-2.5

- Easy-to-use solution for cleaning connectors in adaptors. A must-have for field technicians - fits in a pocket
- Push until an audible click is heard
- Cleans both A/PC and U/PC connectors, suits LC, MU
- Precise mechanical action delivers consistent cleaning results
- 800 Cleans per cleaner

UNIVERSAL CONNECTOR CLEANER - 20FT

Unit: EA Qty: 1



Part No. CLEANER-C

- Dry woven film (6.5m) with protection lid
- Cleans ferrule ends and connector bulkheads
- Removes dust, oil, grime and moisture
- Dissipates static charges from connector end faces

UNIVERSAL CONNECTOR CLEANER REEL - 6 MTR

Unit: EA Qty: 1



Part No. CLEANER-R

- Replacement reel to suit Fibre Optic Connector Economy Cleaner (Part No. CLEANER-C)
- White tape
- Length: 6.5m

CLEANING KIT REPLACEMENT REEL

Unit: EA Qty: 1



Part No. CLEANKIT1-RREEL

- 500 wipe replacement reel to suit cleaning cassette in CLEANKIT1
- White tape

CLETOP TYPE A CASSETTE (SC ST FC SMA)

Unit: EA Qty: 1



Part No. CLETOP-A

- Designed to consistently achieve high quality cleaning without alcohol or other solvents
- One cleaning tape can be used for over 400 wipes
- Cleaning tape is replaceable and cost effective
- Excellent anti-static properties to avoid reattachment of dust

CLETOP CASSETTE TYPE B LC MTRJ MU MPO

Unit: EA Qty: 1



Part No. CLETOP-B

- Designed to consistently achieve high quality cleaning without alcohol or other solvents
- One cleaning tape can be used for over 400 wipes
- Cleaning tape is replaceable and cost effective
- Excellent anti-static properties to avoid reattachment of dust

CLETOP REPLACEMENT REEL FOR TYPE A & B

Unit: EA Qty: 1



Part No. CLETOP-REEL

- 400 wipe replacement reel to suit cleaning cassette Part No. CLETOP-A/CLETOP-B
- White tape

ISOPROPYL WIPES TUB OF 100

Unit: EA Qty: 1



Part No. ISOWIPE

- Commercial grade cleaner, impregnated with 70 per cent Isopropyl Alcohol
- Convenient for travel
- With a compact, easy to use dispenser

LINT FREE KIMWIPES - BOX OF 280

Unit: EA Qty: 1



Part No. LFWIPES

- Optical grade lint free wipes
- Far stronger than traditional wipes, for better cleaning
- No glues, bleach or cellulose to degrade end faces
- Highly cost effective

FIBRE SHARPS CONTAINER

Unit: EA Qty: 1



Part No. SHARPS2

- Fibre sharps storage container. Ideal for the tool kit, van and workshop
- Small compact size makes it portable (11cm x 4.8cm)
- Clearly labelled as a sharps container for safety

CLEANING STICK PACK OF 5 (1.25 FERRULES)

Unit: EA Qty: 1



Part No. STICK-1.25

- Disposable cleaning stick for connector end faces
- For use with 1.25mm ferrules
- Ideal for cleaning LC and MU connectors
- Pack of 5

CLEANING STICK PACK OF 5 (2.5 FERRULES)

Unit: EA Qty: 1



Part No. STICK-2.50

- Disposable cleaning stick for connector end faces
- For use with 2.5mm ferrules
- Ideal for cleaning FC, FCA, SC, SCA and ST connectors
- Pack of 5

FIBRE TOOLS AND CLEANING

SYRINGE AND NEEDLE

Unit: EA Qty: 1



Part No. SYRINGE

- Easy to use syringe for injecting epoxy into fibre connectors
- Includes both syringe and needle

CONNECTOR TERMINATION TOOLS

TUBING 3MM



- Zero/Zero fibre designed to terminate to a wide range of connector styles
- Simplex 3.0mm
- Accommodates 250um bare or 900um tight buffered fibres
- Inner tube surrounded by aramid fibres and made from PVC jacket

Part No.	Description	Unit	Qty
FIBRE-3MM-AQ	3MM ZERO TUBING WITH KEVLAR - AQUA	M	1
FIBRE-3MM-BK	3MM ZERO TUBING WITH KEVLAR - BLACK	M	1
FIBRE-3MM-BL	3MM ZERO TUBING WITH KEVLAR - BLUE	M	1
FIBRE-3MM-BR	3MM ZERO TUBING WITH KEVLAR - BROWN	M	1
FIBRE-3MM-GN	3MM ZERO TUBING WITH KEVLAR - GREEN	M	1
FIBRE-3MM-OR	3MM ZERO TUBING WITH KEVLAR - ORANGE	M	1
FIBRE-3MM-RD	3MM ZERO TUBING WITH KEVLAR - RED	M	1
FIBRE-3MM-RO	3MM ZERO TUBING WITH KEVLAR - ROSE	M	1
FIBRE-3MM-SL	3MM ZERO TUBING WITH KEVLAR - SLATE	M	1
FIBRE-3MM-VT	3MM ZERO TUBING WITH KEVLAR - VIOLET	M	1
FIBRE-3MM-WH	3MM ZERO TUBING WITH KEVLAR - WHITE	M	1
FIBRE-3MM-YL	3MM ZERO TUBING WITH KEVLAR - YELLOW	M	1

TUBING 2MM



- Over-sleeving/Zero fibre designed to terminate to a wide range of connector styles
- Simplex 2.0mm.
- Accommodates 250um bare or 900um tight buffered fibres
- Inner tube surrounded by aramid fibres and made from PVC jacket

Part No.	Description	Unit	Qty
FIBRE-2MM-AQ	2MM ZERO TUBING WITH KEVLAR - AQUA	M	1
FIBRE-2MM-BK	2MM ZERO TUBING WITH KEVLAR - BLACK	M	1
FIBRE-2MM-OR	2MM ZERO TUBING WITH KEVLAR - ORANGE	M	1
FIBRE-2MM-YL	2MM ZERO TUBING WITH KEVLAR - YELLOW	M	1

CRIMP TOOLS

FIBRE CRIMPER SUITS FOX CONNECTION

Unit: EA Qty: 1



Part No. 45CRTL

- Crimps standard epoxy based ST/SC/SMA connectors
- Hardened precision die

Data

19 Inch Server Racks	D563	PC and Notebook Tool Kits	D608
Swing Frame Server Racks	D563	LAN Tools and Testing Equipment	D610
Wall Mount Racks	D563	Butt Testers	D611
Wall Brackets and Frames	D564	Tone Generators	D611
Blank and Vent Panels	D564	Wi Fi Testers	D611
Shelves, Drawers and Doors	D566	RJ Connectors	D612
Cable Management	D568	Telephone Sockets, Adaptors, leads and ADSL splitter	D614
Power Rails	D569	F Style Connectors	D620
Fan Modules	D570	BNC Connectors	D620
Rack Accessories	D570	PAL Connectors	D621
UPS Standalone	D573	Telco - Voice Disconnect Modules and Frames	D624
UPS Accessories	D573	Cat5e Patch Leads	D627
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PAL Cables	D580	Surface Mounts	D644
VGA Cables	D581	Line Splitters	D644
Adaptors - Serial, USB, Video and TV	D581	Patch Panels	D645
DVI Cables and Adaptors	D583		
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Features of Floor Mounted Racks



Perforated Double Rear Doors

Perforated doors allow for greater air circulation and the bi-fold design opens with less clearance than a one piece door.



Perforated Front Door

Available as an optional extra. The perforations are machine punched onto the cold rolled steel door.



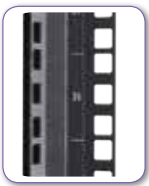
Sturdy Frame

The cabinet is designed for loads of up to 800kg mounted on the 19" rails. It is good practice to mount heavier items low down in the cabinet and lighter items higher up.



Side Panels

Removable side panels with keyed cam locks for easy access and installation of components. All racks come with one piece side panels, except the 42RU which has two panels per side.



RU Markings

Are placed on both sides to ensure easy positioning of components.



Castors

Heavy duty castors capable of carrying up to 1000kg combined.



Pallet Stabilising Bracket

The cabinet is supplied with brackets attaching it to a pallet. The same brackets can be used to prevent tipping.



NB: Accessories shown inside the rack are for display purposes only.



Ventilation

Fan modules are included and help to maintain internal rack temperature by dispersing heat. Fan cutouts allow for additional fan modules to be added.



Generous Cable Access

Cable gland plates at top, front and rear of the cabinet.



Front Door

Solid steel frame front door, featuring tempered glass and quick release hinges so the door can be opened to the left or right. The glass front door provides a clear view of installed components.



Cable Management

New accessories are available for cable management. Ample space is provided between the front door and the 19" rails for mounting cable management accessories.



Increased Shelf Depth

Fixed shelves are designed to extend the maximum possible depth inside the rack.



Earthing

All installed doors have an earthing connection.

Mounting Feet

The mounting feet can be accessed from inside the cabinet with a star screw driver and can carry a combined load of up to 1000kg.

RACKS, SWINGFRAMES AND WALLMOUNTS

19 INCH SERVER RACKS

19 INCH RACKS



- Fully assembled IP20 rated rack made from 1.5mm SPCC high quality cold rolled steel with a powder coat finish
- Standard inclusions:
- Power Rail, Fan Module, Fixed Shelves, Cage Nuts
- Designed and built to ANSI-310-D, IEC 297-2, DIN 41491/41494 standard



Part No.	Description	Unit	Qty
CABR18RU6	RACK R19 18RU 600W 600D 1018H MM	EA	1
CABR24RU6	RACK R19 24RU 600W 600D 1278H MM	EA	1
CABR24RU9	RACK R19 24RU 600W 900D 1278H MM	EA	1
CABR24RU1	RACK R19 24RU 600W 1000D 1278H MM	EA	1
CABR33RU6	RACK R19 33RU 600W 600D 1658H MM	EA	1
CABR33RU8	RACK R19 33RU 600W 800D 1658H MM	EA	1
CABR33RU1	RACK R19 33RU 600W 1000D 1658H MM	EA	1
CABR42RU6	RACK R19 42RU 600W 600D 2078H MM	EA	1
CABR42RU8	RACK R19 42RU 600W 800D 2078H MM	EA	1
CABR42RU9	RACK R19 42RU 600W 900D 2078H MM	EA	1
CABR42RU1	RACK R19 42RU 600W 1000D 2078H MM	EA	1
CABR42RU1W8	RACK R19 42RU 800W 1000D 2078H MM	EA	1

SWING FRAME SERVER RACKS

SWING FRAME ENCLOSURES



- Fully assembled IP20 rated rack made from 1.5mm SPCC high quality cold roll steel with a powder coat finish
- Standard inclusions: Power Rail, L-bracket shelves, cage nuts
- Designed and built to ANSI-310-D, IEC 297-2, DIN 41491/41494 standard



Part No.	Description	Unit	Qty
CABRSF6RU	RACK SWING FRAME 6RU 600W 600D 368H MM	EA	1
CABRSF9RU	RACK SWING FRAME 9RU 600W 600D 501H MM	EA	1
CABRSF12RU	RACK SWING FRAME 12RU 600W 600D 635H MM	EA	1
CABRSF18RU	RACK SWING FRAME 18RU 600W 600D 901H MM	EA	1

WALL MOUNT RACKS

WALL MOUNT ENCLOSURES



- Fully assembled IP20 rated rack made from 1.5mm SPCC high quality cold roll steel with a powder coat finish
- Standard inclusions:
- Power Rail, L-brackets, Shelves and Cage Nuts
- Designed and built to ANSI-310-D, IEC 297-2, DIN 41491/41494 standard



Part No.	Description	Unit	Qty
CABRWM6RU-4	RACK WALL MOUNT 6RU 600W 400D 368H MM	EA	1
CABRWM6RU	RACK WALL MOUNT 6RU 600W 600D 368H MM	EA	1
CABRWM9RU	RACK WALL MOUNT 9RU 600W 600D 501H MM	EA	1
CABRWM12RU-4	RACK WALL MOUNT 12RU 600W 450D 635H MM	EA	1
CABRWM12RU	RACK WALL MOUNT 12RU 600W 600D 635H MM	EA	1
CABRWM18RU	RACK WALL MOUNT 18RU 600W 600D 901H MM	EA	1

RACKS, SWINGFRAMES AND WALLMOUNTS

WALL BRACKETS AND FRAMES

WALL BRACKETS



- Easy installation frames for small network applications
- Ideal for use where space is limited
- Extendable to Max 345.7mm (Min 245mm)

Part No.	Description	Unit	Qty
HWBKT-1UA	BRACKET WALL MOUNT EXTENDABLE 1RU	EA	1
HWBKT-2UA	BRACKET WALL MOUNT EXTENDABLE 2RU	EA	1
HWBKT-4UA	BRACKET WALL MOUNT EXTENDABLE 4RU	EA	1
HWBKT-8UA	BRACKET WALL MOUNT EXTENDABLE 8RU	EA	1

BLANK AND VENT PANELS

BLANK PANELS



- Useful for blanking unused sections in server racks
- Suitable for use with 19 inch server racks
- Available in 1RU and 2RU high
- Colour: Black



Part No.	Description	Unit	Qty
CABRBP1RU-BK	PANEL BLANK RM R19 1RU BLACK	EA	1
CABRBP2RU-BK	PANEL BLANK RM R19 2RU BLACK	EA	1

VENT PANELS



- Useful for blanking unused sections in server racks - allows ventilation
- Suitable for use with 19 inch server racks
- Available in 1RU and 2RU high
- Colour: Black



Part No.	Description	Unit	Qty
CABRVP1RU-BK	PANEL VENT RM R19 1RU BLACK	EA	1
CABRVP2RU-BK	PANEL VENT RM R19 2RU BLACK	EA	1

RACKS, SWINGFRAMES AND WALLMOUNTS

Shelves

The CABAC range of shelving accessories for our 19" Rack Enclosures are designed to offer solutions for most requirements and cover many shelf types for floor mounted cabinets of various depths. Some items are suitable for wall mount & swing frame racks.



NO	PART No.	DESCRIPTION	SUITS RACK DEPTH	DEPTH	WIDTH	RU SPACE	MOUNTING	WEIGHT KG	MAX LOAD KG
CANTILEVER SHELVES									
1	CABRCS300	Cantilever Shelf 19" RM 300mm Black	All	300	485	2	RU Rail	2.5	30
	CABRCS400	Cantilever Shelf 19" RM 400mm Black	600 to 1000	400	485	2	RU Rail	3.2	30
FIXED TRAYS									
2	CABRFT350	Fixed Tray 19" Rack 600D 350mm	600	350	495	0	Side rail	2.6	60
	CABRFT550	Fixed Tray 19" Rack 800D 550mm	800	550	495	0	Side rail	4.0	60
	CABRFT650	Fixed Tray 19" Rack 900D 650mm	900	650	495	0	Side rail	4.8	60
	CABRFT750	Fixed Tray 19" Rack 1000D 750mm	1000	750	495	0	Side rail	5.4	60
SLIDING SHELVES									
3	CABRSS350	Sliding Shelf 19" Rack 600D 350mm	600	350	482	1	RU Rail	4	30
	CABRSS550	Sliding Shelf 19" Rack 800D 550mm	800	550	482	1	RU Rail	6	30
	CABRSS650	Sliding Shelf 19" Rack 900D 650mm	900	650	482	1	RU Rail	6.5	30
	CABRSS750	Sliding Shelf 19" Rack 1000D 750mm	1000	750	482	1	RU Rail	7	30
L BRACKET SHELVES									
4	CABRLB300	L Bracket Shelf WME (set of 2)	450	300	46.5	0	Side rail	0.3	20
	CABRLB350	L Bracket Shelf Rack (set of 2)	600	350	46.5	0	Side rail	0.4	20
	CABRLB550	L Bracket Shelf Rack (set of 2)	800	550	46.5	0	Side rail	0.6	20
	CABRLB650	L Bracket Shelf Rack (set of 2)	900	650	46.5	0	Side rail	0.8	20
	CABRLB750	L Bracket Shelf Rack (set of 2)	1000	750	46.5	0	Side rail	1.2	20
LOCKABLE STORAGE DRAW									
5	CABRMLDRAW350	RM Lockable Storage Draw 19" 350mm	600 to 1000	350	485/480	2	RU Rail	6.5	30
KEY BOARD AND MOUSE DRAW									
6	CABR19KMD600	Key Board and Mouse Draw 5.22	600 to 1000	600	485	1	RU Rail	5.4	20/5

RACKS, SWINGFRAMES AND WALLMOUNTS

SHELVES, DRAWERS AND DOORS

L BRACKETS



- Specially designed for equipment mounting in server racks
- Supplied in a pair
- Max load 20kg
- Colour: Black



Part No.	Description	Unit	Qty
CABRLB300	SHELF L BRACKET WME D450MM BLACK	EA	1
CABRLB350	SHELF L BRACKET R19 D600MM BLACK	EA	1
CABRLB550	SHELF L BRACKET R19 D800MM BLACK	EA	1
CABRLB650	SHELF L BRACKET R19 D900MM BLACK	EA	1
CABRLB750	SHELF L BRACKET R19 D1000MM BLACK	EA	1

CANTILEVER SHELVES



- Cantilever shelf for 19 inch server rack
- Mount on the front rails only
- Space Required: 2RU
- Colour: Black



Part No.	Description	Unit	Qty
CABRCS300	SHELF CANTILEVER RM R19 D300MM BLACK	EA	1
CABRCS400	SHELF CANTILEVER RM R19 D400MM BLACK	EA	1

FIXED TRAYS



- Fixed tray ideal for heavy equipment
- Suitable for use with 19 inch server racks
- Max load 60kg
- Colour: Black



Part No.	Description	Unit	Qty
CABRFT350	TRAY FIXED 350MM FOR R19 D600MM	EA	1
CABRFT550	TRAY FIXED 550MM FOR R19 D800MM	EA	1
CABRFT650	TRAY FIXED 650MM FOR R19 D900MM	EA	1
CABRFT750	TRAY FIXED 750MM FOR R19 D1000MM	EA	1

SLIDING SHELVES



- Ideal for keyboards and printers
- Mount on both front and rear rails
- Max load 30kg



Part No.	Description	Unit	Qty
CABRSS350	SHELF SLIDING 350MM FOR R19 D600MM	EA	1
CABRSS550	SHELF SLIDING 550MM FOR R19 D800MM	EA	1
CABRSS650	SHELF SLIDING 650MM FOR R19 D900MM	EA	1
CABRSS750	SHELF SLIDING 750MM FOR R19 D1000MM	EA	1

RACKS, SWINGFRAMES AND WALLMOUNTS

DRAWERS

STORAGE DRAWER LOCKABLE RM R19 D350MM

Unit: EA Qty: 1



Part No. CABRMLDRAW350

- Strong and secure lockable drawer for use with 19 inch racks
- Rack must be 600mm deep or more
- Weight: 6.5kg Max Load: 30kg
- Painted black to colour match cabinets
- Not compatible with 450mm deep racks

KEYBOARD & MOUSE DRAWER SUIT 600MM

Unit: EA Qty: 1



Part No. CABR19KMD600

- Drawer designed for keyboard and mouse in 19 inch racks
- Fits 600 to 1000mm deep cabinets
- Colour: Black

PERFORATED RACK DOORS



- For use when more ventilation is required
- Greatly increase airflow for good heat dispersion
- Door is punched cold rolled steel

Part No.	Description	Unit	Qty
CABRPF18	FRONT DOOR PERFORATED R19 18RU	EA	1
CABRPF24	FRONT DOOR PERFORATED R19 24RU	EA	1
CABRPF33	FRONT DOOR PERFORATED R19 33RU	EA	1
CABRPF42	FRONT DOOR PERFORATED R19 42RU	EA	1
CABRPF42W8	FRONT DOOR PERFORATED R19 42RU 800MM	EA	1

BASE PLATES



- For applications where a base plate is required in server racks
- Optional extra item for covering bottom of cabinets
- Not for use with Wall mount, Swing Frame cabinets
- Colour: Black

Part No.	Description	Unit	Qty
CABRBP600	BASE PLATE R19 DEPTH 600MM	EA	1
CABRBP800	BASE PLATE R19 DEPTH 800MM	EA	1
CABRBP900	BASE PLATE R19 DEPTH 900MM	EA	1
CABRBP1000	BASE PLATE R19 DEPTH 1000MM	EA	1

RACKS, SWINGFRAMES AND WALLMOUNTS

CABLE MANAGEMENT

CABLE MANAGEMENT

PANEL CABLE MANAGEMENT R19 1RU BLACK

Unit: EA Qty: 1



Part No. PCM

- Patch cord minder for 19 rack mount
- For horizontal cable management 1RU
- Includes five jumper rings
- Colour: Black

PANEL CABLE MANAGEMENT VERT W/BKT 755MM

Unit: EA Qty: 1



Part No. PCMV755

- Patch cord minder - clip type
- For vertical cable management
- Length: 755mm
- Colour: Black

PATCH CORD MINDERS



- Patch cord minder for 19 inch rack mount
- For horizontal cable management
- Slotted duct design (17 slots)
- Colour: Black

Part No.	Description	Unit	Qty
PCM1RUDUCT	PATCH CORD MINDER RM R19 1RU 17 SLOT	EA	1
PCM2RUDUCT	PATCH CORD MINDER RM R19 2RU 17 SLOT	EA	1

POWER RAILS

POWER RAILS

POWER RAIL HORIZONTAL 6 WAY 10AMP

Unit: EA Qty: 1



Part No. PDU10A6

- Six Australian power socket outlets
- Recessed sockets for power plugs with high plastic moulding
- 1 RU high unit and 19 inch mounting
- 10A circuit breaker

POWER RAIL HORIZONTAL 10 WAY 10AMP

Unit: EA Qty: 1



Part No. PR10H

- Horizontal rail is recessed - plugs fit on normal rail mounting
- Professional power rail
- 10 way power outlet
- 10Amp overload protected

POWER RAIL VERTICAL 10 WAY 10AMP

Unit: EA Qty: 1



Part No. PR10V

- Professional power rail
- Vertical fitting
- 10 way power outlet
- 10Amp overload protected

POWER RAIL VERTICAL 20 WAY 10AMP

Unit: EA Qty: 1



Part No. PR20V

- Professional power rail
- Vertical fitting
- 20 way power outlet
- 10Amp overload protected

BRACKET POWER DISTRIBUTION UNIT BLACK

Unit: EA Qty: 1



Part No. RPDUB

- Brackets for mounting vertical components in server racks
- Used with vertical PDUs and cable management brackets
- Supplied with screws and cage nuts
- Painted black to match cabinets and equipment

RACKS, SWINGFRAMES AND WALLMOUNTS

FAN MODULES

FAN MODULES

CABAC DOUBLE FAN MODULE INC 2X FANS

Unit: EA Qty: 1



Part No. CABRFM

- For Use with all Cabac 19 inch racks to improve ventilation and help to maintain temperature
- 2 fans per module
- Weight: 2.9kg

FAN CONVERSION PLATE USE WITH RSNCFAN120

Unit: EA Qty: 1



Part No. CABRMCFP

- Rack mount bracket (only for Part No. RSNCFAN120 fan)
- Takes two single fans
- Painted black to blend with cabinet
- RSNCFAN120 sold separately

GENERIC FAN MODULES

SINGLE FAN 120MM - FOR RACK FAN MODULE

Unit: EA Qty: 1



Part No. RSNCFAN120

- Single fan unit for spare or replacement
- Used in server rack cabinets
- Reliable and long lasting air circulation in racks

RACK ACCESSORIES

RACK ACCESSORIES

CASTORS FOR R19 RACK 4PK

Unit: EA Qty: 1



Part No. CABR19CASTORS

- Spare or replacement castors for floor mount cabinets
- Helps to relocate cabinets
- Can be locked in place
- Set of 4

LEVELING FEET FOR FLOOR MOUNT RACK 4PK

Unit: EA Qty: 1



Part No. CABR19LEVELFT

- Spare or replacement level feet for floor mount racks
- Helps to level cabinet on uneven surfaces
- Strong and sturdy support
- Set of 4

RACK BAYING KIT

Unit: EA Qty: 1



Part No. CABRBK

- Kit to hold cabinet together in bay
- Easy screw and nut arrangement
- Set of 2

RACKS, SWINGFRAMES AND WALLMOUNTS

BRACKET PALLET/TIPPING SPARE

Unit: EA Qty: 1



Part No. CABRPB

- Spare bracket to prevent cabinet from tipping
- Can be mounted on pallet
- Can be mounted to stop cabinet from tipping
- Colour: Black

LOCK ROUND SIDE PANEL W/ 2X KEYS

Unit: EA Qty: 1



Part No. CABRRL

- Optional extra cabinet side door cam lock
- Easy mounting on door
- One common key - less key management
- Supplied with two keys

CAGENUT M6 BLACK 40PK

Unit: KIT Qty: 1



Part No. CAGENUT-40

- M6 cage nut and screws for mounting panels and equipment in 19 inch racks
- Pack of 40
- Colour: Black

DOMESTIC POWER

UPS Technical & Rack Mountable UPS What does a UPS do?

CABAC UPS's serve three functions.

- **Standby Power** - A UPS acts as a stand by power unit which keeps equipment running for a short period, allowing work to be saved and the equipment to be switched off systematically. This switch off process can be automated using the RS232 port and software supplied with the unit.
- **Power Conditioning** - A line interactive UPS conditions the power, using AVR (Automatic Voltage Regulation) circuitry and spike protection, which supplies clean power all the time, extending equipment life. This regulates the input voltage from 165 to 275V, out-putting 240V. Outside of this range, the backup battery kicks in.
- **Telephone/Fax/Modem Protection** - The UPS has two RJ12 ports for telephone line in, and line out. This protects the telephone line against lightning surges.

UPS Sizing

It is important not to exceed a UPS's rated VA.

If too much equipment is connected, the UPS will not be able to supply the connected load, and will fail.

To size your requirements, determine the VA for all connected equipment.

1. Read the name plate of each unit and look for:
VA consumption; A or Amps; Watts
2. Convert all in (1) above to VA
 - Multiply Amps or A by 240, so typically a laptop power unit will be $0.6A \times 240 = 144VA$
 - For Watts - use a power factor correction of 0.7, so divide the Watts figure by 0.7 (or multiply by 1.4) to get the correct VA. For example, a monitor will have a 100W load. The nominal VA will be $100 \times 1.4 = 140VA$
3. Add up the total VA that you have worked out above, for all units that you want to connect, and allow a bit for expansion, (typically the router or modem you have forgotten about), and this will give the answer. Buy a UPS with a VA rating above what you have worked out as a UPS will not supply more than its rating.

Equipment you should NOT connect to a UPS

Highly inductive loads can damage a UPS, so CABAC does not recommend connecting anything with motors in them, in particular laser printers. Laser printers have a further problem that they have fairly high peak loads when warming up. More examples of inductive equipment are - transformers, fans, pencil sharpeners, vacuum cleaners, drills etc.

Caution

Do not connect power boards to your UPS and leave them lying in the open. This is a perfect invite for someone to plug in the vacuum cleaner!

Typical VA loads

Listed below are nominal VA loadings of typical day to day office and computer equipment. These will act as a guide, please use them with care

- **Desktop Computer**
 - Small 300VA
 - Medium 500VA
- **Laptop Computer** 75 to 300VA
- **Fax** 100VA
- **Modem, Router** 25VA
- **Switch**
 - Desktop 5/8 Port 25VA
 - Rackmount 100VA
- **Monitor**
 - Flat Screen 17" 200VA

Note: The VA values noted above are estimates and measuring or calculating each item will give a more accurate estimate.

It is good practice to add at least 30% more capacity for safety. A UPS cannot supply more than its rating.



UPS STANDALONE

UPS STANDALONE



- Designed to supply back up power to home PC or small office environment
- Cold start function
- Short circuit and overload protection
- 600VA rated

Part No.	Description	Unit	Qty
UPS600DV3	CABAC UPS STANDALONE 600VA	EA	1
UPS1000DV3	CABAC UPS STANDALONE 1000VA	EA	1
UPS1500DV3	CABAC UPS STANDALONE 1500VA	EA	1

UPS ACCESSORIES

UPS BATTERIES

CABAC UPS BATTERY 12V 7AH FOR V3

Unit: EA Qty: 1



Part No. UPSBATT7AHDV3

- Replacement battery for UPS Part No. UPS600DV3
- Sealed Lead Acid battery 12V 7AH
- Maintenance free

CABAC UPS BATTERY 12V 9AH FOR V3

Unit: EA Qty: 1



Part No. UPSBATT9AHDV3

- Replacement battery for UPS Part No. UPS1000DV3 and UPS1500DV3
- Sealed Lead Acid battery 12V 9AH
- Maintenance free

DOMESTIC POWER

POWER BOARDS

POWER BOARDS

POWERBOARD 240V WITH 2 X USB OUTLETS

Unit: EA Qty: 1



Part No. PB1USB2

- Slimline design with a single Australian power outlet
- Surge protection
- USB outlets suitable for charging USB devices
- Power status indicator

POWER ADAPTOR DOUBLE RIGHT HAND

Unit: EA Qty: 1



Part No. PADRH1

- Double the power outlets
- Ideal for domestic appliances
- 10 amp rated
- For right side power point - horizontal side by side

POWER ADAPTOR DOUBLE VERTICAL

Unit: EA Qty: 1



Part No. PADV1

- Double the power outlets
- Ideal for domestic appliances
- 10 amp rated
- Vertical arrangement

POWERBOARD O/LOAD PROTECTION 4 WAY

Unit: EA Qty: 1



Part No. PB7

- Ideal for computer hardware, electrical equipment and domestic appliances
- 4 Outlets
- Overload protection
- 1m cord length

POWERBOARD 4 WAY W/ SWITCHES

Unit: EA Qty: 1



Part No. PB4SW

- Power board with individual switches
- 4 wide sockets suitable for power adaptors
- Overload protection with reset button for up to 4 appliances
- Flame retardant outer case with optional wall mounts

POWERBOARD SP 4 WAY W/ FOOT SWITCH

Unit: EA Qty: 1



Part No. PBFS4

- Unique design - switch off all equipment with just one foot press
- Surge protection
- 4x Australian power outlets
- Space saving right angled plug

POWERBOARD O/LOAD PROTECTION 6 WAY

Unit: EA Qty: 1



Part No. PB8

- Ideal for computer hardware, electrical equipment and domestic appliances
- 6 Outlets
- Overload protection
- 1m cord length

POWERBOARD SP O/LOAD 6 WAY W/ USB

Unit: EA Qty: 1



Part No. PB6USB2

- Slim sturdy design with space for a bulky battery charger, power pack or transformer
- Surge and overload protection
- USB outlets suitable for charging USB devices
- Space saving right angled plug

POWERBOARD SP 6 WAY W/ SWITCHES

Unit: EA Qty: 1



Part No. PB6SW

- 6x Australian power outlets each with an individual switch
- Surge and overload protection
- EMI and RFI protection
- 2m power lead with right angled plug

POWERBOARD SP GREEN ENERGY SAVING 6 WAY

Unit: EA Qty: 1



Part No. PBGE6

- Reduces the 'Standby' power consumption typical from most home and office appliances
- Surge and overload protection
- Protection from electromagnetic and radio interference
- Space saving right angled plug

POWER OUTLET 8 WAY W/ MAINS PHONE FILTER

Unit: EA Qty: 1



Part No. PB80

- 8 way power board
- Surge and overload protection
- Coax cable line protection
- Phone/ADSL line protection

DOMESTIC POWER

EXTENSION CORDS

EXTENSION CORD 10A



- Power extension cord for household and office environment
- Australian standard insulated pins
- 10A rated
- Colour: White

Part No.	Description	Unit	Qty
ELD2	EXTENSION LEAD HOUSE OFFICE 240V 10A 2M	EA	1
ELD4	EXTENSION LEAD HOUSE OFFICE 240V 10A 4M	EA	1
ELD6	EXTENSION LEAD HOUSE OFFICE 240V 10A 6M	EA	1
ELD8	EXTENSION LEAD HOUSE OFFICE 240V 10A 8M	EA	1
ELD10	EXTENSION LEAD HOUSE OFFICE 240V 10A 10M	EA	1
ELD15	EXTENSION LEAD HOUSE OFFICE 240V 10A 15M	EA	1
ELD20	EXTENSION LEAD HOUSE OFFICE 240V 10A 20M	EA	1

EXTENSION CORD 10A PIGGY



- Power extension cord for household and office environment
- Extension lead with piggy back plug
- Australian standard insulated pins
- 10A rated
- Colour: Black

Part No.	Description	Unit	Qty
ELD1P	EXT LEAD HSE/OFF 240V 10A PIGGY BK 1M	EA	1
ELD2P	EXT LEAD HSE/OFF 240V 10A PIGGY BK 2M	EA	1
ELD4P	EXT LEAD HSE/OFF 240V 10A PIGGY BK 4M	EA	1
ELD6P	EXT LEAD HSE/OFF 240V 10A PIGGY BK 6M	EA	1
ELD10P	EXT LEAD HSE/OFF 240V 10A PIGGY BK 10M	EA	1
ELD15P	EXT LEAD HSE/OFF 240V 10A PIGGY BK 15M	EA	1
ELD20P	EXT LEAD HSE/OFF 240V 10A PIGGY BK 20M	EA	1

EXTENSION CORD 10A HD



- Heavy-duty extension cord
- See through plug and socket
- Australian standard insulated pins
- 10A rated
- Colour: Yellow

Part No.	Description	Unit	Qty
ELH10	EXT LEAD HD 240V 10A CLEAR PLUG YL 10M	EA	1
ELH15	EXT LEAD HD 240V 10A CLEAR PLUG YL 15M	EA	1
ELH20	EXT LEAD HD 240V 10A CLEAR PLUG YL 20M	EA	1
ELH25	EXT LEAD HD 240V 10A CLEAR PLUG YL 25M	EA	1

EXTENSION CORD 10A INDUSTRIAL



- Industrial duty extension lead
- 10A rated socket and plug with 15A rated cable
- Australian standard insulated pins
- See through plug and socket
- Colour: Orange

Part No.	Description	Unit	Qty
ELID20	EXT LEAD HD 240V 10A CLEAR PLUG OR 20M	EA	1
ELID30	EXT LEAD HD 240V 10A CLEAR PLUG OR 30M	EA	1
ELID35	EXT LEAD HD 240V 10A CLEAR PLUG OR 35M	EA	1

EXTENSION CORD 15A HD

- Heavy-duty extension lead
- See through plug and socket
- Australian standard insulated pins
- 15A rated
- Colour: Blue

Part No.	Description	Unit	Qty
ELID15A10	EXT LEAD HD 240V 15A CLEAR PLUG BL 10M	EA	1
ELID15A15	EXT LEAD HD 240V 15A CLEAR PLUG BL 15M	EA	1

DVI Cables and Adaptors

The Basics of DVI

DVI stands for **DIGITAL VIDEO INTERFACE** and is video interface technology designed to maximize the quality of flat panel LCD monitors and high-end video graphics cards. It is a replacement for the Plug & Display (P&D) standard, and a step up from the digital-only DFP format for older flat panels.

DVI is becoming increasingly popular with video card manufacturers, and most cards purchased include both a VGA and a DVI output port.

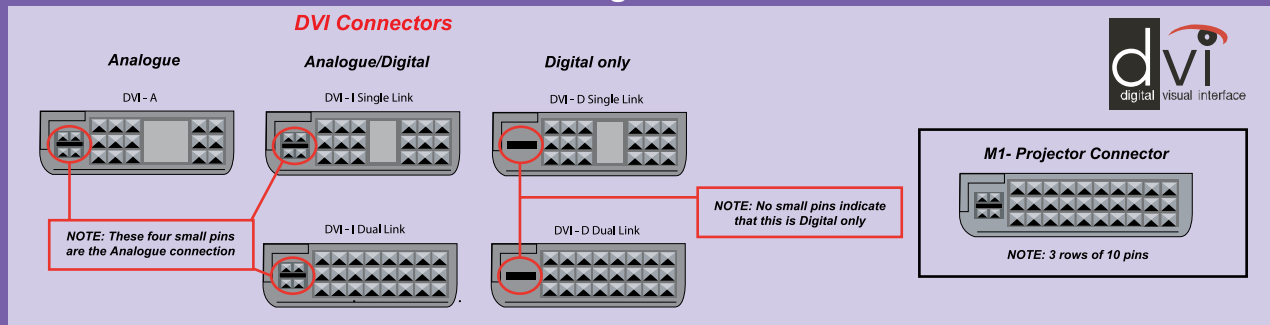
DVI FORMATS

- **DVI-D (Digital)** - This is a strictly digital high speed transfer typically from a video card to a digital LCD.
- **DVI-A (Analogue)** - This is an analogue signal, which has lesser quality and speed than DVI-D, and is basically VGA.
- **DVI-I (Integrated Digital/Analogue)** - Combines DVI-D and DVI-A in one cable.

SINGLE AND DUAL LINKS

Digital DVI can be **Single Link** or **Dual Link**. Dual Link effectively doubles the power of transmission giving much higher resolution. Unless your equipment is high end, and generally clearly marked Dual Link, it is likely to be Single Link, which covers most of the market. DVI-D and DVI-I cables can be Dual Link.

How to Recognize a DVI Cable



USB CABLES

USB 2.0 A (M) TO B (M)



- Used for USB2.0 port equipped devices
- Black with gold tip
- USB type A to type B
- Colour: Black



Part No.	Description	Unit	Qty
USB2AB2	CABLE USB 2.0 A-B GOLD/P BLACK M-M 2M	EA	1
USB2AB3	CABLE USB 2.0 A-B GOLD/P BLACK M-M 3M	EA	1
USB2AB5	CABLE USB 2.0 A-B GOLD/P BLACK M-M 5M	EA	1

USB 2.0 A TO A (M TO F) EXTENSION



- Used for USB2.0 port equipped devices
- USB type A male to type A female
- Colour: Black



Part No.	Description	Unit	Qty
40USB2AMF2-BK	CABLE EXT USB 2.0 A-A M-F BLACK 1.8M	EA	1
40USB2AMF3-BK	CABLE EXT USB 2.0 A-A M-F BLACK 3M	EA	1
40USB2AMF5-BK	CABLE EXT USB 2.0 A-A M-F BLACK 5M	EA	1

USB 2.0 A (M) TO A (M)

CABLE USB 2.0 A M- A M LINK BLACK 2M

Unit: EA Qty: 1



Part No. 40USB2AA2-BK

- Used to connect 2 hosts or hubs together allowing 'cascading'
- USB type A male to type A male
- Colour: Black
- Length: 1.8m

USB 2.0 EXTENSION ACTIVE



- Regenerate the USB signal for maximum reliability and performance over extended distances
- Plug and play - no driver required
- USB 2.0 and 1.1 compliant
- Type A male to type A female

Part No.	Description	Unit	Qty
USB2EXT	CABLE EXTENSION ACTIVE USB 2.0 5M	EA	1
USB2EXT-12M	CABLE EXTENSION ACTIVE USB 2.0 12M	EA	1

USB 3.0 A (M) TO MICRO B



- Used for USB3.0 (SuperSpeed) port equipped devices
- 3um gold plated contacts
- USB type A male to type micro B
- Colour: Blue

Part No.	Description	Unit	Qty
40USB3AMMCBM2	CABLE USB 3.0 AM-MICRO BM GOLD/P BL 2M	EA	1
40USB3AMMCBM3	CABLE USB 3.0 AM-MICRO BM GOLD/P BL 3M	EA	1

USB 3.0 A (M) TO B (M)



- Used for USB3.0 (SuperSpeed) port equipped devices such as camcorder and hard drives
- 3um gold plated contacts
- USB type A male to type B male
- Colour: Blue

Part No.	Description	Unit	Qty
40USB3AMBM2	CABLE USB 3.0 AM-BM GOLD/P BLUE 2M	EA	1
40USB3AMBM3	CABLE USB 3.0 AM-BM GOLD/P BLUE 3M	EA	1

USB 3.0 A (M) TO A (F) EXTENSION



- Used for USB3.0 (SuperSpeed) port equipped devices and cord extension
- 3um gold plated contacts
- USB type A male to type A female
- Colour: Blue

Part No.	Description	Unit	Qty
40USB3AMAF2	CABLE EXT USB 3.0 AM-AF GOLD BLUE 2M	EA	1
40USB3AMAF3	CABLE EXT USB 3.0 AM-AF GOLD BLUE 3M	EA	1

COMPUTER, VIDEO AND AUDIO CABLES

PRINTER CABLES

USB TO PARALLEL

CABLE USB TO PRINTER PORT RS232 1.8M

Unit: EA Qty: 1



Part No. USBPRI

- Connects parallel printer to USB port
- Fully plug and play compatible
- USB A connector to Centronics 36
- Length: 1.8m

SERIAL PRINTER CABLE

SERIAL PRINTER CABLE DB9F-DB25M BLACK

Unit: EA Qty: 1



Part No. 40CABSERTM9

- Fully moulded Serial printer cable
- Easily connect your Serial printer to a DB9 PORT
- Shielded construction

DATA TRANSFER CABLES

SERIAL DB9 CABLES

CABLE SERIAL DB9M-DB9M 1.8M

Unit: EA Qty: 1



Part No. 40DB9PP2M

- Data cable for serial interface
- 9 conductors, shielded and moulded
- Length: 1.8m

CABLE SERIAL EXTENSION DB9M-DB9F 2M

Unit: EA Qty: 1



Part No. 40DB9PS2M

- Data cable for serial interface
- 9 conductors, shielded and moulded
- Length: 2m

DB25 CABLES

CABLE PRINTER DB25-C36M 5M

Unit: EA Qty: 1



Part No. 40IBM5

- Standard printer cable
- DB25 to Centronics 36 male
- 26 conductors shielded and moulded
- Black colour - length 5m

PAL CABLES

PAL CABLES

TV FLY LEAD PAL M - PAL M MULTIFIT 2M

Unit: EA Qty: 1



Part No. TVUNI2

- Base lead is PAL Male to PAL Male
- Adaptors included: PAL (Female-Female), PAL (Female) - F (Male)
- Length 2m
- Colour: white

CABLE EXT SVGA MONITOR FULL 15P MF 5M

Unit: EA Qty: 1



Part No. 40SVGAMF5

- SVGA cable for high quality analog video signals
- Double ferrite core for optimal EMI/RFI screening protection
- Shell - gold plate pin connections
- Full 15 pin configuration

VGA CABLES

SVGA MONITOR CABLES



- SVGA cable for high quality analog video signals
- Double ferrite core for optimal EMI/RFI screening protection
- Shell - gold plate pin connections
- Full 15 pin configuration

Part No.	Description	Unit	Qty
40SVGAMM2	CABLE SVGA MONITOR FULL 15 PIN M-M 2M	EA	1
40SVGAMM3	CABLE SVGA MONITOR FULL 15 PIN M-M 3M	EA	1
40SVGAMM5	CABLE SVGA MONITOR FULL 15 PIN M-M 5M	EA	1
40SVGAMM10	CABLE SVGA MONITOR FULL 15 PIN M-M 10M	EA	1
40SVGAMM15	CABLE SVGA MONITOR FULL 15 PIN M-M 15M	EA	1
40SVGAMM20	CABLE SVGA MONITOR FULL 15 PIN M-M 20M	EA	1

SVGA MONITOR CABLES WITH AUDIO



- SVGA male to male extension cable for high quality analog video signals
- Audio cable included with 3.5mm plug at both ends
- Shell - gold plate pin connections
- Full 15 pin configuration

Part No.	Description	Unit	Qty
40SVGAMM3-AUDIO	SVGA MONITOR CABLE W AUDIO 15PIN 3+9 3M	EA	1
40SVGAMM5-AUDIO	SVGA MONITOR CABLE W AUDIO 15PIN 3+9 5M	EA	1

ADAPTORS - SERIAL, USB, VIDEO AND TV

DB TO RJ NETWORK ADAPTORS

ADAPTOR RJ45-DB9M

Unit: EA Qty: 1



Part No. 06RJ45D09P

- Network adaptor from DB to RJ
- Easy to assemble
- Allows standard RS232 to run over UTP CAT cable
- Pin out to suit application

ADAPTOR RJ45-DB25M

Unit: EA Qty: 1



Part No. 06RJ45D25P

- Network adaptor from DB to RJ
- Easy to assemble
- Allows standard RS232 to run over UTP CAT cable
- Pin out to suit application

COMPUTER, VIDEO AND AUDIO CABLES

USB ADAPTORS

CABLE ADAPTOR USB TO SERIAL

Unit: EA Qty: 1



Part No. USB2SER

- USB to Serial - DB9 male convertor
- USB 1.1 compliant
- Windows 2000, XP, Vista, 7, 8, 8.1, 10 Compatible
- Windows Server 2003, 2008, 2012, 2016 Compatible

GENDER CHANGERS

GENDER CHANGER DB9F MINI

Unit: EA Qty: 1



Part No. 01GC09F

- Mini gender changer for everyday computer requirements
- DB9 connectors
- Female to female

GENDER CHANGER DB9M MINI

Unit: EA Qty: 1



Part No. 01GC09M

- Mini gender changer for everyday computer requirements
- DB9 connectors
- Male to male

TV ADAPTORS AND JOINERS

SOCKET DOUBLE FOXAP F 5PK

Unit: EA Qty: 1



Part No. 05FF1-V

- F double socket used for through panel applications
- Pack of 5

RCR ADAPTORS



- Adaptors to convert gender (male to female) and connector type (F, PAL, RCA)
- High quality nickel plated brass, machined or die cast
- Secure adaptor for good connection

Part No.	Description	Unit	Qty
05AFFPF	ADAPTOR F FEMALE TO PAL FEMALE	EA	1
05AFFPM	ADAPTOR F FEMALE TO PAL MALE	EA	1
05AFFRM	ADAPTOR F FEMALE TO RCA MALE	EA	1
05ARFBM	ADAPTOR RCA FEMALE TO BNC MALE	EA	1
05ARFFM	ADAPTOR RCA FEMALE TO F MALE	EA	1

DVI CABLES AND ADAPTORS

DVI-D MALE TO MALE



- Covers 95 per cent of all DVI to DVI hook up requirements
- Suitable for all digital equipment
- Double shielded to ensure compliance with FCC requirements
- Gold plated Copper contacts to provide max connectivity

Part No.	Description	Unit	Qty
40DVI-DMM3	CABLE DVI-D DUAL LINK DIGITAL M-M 3M	EA	1
40DVI-DMM5	CABLE DVI-D DUAL LINK DIGITAL M-M 5M	EA	1
40DVI-DMM10	CABLE DVI-D DUAL LINK DIGITAL M-M 10M	EA	1

DVI-D MALE TO FEMALE EXTENSION

CABLE EXT DVI-I DUAL LINK M-F 5M

Unit: EA Qty: 1



Part No. 40DVI-IEXT5

- Covers 95 per cent of all DVI to DVI hook up requirements
- Suitable for all digital equipment
- Double shielded to ensure compliance with FCC requirements
- Gold plated Copper contacts to provide max connectivity

DVI-D MALE TO FEMALE EXTENSION CABLE

CABLE DVI-D DUAL LINK DIG M-F EXT 5M

Unit: EA Qty: 1



Part No. 40DVI-DEXT5

- Covers 95 per cent of all DVI to DVI hook up requirements
- Suitable for all digital equipment
- Double shielded to ensure compliance with FCC requirements

HDMI CABLES AND ADAPTORS

HDMI ADAPTORS

HDMI ADAPTOR 19PIN F-M RIGHT ANGLE

Unit: EA Qty: 1



Part No. ADDHDMIRAFM

- Right angle HDMI adaptor - Ideal for wall mounted flat screen TV where space is limited
- Improves the bend radius of your cables, less stress on the cable
- Compatible with standard Male to Male HDMI Cables
- Black in colour

V1.4 HDMI A TO D MICRO

CABLE H/SPEED HDMI V1.4 A-D MICRO 0.5M

Unit: EA Qty: 1



Part No. 40HDMI1.4AD0.5

- HDMI Type A to Type D (micro) Male-to-Male High Speed cable with Ethernet Channel
- Designed to support video resolutions of up to 4K
- Features include audio return channel (ARC), 3D and Deep Colour
- High Speed HDMI performance with a dedicated Ethernet channel

COMPUTER, VIDEO AND AUDIO CABLES

V1.4 HDMI A TO C MINI



- HDMI Type A to Type C (mini) Male-to-Male High Speed cable with Ethernet Channel
- Designed to support video resolutions of up to 4K
- Features include audio return channel (ARC), 3D and Deep Colour
- High Speed HDMI performance with a dedicated Ethernet channel



Part No.	Description	Unit	Qty
40HDMI1.4AC1	CABLE HIGH SPEED HDMI V1.4 A-C MINI 1M	EA	1
40HDMI1.4AC2	CABLE HIGH SPEED HDMI V1.4 A-C MINI 2M	EA	1

V1.4 HDMI M TO M



- HDMI Type A to Type A Male-to-Male High Speed cable with Ethernet Channel
- Designed to support video resolutions of up to 4K
- Features include audio return channel (ARC), 3D and Deep Colour
- High Speed HDMI performance with a dedicated Ethernet channel



Part No.	Description	Unit	Qty
40HDMI1.4MM0.5	CABLE HIGH SPEED HDMI V1.4 M-M 0.5M	EA	1
40HDMI1.4MM1	CABLE HIGH SPEED HDMI V1.4 M-M 1M	EA	1
40HDMI1.4MM2	CABLE HIGH SPEED HDMI V1.4 M-M 2M	EA	1
40HDMI1.4MM3	CABLE HIGH SPEED HDMI V1.4 M-M 3M	EA	1
40HDMI1.4MM5	CABLE HIGH SPEED HDMI V1.4 M-M 5M	EA	1
40HDMI1.4MM10	CABLE HIGH SPEED HDMI V1.4 M-M 10M	EA	1
40HDMI1.4MM15	CABLE HIGH SPEED HDMI V1.4 M-M 15M	EA	1

HDMI TO DVI CABLES AND ADAPTORS

CABLE HDMI MALE TO DVI MALE 2M

Unit: EA Qty: 1



Part No. 40HDMIDVI2

- Connects a digital signal between a HDMI and DVI device
- HDMI male to DVI male
- Colour: Black
- Length: 2m

ADAPTOR HDMI F TO DVI M

Unit: EA Qty: 1



Part No. HDMIF-DVIM

- DVI Male to HDMI Female Adaptor
- TV, computer and player conversion
- Connect a HDMI screen/monitor to a DVI source

ADAPTOR HDMI M TO DVI F

Unit: EA Qty: 1



Part No. HDMIM-DVIF

- DVI Female to HDMI Male Adaptor
- TV, computer and player conversion
- Connect a DVI screen/monitor to a HDMI source

DISPLAYPORT CABLES AND ADAPTORS

MALE TO MALE DISPLAY PORT CABLES



- Supports all of the DisplayPort version 1.2 features, including Ultra HD 4K resolution, deep colour, audio and 3D
- Multi-stream support: connect up to 5 monitors via daisy chaining
- Backwards compatible with DisplayPort version 1.1
- Black in colour with moulded plug

Part No.	Description	Unit	Qty
MDPMM1	CABLE DISPLAYPORT MOULDED M-M 1M	EA	1
MDPMM2	CABLE DISPLAYPORT MOULDED M-M 2M	EA	1
MDPMM3	CABLE DISPLAYPORT MOULDED M-M 3M	EA	1
MDPMM5	CABLE DISPLAYPORT MOULDED M-M 5M	EA	1
MDPMM10	CABLE DISPLAYPORT MOULDED M-M 10M	EA	1

DISPLAYPORT ADAPTORS

ADAPTOR DISPLAYPORT M-DVI F

Unit: EA Qty: 1



Part No. ADDPMDVIF

- DisplayPort Adaptor
- Display port V1.1a compliant
- Display port male to DVI-I female

ADAPTOR DISPLAYPORT M-HDMI F

Unit: EA Qty: 1



Part No. ADDPMHDMIF

- DisplayPort Adaptor
- Display port V1.1a compliant
- Display port male to HDMI female

ADAPTOR DISPLAYPORT M-VGA F

Unit: EA Qty: 1



Part No. ADDPMVGAF

- DisplayPort Adaptor
- Display port V1.1a compliant
- Display port male to VGA female
- Supports ultra-fast video image recovery

POWER CABLES

LAPTOP FIGURE 8



- 2.5 Amp power cable with insulated pins that comply with Australian Standards - 2 pin male plug to IEC C7 figure eight female socket for laptop
- Cable: 0.75mm²
- Socket and cord: Black

Part No.	Description	Unit	Qty
PL240-8B0.5	CABLE POWER FIGURE 8 0.5M	EA	1
PL240-8B1	CABLE POWER FIGURE 8 1M	EA	1
PL240/8B	CABLE POWER FIGURE 8 2M	EA	1
PL240-8B3	CABLE POWER FIGURE 8 3M	EA	1
PL240/8B5	CABLE POWER FIGURE 8 5M	EA	1

COMPUTER, VIDEO AND AUDIO CABLES

LAPTOP CLOVER LEAF



- 2.5 Amp power cable Australian 3 pin male plug to IEC C5 clover leaf female socket
- Cable: 0.75mm²
- Aus. 3 pin plug, clover leaf socket and cord: Black

Part No.	Description	Unit	Qty
PL240-CLB0.5	CLOVER LEAF POWER CORD 0.5M	EA	1
PL240/CLB	CABLE POWER CLOVER LEAF 2M	EA	1
PL240/CLB5	CABLE POWER CLOVER LEAF 5M	EA	1

3 PIN PLUG TO IEC SOCKET (FEMALE)

CABLE POWER IEC C-19 15A 2M

Unit: EA Qty: 1



Part No. 3PIEC19BK2

- 15 Amp power cable with an Australian 3 pin male plug to IEC C19 female socket
- Cable: 1.5mm²
- Plug, C19 socket and cord: Black
- Length: 2m

CABLE COMPUTER NOT BAGGED BLACK 2M

Unit: EA Qty: 1



Part No. 3PIECBK

- 10 Amp power cable Australian 3 pin male plug to IEC C13 female socket - ideal for computer screens
- Cable: 0.75mm²
- Aus. 3 pin plug, C13 socket and cord: Black
- Length: 2m

CABLE COMPUTER R/ANGLED F BLACK 2M

Unit: EA Qty: 1



Part No. 3PIECBKRA

- 10 Amp power cable Australian 3 pin male plug to IEC C13 female socket - ideal for computer screens
- Cable: 0.75mm²
- Aus. 3 pin plug, C13 socket and cord: Black
- Length: 2m

CABLE COMPUTER GREY 2M

Unit: EA Qty: 1



Part No. 3PIECGY

- 10 Amp computer power cable with an Australian 3 pin male plug to IEC C13 female socket - ideal for computer screens
- Cable: 0.75mm²
- Plug, C13 socket and cord: Grey
- Length: 2m

CABLE POWER



- 10 Amp Australian 3 pin male plug to IEC C13 female socket power cable - ideal for computer screens
- Cable: 0.75mm²
- Aus. 3 pin plug, C13 socket and cord: Black
- Supplied in a hang sell bag

Part No.	Description	Unit	Qty
40IEC0.5	CABLE POWER IEC 0.5M	EA	1
40IEC1	CABLE POWER IEC 1M	EA	1
40IEC2	CABLE POWER IEC 2M	EA	1
40IEC3	CABLE POWER IEC 3M	EA	1
40IEC5	CABLE POWER IEC 5M	EA	1

3 PIN PLUG TO Y SPLIT IEC (F)



- Bulk pack of 25x 10 Amp Y split power cables with an Australian 3 pin male plug - ideal for computer screens
- Cable: 0.5m = 1mm² and 1.5m = 0.75mm²
- Plug, C13 sockets and cord: Black
- Length: 2m

Part No.	Description	Unit	Qty
3PIECBKYF	CABLE POWER Y SPLIT 2X IEC F BLACK 2M	PAK	25
3PIECBKYF-1	CABLE POWER Y SPLIT 2X IEC F BLACK 2M	EA	1

IEC (M) TO 3 PIN (F)



- 10 Amp power cable IEC C14 male plug to Australian 3 pin female socket
- Cable: 0.75mm²
- C14 plug, Aus. 3 pin socket and cord : Black
- Supplied in a hang sell bag

Part No.	Description	Unit	Qty
40UPSIEC150MM	SOCKET POWER UPS IEC MALE TO 3PIN 150MM	EA	1
40UPSIEC1.5M	SOCKET POWER UPS IEC MALE TO 3 PIN 1.5M	EA	1

CABLE MONITOR IEC M-F 1M

Unit: PAK Qty: 25



- Part No. IECMFBK1**
- 10 Amp monitor cable - ideal for computer screens
 - Cable: 0.75mm²
 - C14 plug, C13 socket and cord: Black
 - Length: 1m
 - Bulk pack of 25

IEC C14 (M) PLUG TO C13 (F) SOCKET



- 10 Amp power cable IEC C14 male plug to IEC C13 female socket - ideal for computer screens
- Cable: 0.75mm²
- C14 plug, C13 socket and cord: Black
- Supplied in a hang sell bag

Part No.	Description	Unit	Qty
40IECMF0.5	CABLE POWER IEC C13 TO C14 0.5M	EA	1
40IECMF1	CABLE POWER IEC C13 TO C14 1M	EA	1
40IECMF2	CABLE POWER IEC C13 TO C14 2M	EA	1
40IECMF3	CABLE POWER IEC C13 TO C14 3M	EA	1
40IECMF5M	CABLE POWER IEC C13 TO C14 5M	EA	1

COMPUTER, VIDEO AND AUDIO CABLES

IEC C14 (M) PLUG TO C15 (F) SOCKET



- Power cable supplied in a hang sell bag
- Amp Rating: 10A. Cable: 1mm²
- C14 Plug: black. C15 Socket: black. Cord: black

Part No.	Description	Unit	Qty
40IEC14150.5	CABLE POWER IEC C14 TO C15 0.5M	EA	1
40IEC141502	CABLE POWER IEC C14 TO C15 2M	EA	1
40IEC14151.5	CABLE POWER IEC C14 TO C15 1.5M	EA	1

IEC TO C19 (M) C20 (F)



- 15 Amp power cable IEC C20 male plug to IEC C19 female socket
- Cable: 1mm²
- C20 plug, C19 socket and cord: Black
- Supplied in a hang sell bag

Part No.	Description	Unit	Qty
40IEC19202	CABLE POWER IEC C19 TO C20 2M	EA	1
40IEC19205	CABLE POWER IEC C19 TO C20 5M	EA	1

INDUSTRIAL CABLE ROLLS

INDUSTRIAL RS 485



- A multi-pair industrial cable with a RS-485 industrial jacket
- 22 AWG tinned Copper conductors
- 100 per cent foil plus 65 per cent braid
- Jacket is black and UV resistant

Part No.	Description	Unit	Qty
BEL-3105A-0101000	CABLE 22AWG 1 PAIR RS-485 BLACK	ROL	305
BEL-3106A-0101000	CABLE 22AWG 1.5 PAIR RS-485 BLACK	ROL	305
BEL-3107A-0101000	CABLE 22AWG 2 PAIR RS-485 BLACK	ROL	305

INDUSTRIAL BLUEHOSE

CABLE HOSE 20AWG 1 PAIR BLUE

Unit: ROL Qty: 305



Part No. BEL-9463-J221000

- 20 AWG Twinax
- 100 per cent Foil plus 55 per cent braid
- Blue UV resistant PVC jacket

INDUSTRIAL CONTROLNET

CABLE CONTROLNET 18AWG 1 COAX

Unit: ROL Qty: 305



Part No. BEL-3092A-0101000

- ControlNet RG6
- 18 AWG solid bare Copper covered steel conductor
- Quad shield and Black PVC Jacket
- Length: 305m reel

INDUSTRIAL DEVICENET



- 2 pair DeviceNet cable with stranded tinned Copper conductors
- PVC insulation (power)
- FPE insulation (data)
- Sunlight/oil-resistant PVC jacket

Part No.	Description	Unit	Qty
BEL-3082A-T5U1000	CABLE DEVICENET 15/18AWG 2PR THICK GREY	ROL	305
BEL-3084A-T5U1000	CABLE DEVICENET 22/24AWG 2PR THIN GREY	ROL	305

CABLE PROFIBUS 22AWG 1PR DP VIOLET

Unit: ROL Qty: 305



Part No. BEL-3079A-0071000

- 22 AWG tinned cable conductors
- 100% foil plus 65% braid shield
- Available in violet or grey PVC jacket
- Length: 305m reel

INDUSTRIAL PROFIBUS



- Sunlight and oil resistant PVC jacket
- 18 AWG tinned Copper conductors
- 100 per cent foil shield
- Length: 305m reel

Part No.	Description	Unit	Qty
BEL-3076F-0031000	CABLE PROFIBUS 18AWG 1PR PA ORANGE	ROL	305
BEL-3076F-0061000	CABLE PROFIBUS 18AWG 1PR PA BLUE	ROL	305

INDUSTRIAL TWINAX

CABLE TWINAX 18AWG 1 PAIR BLUE

Unit: ROL Qty: 305



Part No. BEL-3072F-C551000

- 18 AWG stranded (7x26) tinned Copper conductors
- Flame-retardant Polyolefin insulation
- Sunlight resistant PVC jacket
- Length: 305m reel

SECURITY CABLES

COAX CCTV CABLE

CABLE 20AWG 1 COAX RG59 CCTV BLACK

Unit: ROL Qty: 305



Part No. BEL-543945-0101000

- 20 AWG bare Copper conductor
- Black UV resistant PVC jacket
- Suitable for indoor and outdoor use
- Length: 305m reel

CABLE 18AWG 1 COAX RG6 CCTV

Unit: ROL Qty: 500



Part No. BELS533945-0101640

- For Surveillance and CCTV applications
- 18 AWG bare Copper conductor
- Bare Copper braid shield
- Length: 500m reel

COMPUTER, VIDEO AND AUDIO CABLES

CABLE 18AWG 1 COAX RG6 CCTV WR

Unit: ROL Qty: 500



Part No. BELS5339X5-0101640

- 5339X5 Coax - Surveillance and CCTV Applications
- 18 AWG solid bare Copper conductor
- Bare Copper braid shield (95% coverage)
- Black UV resistant PVC jacket



22AWG MULTI CORE CABLE

- Multi-Conductor, audio, control and instrumentation cable
- 22 AWG stranded (7x30) conductors
- PVC jacket with rip cord



Part No.	Description	Unit	Qty
BEL-5500UE-0081000	CABLE 22AWG 2 CONDUCTOR GREY	ROL	305
BEL-5500UE-0081640	CABLE 22AWG 2 CONDUCTOR GREY	ROL	500
BEL-8442-0601000	CABLE 22AWG 2 CONDUCTOR GREY	ROL	305
BEL-8445-0601000	CABLE 22AWG 5 CONDUCTOR GREY	ROL	305

CABLE 18AWG 3 CONDUCTOR GREY

Unit: ROL Qty: 305



Part No. BEL-8770-0601000

- 8770 Multi-Conductor, audio, control and instrumentation cable
- 18 AWG stranded (16x30) tinned Copper conductors
- Grey PVC jacket
- Length: 305m reel



CABLE 18AWG 4 CONDUCTOR GREY

Unit: ROL Qty: 305



Part No. BEL-9418-060-1000

- 9418 Multi-Conductor, audio, control and instrumentation cable
- 18 AWG stranded (19x30) tinned Copper conductors
- Semi-rigid PVC insulation
- Grey PVC jacket



18AWG MULTI CORE CABLE

- Multi-Conductor - Commercial Audio Systems - 2 Conductors Cabled
- 18 AWG bare Copper conductors
- PP insulation
- Length: 305m reel



Part No.	Description	Unit	Qty
BEL-5300UE-0091000	CABLE 18AWG 2 CONDUCTOR WHITE	ROL	305
BEL-5300UE-0091640	CABLE 18AWG 2 CONDUCTOR WHITE	ROL	500

WATERBLOCKED MULTI CORE CABLE

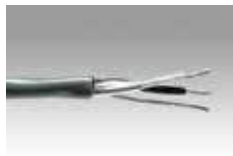


- Low Voltage, water-blocked for use in underground ducts, PLTC, FPL, intercom, sound, audio
- Stranded tinned Copper conductors
- Black PVC jacket



Part No.	Description	Unit	Qty
BEL-5140U1-0101000	CABLE 14AWG 1 PAIR BLACK	ROL	305
BEL-5240U1-0101000	CABLE 16AWG 1 PAIR BLACK	ROL	305
BEL-5240U1-0101640	CABLE 16AWG 1 PAIR BLACK	ROL	500

OVERALL SHIELD SINGLE PAIR CABLE



- Shielded security cable
- 18 AWG tinned Copper conductors
- 300V RMS max operating voltage, double insulated
- Available in a 305m reel or Box



Part No.	Description	Unit	Qty
BEL-8760-0601000	CABLE 18AWG 1 PAIR GREY	ROL	305
BEL-8760-060U1000	CABLE 18AWG 1 PAIR GREY	ROL	305

CABLE 22AWG 1 PAIR GREY

Unit: ROL Qty: 305



Part No. BEL-8761-0601000



- Shielded security cable
- 22 AWG tinned Copper conductors
- 300V RMS max operating voltage, double insulated
- Grey PVC Jacket

CABLE 20AWG 1 PAIR GREY

Unit: ROL Qty: 305



Part No. BEL-8762-0601000



- Shielded security cable
- 20 AWG tinned Copper conductors
- 300V RMS max operating voltage, double insulated
- Grey PVC jacket

INDIVIDUAL SHIELD MULTI PAIR CABLE



- Shielded audio speaker cable 22 Awg 2 pair
- 300V RMS max. operating voltage, double insulated
- Grey PVC jacket



Part No.	Description	Unit	Qty
BEL-8723-0601000	CABLE 22AWG 2 PAIR SHIELDED FOIL GREY	ROL	305
BEL-8723-060U1000	CABLE 22AWG 2 PAIR SHIELDED FOIL GREY	ROL	305

COMPUTER, VIDEO AND AUDIO CABLES

RS-232 MULTI CONDUCTOR CABLE



- Multi-Conductor, computer cable for EIA RS-232 applications
- 24 AWG stranded (7x32) tinned Copper conductors
- Grey PVC jacket
- Length: 305m reel



Part No.	Description	Unit	Qty
BEL-9534-0601000	CABLE 24 AWG 4 CONDUCTOR RS-232 GREY	ROL	305
BEL-9536-0601000	CABLE 24 AWG 6 CONDUCTOR RS-232 GREY	ROL	305
BEL-9538-0601000	CABLE 24 AWG 8 CONDUCTOR RS-232 GREY	ROL	305

RS-232 MULTI PAIR CABLE



- 9501 Multi-Conductor, computer cable for EIA RS-232 applications
- 24 AWG stranded (7x32) tinned Copper conductors
- Grey PVC jacket
- Length: 305m reel



Part No.	Description	Unit	Qty
BEL-9501-0601000	CABLE 24AWG 1 PAIR RS-232 GREY	ROL	305
BEL-9502-0601000	CABLE 24AWG 2 PAIR RS-232 GREY	ROL	305
BEL-9503-0601000	CABLE 24AWG 3 PAIR RS-232 GREY	ROL	305
BEL-9504-0601000	CABLE 24AWG 4 PAIR RS-232 GREY	ROL	305
BEL-9506-0601000	CABLE 24AWG 6 PAIR RS-232 GREY	ROL	305

RS-422 MULTI PAIR CABLE



- Shielded RS232/422
- 100 per cent Foil plus 65 per cent braid shield
- Colour: Grey
- Length: 305m reel



Part No.	Description	Unit	Qty
BEL-8102-0601000	CABLE 24AWG 2 PAIR RS-232/422 GREY	ROL	305
BEL-8103-0601000	CABLE 24AWG 3 PAIR RS-232/422 GREY	ROL	305
BEL-8104-0601000	CABLE 24AWG 4 PAIR RS-232/422 GREY	ROL	305

RS-485 MULTI PAIR CABLE



- Multi-Conductor, Low Capacitance computer cable for EIA RS-485 applications
- 24 AWG stranded (7x32) tinned Copper conductors
- Grey PVC jacket
- Length: 305m reel



Part No.	Description	Unit	Qty
BEL-9841-0601000	CABLE 24AWG 1 PAIR RS-485 GREY	ROL	305
BEL-9842-0601000	CABLE 24AWG 2 PAIR RS-485 GREY	ROL	305
BEL-9843-0601000	CABLE 24AWG 3 PAIR RS-485 GREY	ROL	305
BEL-9844-0601000	CABLE 24AWG 4 PAIR RS-485 GREY	ROL	305

AV AND BROADCAST CABLE ROLLS

BROADCAST AUDIO ROLLS

CABLE 16AWG 1 PAIR UNSHIELDED GREY

Unit: ROL Qty: 305



Part No. BEL-8471-0601000

- 16 AWG stranded (19x29) tinned Copper conductors
- Twisted pair
- Grey PVC jacket
- Length: 305m reel

CABLE 24AWG 3 PAIR RS-422 GREY

Unit: ROL Qty: 305



Part No. BEL-9730-0601000

- 24 AWG stranded (7x32) tinned Copper conductors
- Overall Grey PVC jacket
- Length: 305m reel

BROADCAST VIDEO ROLLS

CABLE 20AWG 1 COAX RG59 HDTV BLACK

Unit: ROL Qty: 305



Part No. BEL-1505A-0101000

- 20 AWG bare Copper conductors
- Black PVC jacket
- Foil braid combination - shielding against low and high frequency
- Length: 305m reel

NETWORK HARDWARE

KVM SWITCHES AND CABLES

KVM SWITCHES AND CABLES

KVM RACK MOUNT 8 PORT SWITCH USB-PS2

Unit: EA Qty: 1



Part No. KVM8PUSB-PS2

- Control up to 8 computers from one or more keyboard, video monitor or mouse
- Compatible with USB and PS/2
- Advanced Autoscan Modes for flexible monitoring
- Long daisy-chain distance - up to 30m

KVM RACK MOUNT 8PORT SWITCH USB-PS2 CBL

Unit: EA Qty: 1



Part No. KVM8PUSB-PS2-CBL

- Connects a PS/2 or USB computer to the KVM8PUSB-PS2 KVM switch
- Color-coded connectors for easy installation
- All-in-one cable design prevents tangles
- Shielded with ferrite cores to reduce RFI and EMI

KVM 2 PORT USB W/ CABLES & AUDIO

Unit: EA Qty: 1



Part No. LKVMUSB2P

- KVM switch with LEDs, hot keys and push button for switching computers
- Includes 1.8m standard cable
- 2x USB Type A; 2x HDB 15-pin male; 2x audio/mic connector (USB)
- 2 port switch

KVM 4 PORT USB W/ CABLES & AUDIO

Unit: EA Qty: 1



Part No. LKVMUSB4P

- KVM switch with LEDs, hot keys and push button for switching computers
- Includes 1.8m standard cable
- 3x USB Type A; 2x HDB 15-pin male; 2x audio/mic connector (USB)
- 4 port switch

VIDEO SPLITTERS AND SWITCHES

VIDEO SPLITTERS

FOXAP 2 WAY 5-2400MHZ F TYPE SPLTR

Unit: EA Qty: 1



Part No. 05FSPLT2

- Allows 2 TV's to share the same antenna
- Nickel plated zinc die-cast housing
- Frequency response 5-2300 Mhz

FOXAP 4 WAY 5-2400MHZ F TYPE SPLTR

Unit: EA Qty: 1



Part No. 05FSPLT4

- Allows 4 TV's to share the same antenna
- Nickel plated zinc die-cast housing
- Frequency response 5-2300 Mhz

FOXAP 6 WAY 5-2300MHZ F TYPE SPLTR

Unit: EA Qty: 1



Part No. 05FSPLT6

- Allows 6 TV's to share the same antenna
- Nickel plated zinc die-cast housing
- Frequency response 5-2300 Mhz

FOXAP 8 WAY 5-2400MHZ F TYPE SPLTR

Unit: EA Qty: 1



Part No. 05FSPLT8

- Allows 8 TV's to share the same antenna
- Nickel plated zinc die-cast housing
- Frequency response 5-2300 Mhz

SPLITTER VIDEO 400MHZ 8 PORT

Unit: EA Qty: 1



Part No. VS08

- Splits a standard VGA signal into multiple signals
- Input connector HD15 Female
- Signal bandwidth 400MHz gives superior video display
- 8 output ports

SPLITTER HDMI 4 PORT

Unit: EA Qty: 1



Part No. HDMI4P

- Conveniently split one HDMI signal up to 4
- Signal integrity preserved
- Great for home use or commercial applications
- Supports 3D

EXTENDERS

HDMI EXTENDERS

EXTENDER HDMI VIA RJ45

Unit: EA Qty: 1



Part No. HDMIEXT

- Compatible with HDTV resolutions 480i, 480p, 720p, 1080i and 1080p
- HDCP compliant
- Plug and play, installed in seconds
- Power adaptor for receiver unit supplied

NETWORK HARDWARE

Switch Series

Designed to enhance workgroup performance while providing a high level of flexibility. Powerful yet easy to use, these devices allow users to simply plug into any port of a 10/100 or 1000Mbps network to multiply bandwidth, boost response time and satisfy heavy load demands.

- Flow control against data loss
- High performance wire-speed architecture
- Easy expansion, at 200Mbps full duplex speed, all ports provide a fast switch-to-switch dedicated bandwidth
- Investment protection



DATA SWITCHES UNMANAGED

CABAC SWITCH 10 100

SWITCH 10/100M 24 PORT

Unit: EA Qty: 1



Part No. LSW24

- Fast Ethernet switch standards- IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3x Flow Control
- 24 port switch 1RU
- 10BASE-T - UTP CAT3 or above, 100BASE-TX - UTP CAT5 or above
- Rack mountable

CABAC SWITCH 1GB

ETHERNET SWITCH GIGABIT R19 RM 24 PORT

Unit: EA Qty: 1



Part No. LSW24G

- A powerful and high-performance Gigabit Ethernet unmanaged switch with 24 x 10/100/1000Mbps ports
- Non-blocking supporting all switching port wire-speed performance
- Seamless migration to higher-speed networking
- Broadcast Storming Filter function

HIRSCHMANN SWITCH

SPIDER 5TX UNMANAGED 5 PORT 10/100

Unit: EA Qty: 1



Part No. HIR-943824-002

- An entry level industrial ethernet rail-switch, store and forward switching mode, ethernet (10 Mbit/s) and fast-ethernet (100 Mbit/s)
- SPIDER 5TX
- 5 Port 10/100BASE-TX

SPIDER II 8TX UNMANAGED 8 PORT 10/100

Unit: EA Qty: 1



Part No. HIR-943957-001

- Industrial DIN rail 10/100MB Fast Ethernet 8 port unmanaged switch (DC 9.6V - 32V)
- Auto-crossing, Auto-negotiation, Auto-polarity
- Operating Temperature: 0°C to +60°C
- Dimensions (W x H x D): 35 x 138 x 121 mm

HIRSCHMANN POE

SPIDER II 8TX UNMANAGED 8 PORT 10/100POE

Unit: EA Qty: 1



Part No. HIR-942008-001

- An entry level industrial ethernet rail-switch, store and forward switching mode, ethernet (10 Mbit/s) and fast-ethernet (100 Mbit/s)
- Type: SPIDER II 8TX PoE
- 8 Port 10/100BASE-TX

MSS Gigabit Media Converter

The 10/100/1000 Media Converter provides an intelligent solution for long distance connections between legacy 10BASE-T and 100BASE-TX networks and the newer 1000BASE-T Gigabit Ethernet networks.

The built-in 10/100/1000 converter enables the fibre cable connection to operate at 1000 Mbps connected to either a 10BASE-T, 100BASE-TX or a 1000BASE-T network, while remaining completely 1000BASESX standard-compliant for the fibre optic connection.

The fibre connection can also operate in full duplex mode whether the RJ-45 port is connected to a full duplex switch or half duplex hub. Each Media Converter provides a 10/100/1000BASE-T/TX auto-negotiating RJ-45 twisted-pair connector port featuring store-and-forward switching architecture.

The built-in switch does the network segmentation to provide the maximum fibre distance. Auto-MDIX capability on the twisted-pair port allows convenient connection.



Complies With	IEEE802.3 10BASE-T Standard IEEE802.3u 100BASE-TX/FX Fast IEEE802.3ab 1000BASE-T IEEE802.3z 1000BASESX/LX
Connector	UTP RJ-45 connector, optical SC, ST connector
Data Buffer	2 Megabyte
Wavelength (typical)	Multi-mode: 850nm (<550m) 1310nm (<2km) Single-mode: 1310nm up to 20km 1550nm up to 60km
Temperature	0° to 50°C (Operating), -45° to 80°C (Storage)
Humidity	5%-80% non-condensing (Operating); 10%-90% (Storage)
Power Supply	External 1A, +5VDC
Dimensions	External power version 95L x 70W x 26Hmm
Power Consumption	2.5W
Compliance	RoHS & REACH FCC Part 15 Class B CE EN55022: 1998+A1: 200+A2: 2003 EN61000-3-2: 2000+A2: 2005 EN61000-3-3: 1195+A1: 2001 EN55024: 1998+A1: 2001+A2: 2003

MEDIA CONVERTERS

MEDIA CONVERTERS 100MB

100B-TX TO 100B-FX MM 1300NM LC 2KM

Unit: EA Qty: 1



Part No. FC-110MLC

- Fast Ethernet Media Converter transforms signals between 100BASE-TX (Copper) and 100BASE-FX (fibre) - LC interface
- Data Rate: 100Mbps (fast Ethernet)
- Wavelength: 1300nm Multimode
- Maximum transmission distance: 2km

100B-TX TO 100B-FX MM 1300NM SC 2KM

Unit: EA Qty: 1



Part No. FC-110MSC

- Fast Ethernet Media Converter transforms signals between 100BASE-TX (Copper) and 100BASE-FX (Fibre). SC interface
- Data Rate: 100Mbps (Fast Ethernet)
- Wavelength: 1300nm Multimode
- Maximum transmission distance: 2km

NETWORK HARDWARE

100B-TX TO 100B-FX MM 1300NM ST 2KM

Unit: EA Qty: 1



Part No. FC-110MST

- Fast Ethernet Media Converter transforms signals between 100BASE-TX (Copper) and 100BASE-FX (fibre) - ST interface
- Data Rate: 100Mbps (fast Ethernet)
- Wavelength: 1300nm Multimode
- Maximum transmission distance: 2km

100B-LX SM 20KM TO 100B-FX MM 2KM SC

Unit: EA Qty: 1



Part No. FC-110MS20

- Fast Ethernet Media Converter transforms signals between 100BASE-LX (SM fibre) and 100BASE-FX (MM fibre) - SC interface
- Data Rate: 100Mbps (fast Ethernet)
- Wavelength: 1310nm Single mode/1300nm Multimode
- Maximum transmission distance: 20km SM/2km MM

100B-TX TO 100B-LX SM 1310NM SC 40KM

Unit: EA Qty: 1



Part No. FC-110S40

- Fast Ethernet Media Converter transforms signals between 100BASE-TX (Copper) and 100BASE-LX (fibre) - SC interface
- Data Rate: 100Mbps (fast Ethernet)
- Wavelength: 1310nm Single mode
- Maximum transmission distance: 40km

MEDIA CONVERTERS 1GB

1000B-T TO 1000B-SX MM 850NM LC 550MTR

Unit: EA Qty: 1



Part No. FC-1000MLC-550

- Gigabit Media Converter transforms signals between 1000BASE-TX (Copper) and 1000BASE-SX (Fibre) - LC interface
- Data Rate: 1000Mbps/1Gbps (1 Gig)
- Wavelength: 850nm Multimode
- Maximum transmission distance: 550m

1000B-T TO 1000B-SX MM 850NM SC 550MTR

Unit: EA Qty: 1



Part No. FC-1000MSC-550

- Gigabit Media Converter transforms signals between 1000BASE-TX (Copper) and 1000BASE-SX (Fibre) - SC interface
- Data Rate: 1000Mbps/1Gbps (1 Gig)
- Wavelength: 850nm Multimode
- Maximum transmission distance: 550m

1000B-T TO 1000B-SX MM 850NM ST 550MTR

Unit: EA Qty: 1



Part No. FC-1000MST-550

- Gigabit Media Converter transforms signals between 1000BASE-T (Copper) and 1000BASE-SX (Fibre). ST interface
- Data Rate: 1000Mbps/1Gbps (1 Gig)
- Wavelength: 850nm Multimode
- Maximum transmission distance: 550m

1000B-T TO 1000B-LX MM 1300NM LC 2KM

Unit: EA Qty: 1



Part No. FC-1000MLC

- Gigabit Media Converter transforms signals between 1000BASE-T (Copper) and 1000BASE-LX (fibre) - LC interface
- Data Rate: 1000Mbps/1Gbps (1 Gig)
- Wavelength: 1300nm Multimode
- Maximum transmission distance: 2km

1000B-T TO 1000B-LX MM 1300NM SC 2KM

Unit: EA Qty: 1



Part No. FC-1000MSC

- Gigabit Media Converter transforms signals between 1000BASE-TX (Copper) and 1000BASE-LX (fibre) - SC interface
- Data Rate: 1000Mbps/1Gbps (1 Gig)
- Wavelength: 1300nm Multimode
- Maximum transmission distance: 2km

1000B-T TO 1000B-LX MM 1300NM ST 2KM

Unit: EA Qty: 1



Part No. FC-1000MST

- Gigabit Media Converter transforms signals between 1000BASE-TX (Copper) and 1000BASE-LX (fibre) - ST interface
- Data Rate: 1000Mbps/1Gbps (1 Gig)
- Wavelength: 1300nm Multimode
- Maximum transmission distance: 2km

1000B-T TO 1000B-LX SM 1310NM SC 20KM

Unit: EA Qty: 1



Part No. FC-1000S20

- Gigabit Media Converter transforms signals between 1000BASE-TX (Copper) and 1000BASE-LX (fibre) - SC interface
- Data Rate: 1000Mbps/1Gbps (1 Gig)
- Wavelength: 1310nm Single mode
- Maximum transmission distance: 20km

1000B-LX SM 20KM TO MM 2KM SC

Unit: EA Qty: 1



Part No. FC-1000MS20

- Gigabit Media Converter transforms signals between 1000BASE-LX (SM fibre) and 1000BASE-LX (MM fibre) - SC interface
- Data Rate: 1000Mbps/1Gbps (1 Gig)
- Wavelength: 1310nm Single mode/1300nm Multimode
- Maximum transmission distance: 20km SM/2km MM

TRANSCEIVERS 1GB SFP

TRANSCEIVERS COPPER RJ45

SFP 1000BASE-T COPPER 100M ALLOY

Unit: EA Qty: 1



Part No. MGBIC-T

- Alloy 1000Base-T 1GB Copper UTP SFP for switches with an SFP slot
- Data Rate: 1000Mbps/1Gbps (1GB)
- Wavelength: N/A
- Maximum transmission distance: 100m

NETWORK HARDWARE

TRANSCEIVERS SINGLE MODE SC 850NM

SFP 1000BASE-SX 850NM 550M ALLOY

Unit: EA Qty: 1



Part No. MGBIC-MLC

- Alloy 1000Base-SX Multimode Fibre SFP for switches and media converters with an SFP slot
- Data Rate: 1000Mbps/1Gbps (1GB)
- Wavelength: 850nm
- Maximum transmission distance: 550m

TRANSCEIVERS SINGLE MODE LX 1310NM

- Single mode Fibre SFP for switches and media converters with an SFP slot
- Data Rate: 1000Mbps/1Gbps (1GB)
- RoHS Compliant
- Wavelength: 1310nm
- Maximum transmission distance: 20km



Part No.	Description	Wavelength (nm)	Unit	Qty
MGBIC-SLC20	SFP 1000BASE-LX 1310NM 20KM ALLOY	1310	EA	1
MGBIC-SLC4015	SFP 1000BASE-LX 1550NM 40KM ALLOY	1550	EA	1
MGBIC-SLC4013	SFP 1000BASE-LX 1310NM 40KM ALLOY	1310	EA	1
MGBIC-SLC80	SFP 1000BASE-ZX 1550NM 80KM ALLOY	1550	EA	1
MGBIC-SLC120	SFP 1000BASE-ZX 1550NM 120KM ALLOY	1550	EA	1

TRANSCEIVERS 10GB XFP

TRANSCEIVERS MULTIMODE

XFP 10GE-SR MM 850NM 300M ALLOY

Unit: EA Qty: 1



Part No. XFP-MLC

- Alloy 10GBase-SR Multimode FibreXFP+ for switches with an xFP slot
- Data rate: 10Gbps (10GB)
- Wavelength: 850nm
- Maximum transmission distance: 300m

TRANSCEIVERS SINGLE MODE

XFP 10GE-LR SM 1310NM 10KM ALLOY

Unit: EA Qty: 1



Part No. XFP-SLC10

- Alloy 10GBase-LR Single mode FibreXFP+ for switches with an xFP slot
- Data rate: 10Gbps (10GB)
- Wavelength: 1310nm
- Maximum transmission distance: 10km

XFP 10GE-ER SM 1550NM 40KM ALLOY

Unit: EA Qty: 1



Part No. XFP-SLC40

- Alloy 10GBase-ER Single mode FibreXFP+ for switches with an xFP slot
- Data rate: 10Gbps (10GB)
- Wavelength: 1550nm
- Maximum transmission distance: 40km

XFP 10GE-ZR SM 1550NM 80KM ALLOY

Unit: EA Qty: 1



Part No. XFP-SLC80

- Alloy 10GBase-ZR Single mode FibreXFP+ for switches with an xFP slot
- Data rate: 10Gbps (10GB)
- Wavelength: 1550nm
- Maximum transmission distance: 80km

TRANSCEIVERS 10GB SFP PLUS

TRANSCEIVERS SINGLE MODE

SFP+ 10GE-LR SM 1310NM 10KM ALLOY

Unit: EA Qty: 1



Part No. SFP10G-SLC10

- Alloy 10GBase-LR Single mode Fibre SFP+ for switches and media convertors with an SFP+ slot
- Data rate: 10Gbps (10GB)
- Wavelength: 1310nm
- Maximum transmission distance: 10km

SFP+ 10GE-ER SM 1550NM 40KM ALLOY

Unit: EA Qty: 1



Part No. SFP10G-SLC40

- Alloy 10GBase-ER Single mode Fibre SFP+ for switches and media convertors with an SFP+ slot
- Data rate: 10Gbps (10GB)
- Wavelength: 1550nm
- Maximum transmission distance: 40km

SFP+ 10GE-ZR SM 1550NM 80KM ALLOY

Unit: EA Qty: 1



Part No. SFP10G-SLC80

- Alloy 10GBase-ZR Single mode Fibre SFP+ for switches and media convertors with an SFP+ slot
- Data rate: 10Gbps (10GB)
- Wavelength: 1550nm
- Maximum transmission distance: 80km

TRANSCEIVERS MULTIMODE

SFP+ 10GE-SR MM 850NM 300M ALLOY

Unit: EA Qty: 1



Part No. SFP10G-MLC

- Alloy 10GBase-SR Multimode Fibre SFP+ for switches and media convertors with an SFP+ slot
- Data rate: 10Gbps (10GB)
- Wavelength: 850nm
- Maximum transmission distance: 300m

DATA TOOLS

PUNCH DOWN TOOLS

PUNCH DOWN TOOLS

110 DISPOSABLE TOOL W/ STRIPPER

Unit: KIT Qty: 1



Part No. 42110DST-1

- Economy UTP strip and punch down tool
- Low cost - disposable
- 110 punch down only

PUNCH DOWN TOOL K/110

Unit: EA Qty: 1



Part No. KPT1

- Extra head is stored in a compartment in the top of the tool
- Includes a KATT and 110 punch down head
- Adjustable impact settings
- Robust general purpose tool

PRECISION K/110 PUNCHDOWN TOOL

Unit: EA Qty: 1



Part No. KPT2

- Extra head is stored in a compartment in the top of the tool
- Includes a KATT and 110 punch down head
- Adjustable impact settings
- Robust general purpose tool

PRECISION K/110 PUNCHDOWN TOOL

Unit: EA Qty: 1



Part No. KPT3

- KATT and 110 punch down tool
- Includes scissor cut off
- Built-in combination hook and blade
- Two tools in one head

IMPACT PUNCH DOWN TOOL TERMINAL BLOCK

Unit: EA Qty: 1



Part No. KPT4

- For use with K/110 style terminal block
- For use on K/110 style jacks and patch panels
- A very handy tool for the professional

PUNCH DOWN TOOLS

BELDEN PREMIUM 110 PUNCH DOWN TOOL

Unit: EA Qty: 1



Part No. BEL-AX100749

- 110 Punch tool cuts conductors with scissor-like action
- Minimal force required to terminate
- Suitable for 110 Jacks and Patch Panels
- RoHS compliant
- 'On/off' option for cutting action

LAN CABLE TERMINATION TOOL KITS

KITS

PROFESSIONAL LAN INSTALLER KIT

Unit: KIT Qty: 1



Part No. 06TK6

- A handy kit for all LAN installers
- Contains all tools required to terminate UTP or STP cable
- The punch down tool has both K and 110 style punches

CRIMPER & PLUG 468 TOOL KIT

Unit: KIT Qty: 1



Part No. 06TK2

- Professional ratchet crimp tool with wire stripping and cutting capability
- Crimp tool for RJ11, RJ12, RJ45 modular plugs
- Modular plugs included in the kit

LAN CABLE STRIPPERS

TOOLS

DATA WIRE STRIPPER 3.2-9.5MM O.D.

Unit: EA Qty: 1



Part No. KDAT

- Strips the outer jacket of UTP and STP cables
- Strips multi strand phone/data cables from 3.2 to 9.5mm OD
- Strips flat cables from 2 to 10 pair
- Strips building wire up to 6mm²

DISPOSABLE UTP STRIPPER

Unit: EA Qty: 1



Part No. KDAT1

- For stripping wire diameters from 5.0 to 6.2mm
- Low cost disposable
- User friendly, ergonomic design

DATA TOOLS

COAX AND CATV CABLE TERMINATION TOOL KITS

TERMINATION KITS

COAX CRIMPER STRIPPER CUTTER TOOL KIT

Unit: EA Qty: 1



Part No. 05TK1

- A COAX cable termination kit supplied in a handy case with crimp dies for most coax cables
- Includes KOAX2 stripping tool, K10 cable cutters and coax crimper
- Includes 5 sets of dies covering 23 sizes
- Dies are easily changed with the included screwdriver
- Can be used to crimp RG 58, 59, 6, 62, 140, 141, 142 and more

CABLE TV TERMINATION KIT

Unit: KIT Qty: 1



Part No. 06TVTK1

- A handy 3 piece kit containing the most common tools needed for CATV installation
- Ideal for terminating RG6 cables
- Contains professional crimper (Part No. RG6/11-CT)
- 3-Blade stripper (KOAX3) and cable cutter (K10)
- Supplied with a handy case

PROFESSIONAL COAXIAL KIT

Unit: KIT Qty: 1



Part No. 06TK7

- A handy 3 piece kit containing the most common tools needed for coax termination
- Ideal for terminating RG58, RG59 and RG6 cables
- Includes HX2 crimper, KOAX2 stripper and K10 cutter
- 2-step (2-blade) adjustable stripper
- K10 cutter cuts up to 10.5mm diameter cable

COAX TOOLS

COAX TOOLS

CRIMPER FOR RG58/59/6

Unit: EA Qty: 1



Part No. HX2

- Crimps RG6, RG58 and RG59/62
- Has position for crimping pin and shield to connector
- Hardened steel die
- Ratchet design

CABLE STRIPPER 2/2X 4.8 - 7.5

Unit: EA Qty: 1



Part No. KOAX1

- Ideal for common COAX cable type e.g. TV cable from 4.8 to 7.5mm diameter
- Strips without adjustment of the blade
- User friendly, ergonomic design

COAX 2 BLADE STRIPPER RG58/59

Unit: EA Qty: 1



Part No. KOAX2

- 2-step (2-blade) adjustable Coax stripper for RG58, 58, 6, 62 and 3,4 and 5 core cable
- Strip depth is easily adjusted with the included Allen key
- Strip length can also be adjusted by moving the blades
- Strip length is adjustable from 4-12mm

COAX 3 BLADE STRIPPER RG58/59

Unit: EA Qty: 1



Part No. KOAX3

- 3-step (3-blade) adjustable Coax stripper for RG58 and RG6
- Strip depth is easily adjusted with the included Allen key
- Strip length can also be adjusted by moving the blades
- Strip length is adjustable from 6-8mm

RG11 COAX STRIPPER

Unit: EA Qty: 1



Part No. RG11 STRIPPER

- 3-step (3-blade) adjustable Coax stripper for RG11 coax cable
- Strip depth is easily adjusted with the included Allen key
- Overall strip length is 12mm (4mm dielectric, 8mm shield)

COAX TOOLS

COMPRESSION TOOL BNC DB59 DB6

Unit: EA Qty: 1



Part No. BEL-CPLCRBC-BR

- Suits Belden BNC Compression Connectors for RG6 and RG59 COAX cables
- For use with BEL-DB59BNCBU, BEL-DB59BNCU and BEL-DB6BNCU
- User friendly, ergonomic design

CATV TOOLS

CATV CRIMPERS

CRIMPER FOR COMPRESSION CONNECTORS

Unit: EA Qty: 1



Part No. FCOMT

- Termination is accomplished in a single cyclic action providing a professional cost effective solution for F connector crimping
- To be used with compression type F Connector
- For use with 05FMCOQ6 connectors

RG6 CRIMPER

Unit: EA Qty: 1



Part No. RG6-CT

- Includes a ratchet for correct crimping
- Crimps RG6 F Connectors
- Used for cable TV applications

RG6 AND RG11 CRIMPER

Unit: EA Qty: 1



Part No. RG6/11-CT

- Includes a ratchet for correct crimping
- Crimps RG6 and RG11 F Connectors
- Has 3 crimp positions one for pin and two for outers
- Used for cable TV applications

DATA TOOLS

F CONNECTOR INSTALLATION TOOL

Unit: EA Qty: 1



Part No. T-TOOL

- One end enlarges the shield and insulation
- Other end is used to twist on the F Connector prior to crimping
- For use with RG59 and RG6 cable

SPLICE CRIMPERS

SPLICE CRIMPERS

TELECOMMUNICATIONS SPLICE CRIMPER

Unit: EA Qty: 1



Part No. TELSP2

- Designed to crimp telecommunications approved, moisture resistant connectors
- Crimps grease filled UR, UY and UG connectors
- Use parallel crimp action to ensure correct splicing

RJ CRIMPERS

RJ CRIMPERS

CRIMP TOOL SUIT RJ11 RJ12 RJ45

Unit: EA Qty: 1



Part No. 06CT468-1

- Crimps RJ11, RJ12 and RJ45
- Parallel crimping action for quality crimps
- Built-in ratchet to ensure crimp is complete before tool released
- Proven industry standard tool

CRIMP TOOL SUIT 4P4C 6P4C 6P6C DEC AMP

Unit: EA Qty: 1



Part No. 06CTA468

- Crimps RJ11, RJ12, RJ45 and DEC (10 Way)
- Built in ratchet ensures crimp is complete before tool is released
- Includes a cutter and outer sheath stripper
- Ergonomic handles

PREC.CRIMPER FOR RJ12/RJ45

Unit: EA Qty: 1



Part No. RJ1245

- Precision Crimper for RJ12 and RJ45 modular plugs
- Built in ratchet mechanism for reliable crimp results
- Ergonomic handles

PREC.CRIMPER FOR RJ11/RJ12

Unit: EA Qty: 1



Part No. RJ64

- Tool for 4 way (RJ11) and 6 way (RJ12) modular plugs
- Includes a cutter and outer sheath stripper
- User friendly, ergonomic design

PREC.CRIMPER FOR RJ12/RJ45

Unit: EA Qty: 1



Part No. RJ86

- Tool for 6 way (RJ12) and 8 way (RJ45) modular plugs
- Includes a cutter and outer sheath stripper
- User friendly, ergonomic design

DSUB INSERTION AND EXTRACTION TOOLS

DSUB TOOLS

D CONNECTOR INSERTION/EXTRACTION TOOL

Unit: EA Qty: 1



Part No. 01EXTINST

- Inserts and extracts - industry standard stamped and formed D contacts
- Simple and easy to use
- For use with 01CSF-C

DATA TOOLS

PC AND NOTEBOOK TOOL KITS

DATA TOOL KITS

PROKIT TOOL KIT 240V/METRIC

Unit: EA Qty: 1

Pro'sKit®



Part No. PK-15305BM

- Complete tool kit with a sturdy case for the PC technician
- All tools are demagnetised and of heavy-duty construction
- Includes pliers, cutters, wrench, soldering needs and more
- All properly secured in case

PROKIT NETWORK MAINTENANCE KIT

Unit: EA Qty: 1

Pro'sKit®



Part No. PK-2073B

- Designed specifically for servicing notebook computers
- Supplied in a flexible carry bag
- Includes a variety of tools

PROKIT PC SERVICE KIT

Unit: EA Qty: 1

Pro'sKit®



Part No. PK-2088B

- Supplied in a zip up folder containing essential tools for PC servicing
- Quality high end tools
- Long nose plier
- Soldering iron and much more

LANsmart™ TDR Wire Mapping Tester

LANsmart™ TDR (Time Domain Reflectometer) is a hand held, digital multifunction Network Cable Tester and Cable Length Meter.

It incorporates a tone generator and auto negotiation Port Finder, with a LCD display of the results. It identifies most common cable wiring faults including split pairs.

It will accurately measure the cable length and locate problems from either end of the cable.

- Incorporates TDR (Time Domain Reflectometers) technology to measure cable length up to 500m
- Tests for shorts, opens, miss-wires, reversals, split pairs and shield continuity
- Incorporates a port finder function to locate the corresponding sockets on the hub or switch, by making the light on the switch blink
- Measures the length of UTP and STP without remotes
- Has velocity of propagation adjustable calibration for non standard cables to increase measuring accuracy
- Built-in tone generator can be used with most commercially available probes
- Tone generator sends to either all or selected pins
- Test results displayed in pin-to-pin wire map format
- Compatible with any twisted pair CAT3/4/5 and CAT6 cables
- Battery operated, compact and easy to use
- Will measure lengths of cable spools

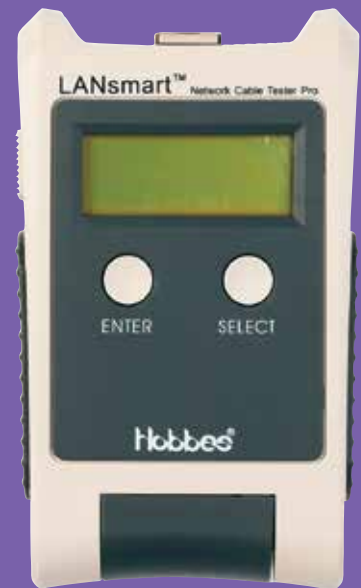
Specifications

Display	122 x 32 Dot matrix LCD (56 x 29mm)
Connector Type	RJ45 on Main and Remote
Accuracy	± 2m less than 10m ± 5% over 10m
Approx Range	500m
Split Pair Detection	1m
Tone Generator	1KHz
Operating Temp.	0 to 50°C
Weight	Main unit 130g - Remote 15g
Dimensions	82 x 138 x 32mm
Power	3 x 1.5V AAA Batteries
Battery Life	Approx 4 hours



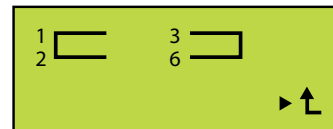
Accessories

- One concealed remote
- One patch cable RJ45 to alligator clips
- One carrying case

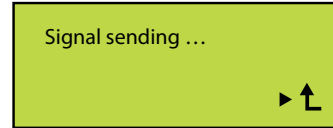


Part No. 256003

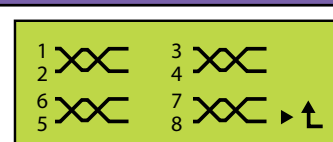
Sample display layout



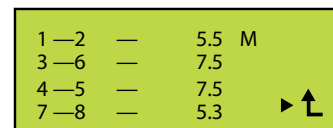
1-2 shorted locate on main unit side and 3-4 shorted locate on the remote side



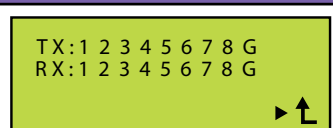
Portfinder sending a negotiation signal



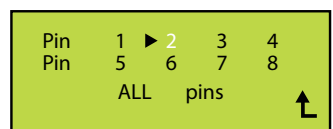
Display of the twisted pair map



Display of the 4 pairs wire length



Display of the Wiremapping



Display of Tone Generator select menu

DATA TOOLS

LAN TOOLS AND TESTING EQUIPMENT

LAN TESTERS

LANSMART TDR WIRE MAPPING TESTER

Unit: EA Qty: 1



Part No. 256003

- Time Domain Reflectometer (TDR) - a handheld, digital multifunction network cable tester and cable length meter
- Tests for Shorts, miss-wiring, split pairs and shield continuity
- Measures the length of UTP and STP cables without remotes
- Test results displayed in pin-to-pin wire map format
- Compatible with any twisted pair Category cable

NETFINDER TESTER TONEGENERATOR PORT FIND

Unit: EA Qty: 1



Part No. 256553

- Advanced port finder function - switch light to blinks allowing a cable trace back to the switch
- Combines all-in-one Tester, Tone Generator and Port Finder
- Local loop-back test for open, shorts and miss-wiring
- Compatible with most cable tracers on the market
- DO NOT USE ON A LIVE CIRCUIT

NETFINDER PRO W/ PATCH PANEL ORGANISER

Unit: EA Qty: 1



Part No. 256555

- All-in-one tester: Cable tester, Tone generator Port-finder and cable organizer
- Includes 18 remotes IDs for organizing up to 18 cables locations
- Local loop-back test for open, shorts and miss-wiring
- Remote terminator for testing pre-installed cables
- DO NOT USE ON A LIVE CIRCUIT

SMARTEST COMPACT CABLE NETWORK TESTER

Unit: EA Qty: 1



Part No. 256653T

- The most unique and intelligent Pen Style pocket sized tester on the market
- Unique split apart function remote and tester can be one/split
- LED indicators and built-in tone generator
- Tests for shorts, opens, crossed pairs, reversal, and split pairs
- DO NOT USE ON A LIVE CIRCUIT

NETWORK DIAGNOSTIC TOOL

Unit: EA Qty: 1



Part No. 256655

- An ideal tool for network installers and trouble shooters working on small LANs
- Ideal for testing switches and NIC cards
- Auto-negotiation function tests the LAN devices speed up to 100MB
- Port-finder function sends signal to switch to identify the port

LAN TESTER 10BASET 10BASE2 BNC/RJ

Unit: EA Qty: 1



Part No. 35RJST8

- Primary use is for testing continuity, shorts and open circuits, individual cables and pairs of UTP or STP
- Remote display unit allows for viewing at either end
- Displays pairs and crossed pairs
- Includes LEDs for each wire ensuring easy pin configuration

IDEAL LAN TESTERS

VDV MULTIMEDIA CABLE TESTER KIT

Unit: EA Qty: 1



Part No. 33-856

- Easy-to-use test tool for Voice, Data and Video (VDV) applications
- Test for opens, shorts, mis-wires, reversals and split pairs
- Indicates correct wiremap to T568A/B standards
- Supports RJ11/12, RJ45 and coax F-Connector interfaces
- Multi-tone support for cable tracing and fault isolation

BUTT TESTERS

BUTT TESTERS

LINEMANS TEST PHONE

Unit: EA Qty: 1



Part No. TP-9000

- DTMF Keypad
- Last number redial (32 digits max.)
- 10 number memory (24 digits max.)
- 3 position volume switch

LEAD SET FOR TP-9000 LINEMANS TEST PHONE

Unit: EA Qty: 1



Part No. LEAD-TP9000

- Replacement lead set for Part No. TP-9000

TONE GENERATORS

TONE GENERATORS

TONE GENERATOR & PROBE KIT

Unit: EA Qty: 1



Part No. 256713F

- High quality unit with a special filter circuit to reduce interference from the background, including body static
- Special inductive plastic tip which prevents accidental shorts
- Adjustable volume level for various work environments
- Traces and identifies wires or cable in a bundle
- Works with any tone generator in the market

WI FI TESTERS

WIFI TESTERS

DIGITAL HOTSPOTTER

Unit: EA Qty: 1



Part No. WL-F601

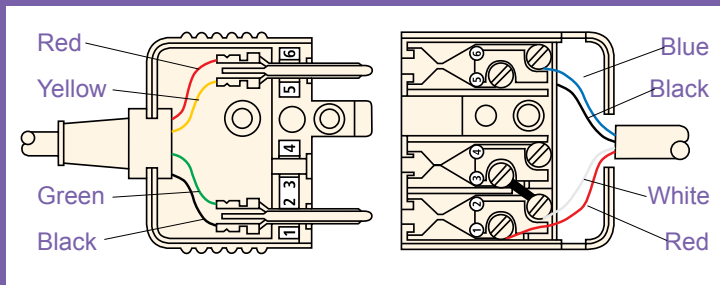
- Provides specific information about each network when there are multiple networks
- Provides channel information (1 to 13)
- Shows signal availability 802.11b and 802.11g
- Detects encryption (WEP and WPA) range 60m

CONNECTORS

600 Series Plugs and Sockets

The 600 series plugs and sockets are used to connect the incoming telephone line from the street to a telephone inside the premises.

The 600 series plugs and sockets are available in different designs and configurations to suit most applications.



Cable Colour Coding		
Pair	Tip (L+)	Ring (L-)
1	White	Blue
2	Red	Black
3	Orange	Green

RJ CONNECTORS

RJ11/RJ12 ROUND STRANDED



- Modular RJ plug for voice applications
- High quality pin with 50um gold plating
- Low contact resistance
- ACA approved



Part No.	Description	Unit	Qty
0644RST-X	PLUG ROUND STRANDED RJ11 4P4C 10PK	EA	1
0644RST-C	PLUG ROUND STRANDED RJ11 4P4C 100PK	EA	1
0664RST-X	PLUG ROUND STRANDED RJ12 6P4C 10PK	EA	1
0664RST-C	PLUG ROUND STRANDED RJ12 6P4C 100PK	EA	1
0666RST-X	PLUG ROUND STRANDED RJ12 6P6C 10PK	EA	1
0666RST-C	PLUG ROUND STRANDED RJ12 6P6C 100PK	EA	1

RJ11/RJ12 ROUND SOLID



- Modular RJ plug for voice applications
- High quality pin with 50um gold plating
- Low contact resistance
- ACA approved



Part No.	Description	Unit	Qty
0644RSL-X	PLUG ROUND SOLID RJ11 4P4C 10PK	EA	1
0644RSL-C	PLUG ROUND SOLID RJ11 4P4C 100PK	EA	1
0664RSL-X	PLUG ROUND SOLID RJ12 6P4C 10PK	EA	1
0664RSL-C	PLUG ROUND SOLID RJ12 6P4C 100PK	EA	1
0666RSL-X	PLUG ROUND SOLID RJ12 6P6C 10PK	EA	1
0666RSL-C	PLUG ROUND SOLID RJ12 6P6C 100PK	EA	1

RJ11/RJ12 FLAT STRANDED

- Modular RJ plug for voice applications
- High quality pin with 50um gold plating
- Low contact resistance
- ACA approved



Part No.	Description	Unit	Qty
0644FST-X	PLUG FLAT STRANDED RJ11 4P4C 10PK	EA	1
0644FST-C	PLUG FLAT STRANDED RJ11 4P4C 100PK	EA	1
0664FST-X	PLUG FLAT STRANDED RJ12 6P4C 10PK	EA	1
0664FST-C	PLUG FLAT STRANDED RJ12 6P4C 100PK	EA	1
0666FST-X	PLUG FLAT STRANDED RJ12 6P6C 10PK	EA	1
0666FST-C	PLUG FLAT STRANDED RJ12 6P6C 100PK	EA	1

CAT5E ROUND STRANDED

- Modular RJ plug for data applications
- High quality pin with 50um gold plating
- Low contact resistance
- ACA approved



Part No.	Description	Unit	Qty
0688RST-X	PLUG ROUND STRANDED RJ45 8P8C 10PK	EA	1
0688RST-C	PLUG ROUND STRANDED RJ45 8P8C 100PK	EA	1
0688RST-J	PLUG ROUND STRANDED RJ45 8P8C 100PK JAR	EA	1
06882RST-X	PLUG ROUND STRANDED 8P8C 2 PIECE 10PK	EA	1
0688RSST-X	PLUG ROUND STRANDED 8P8C SHIELDED 10PK	EA	1

CAT5E ROUND SOLID

- Modular RJ plug for data applications
- High quality pin with 50um gold plating
- Low contact resistance
- ACA approved



Part No.	Description	Unit	Qty
0688RSL-X	PLUG ROUND SOLID RJ45 8P8C 10PK	EA	1
0688RSL-C	PLUG ROUND SOLID RJ45 8P8C 100PK	EA	1
0688RSL-J	PLUG ROUND SOLID RJ45 8P8C 100PK JAR	EA	1
0688RSSL-X	PLUG ROUND SOLID 8P8C SHIELDED 10PK	EA	1

CONNECTORS

CAT5E FLAT STRANDED



- Modular RJ plug for data applications
- High quality pin with 50um gold plating
- Low contact resistance
- ACA approved



Part No.	Description	Unit	Qty
0688FST-X	PLUG FLAT STRANDED RJ45 8P8C 10PK	EA	1
0688FST-C	PLUG FLAT STRANDED RJ45 8P8C 100PK	EA	1
0688FST-J	PLUG FLAT STRANDED RJ45 8P8C 100PK JAR	EA	1

CAT6 UNSHIELDED



- Unshielded Modular RJ45 Plug with 50um gold plated pins for solid or stranded Cat6 cable
- Conductor O.D. range: 1.09mm to 1.15mm
- Low contact resistance
- Pack of 10



Part No.	Description	Unit	Qty
C68P8CUS2P-X	PLUG CAT6 8P8C UNSHIELDED 2 PIECE 10PK	EA	1
C68P8CUS2P-L	PLUG CAT6 8P8C UNSHIELDED 2 PIECE 50PK	EA	1
C68P8CUS1PBULK	PLUG CAT6 8P8C UNSHIELDED 1PC 1000PK	EA	1

CAT6 SHIELDED



- Modular RJ plug for CAT6 data applications - conductor O.D. range: 1.09mm to 1.15mm
- High quality pin with 50um gold plating
- Low contact resistance
- Pack of 10



Part No.	Description	Unit	Qty
C68P8CS2P-X	PLUG CAT6 8P8C SHIELDED 2 PIECE 10PK	EA	1
C68P8CS2P-L	PLUG CAT6 8P8C SHIELDED 2 PIECE 50PK	EA	1

CAT6 CAT6A

PLUG CAT6/CAT6A RJ45 IP20 RUG. METAL

Unit: EA Qty: 1

Part No. BEL-R301601

- Cat6A/6/5e Ruggedised RJ45 Plug Kit UTP/STP T568A, suitable for use in IP20 unsealed installations
- Conductor OD 0.84-1.60mm
- IDC style block allows for quick and easy field termination
- ANSI/TIA/EIA-568-C.2, Ethernet/IP Specification, UL1863



TELEPHONE SOCKETS, ADAPTORS, LEADS AND ADSL SPLITTER

ADSL FILTERS AND SPLITTERS

SPLITTER FILTER ADSL2+

Unit: EA Qty: 1

Part No. ADSL0042PL

- Recommended for premises that have three or more phone lines installed
- One filter for the whole house
- Works with ADSL 2+
- High quality low pass filter with optimum performance



SPLITTER FILTER INLINE ADSL2+

Unit: EA Qty: 1



Part No. ADSL0082PL

- Split ADSL into one filtered RJ12 socket for phone and one non filtered for ADSL2+
- Telstra listed
- Compatible with Mode-3 connection
- Compatible with all popular handsets

SPLITTER FILTER WALL PLATE ADSL2+

Unit: EA Qty: 1



Part No. ADSL0182PL

- ADSL2+ Standards phone filtering
- Telstra listed
- Compliant to AS/ACIF S041:2005, conforms to RCIT.004
- Meets ETSI TS 101 952-1-5 Option A

SPLITTER FILTER REMOTE ADSL LARGE

Unit: EA Qty: 1



Part No. C10100E

- Remote splitter/filter for use at a central location (outdoors IP54) within Customer premises
- Has a 3 port IDC termination for line, modem and phone
- G.dmt, G.Lite, ADSL, ADSL2, ADSL2+ compatible
- No distribution (inline) filters are required
- H 58.4mm X W 97.5mm X L 156.4mm

SPLITTER FILTER REMOTE ADSL SMALL

Unit: EA Qty: 1



Part No. C10100P

- Remote splitter/filter for use at a central location within customer premises (indoor use)
- Has a 4 port IDC termination for line, modem and 2x phones
- G.dmt, G.Lite, ADSL, ADSL2, ADSL2+, VDSL compatible
- No distribution (inline) filters are required
- H 25.5mm X W 44mm X L 90 mm

PLUGS AND SOCKETS

PLUG TELEPHONE 605

Unit: EA Qty: 1



Part No. 40605P

- Requires crimp lugs to terminate
- Standard telephone plug
- Colour: Beige

SOCKET STANDARD WALL 610

Unit: KIT Qty: 1



Part No. 40610S-1

- 610 standard wall mount socket
- Suitable for wall mount
- Colour: Beige

CONNECTORS

SOCKET TELEPHONE WALL MOUNT 611

Unit: EA Qty: 1



Part No. 40611S

- 611 - Special 610 Locking socket for 605 plug
- Suitable for wall mount
- Colour: Beige

ADAPTORS AND COUPLERS

ADAPTOR 605 RJ12

Unit: EA Qty: 1



Part No. 406605P

- Telephone adaptor plug
- RJ12 to Australian telephone plug
- Colour: Beige

ADAPTOR 605 RJ45 8P4C

Unit: EA Qty: 1



Part No. 408605P

- Telephone adaptor plug
- RJ45 to Australian telephone plug
- Colour: Beige

ADAPTOR 605 RJ11/ 610

Unit: EA Qty: 1



Part No. 40AD61RJ12

- Double adaptor uses all six conductors and allows dual access to one line
- Connects answering machine, fax, extension phone or modem
- RJ12 socket and 610 socket to 605 plug
- Colour: Beige

ADAPTOR DOUBLE 605

Unit: EA Qty: 1



Part No. 40ADAPTD

- Double adaptor - uses all six conductors and allows dual access to one line
- Connects answering machine, fax, extension phone or modem
- 2x 610 socket to 605 plug
- Colour: Beige

COUPLER RJ45 F-F

Unit: EA Qty: 1



Part No. 40C88FF11

- Connect multiple line cords
- All RJ45 pinned one to one
- Female to female adaptor
- Colour: Beige

COUPLER RJ45 T ADAPTOR F-F-F

Unit: EA Qty: 1



Part No. 40C88FFF11

- Connect multiple line cords
- All RJ45 pinned one to one
- Female to female adaptor
- One to two connection

COUPLER RJ45 T ADAPTOR M-F-F

Unit: EA Qty: 1



Part No. 40C88MFF11

- Connect multiple line cords
- All RJ45 pinned one to one
- Male to female adaptor
- One to two connection

COUPLER RJ12 F-F ADAPTOR

Unit: EA Qty: 1



Part No. 40RJ12FF

- Connect multiple line cords
- All RJ12 pinned one to one
- Female to female adaptor
- Colour: Beige

COUPLER RJ12 T F-F-F ADAPTOR

Unit: EA Qty: 1



Part No. 40RJ12FFF

- Connect multiple line cords
- All RJ12 pinned one to one
- Female to female adaptor
- One to two connection

CONNECTORS

COUPLER RJ12 T M-F-F ADAPTOR

Unit: EA Qty: 1



Part No. 40RJ12MFF

- Connect multiple line cords
- All RJ12 pinned one to one
- Male to female adaptor
- One to two connection

ADAPTOR 610 RJ12

Unit: EA Qty: 1



Part No. 40RJ6610S

- Telephone adaptor socket
- Modular plug to Australian telephone socket
- Colour: Beige

WALL PLATES AND SMB

SURFACE MOUNTING BOX RJ12

Unit: EA Qty: 1



Part No. 40RJ12SMB6

- RJ12 6P6C socket
- Screw termination for telephone leads
- Used on skirting board
- A-tick compliant

WALL PLATE MODULAR RJ12

Unit: EA Qty: 1



Part No. 40RJ12WP

- Mount telephone to the wall
- Supplied with 20cm RJ12 6P4C lead
- Supplied with double sided tape
- A-tick compliant

EXTENSION LEADS RJ12-RJ12



- Patch lead for telephones - RJ12 to RJ12
- Easy telephone extension. Hang Sell packaging

Part No.	Description	Unit	Qty
40LDRJ123	LEAD MODULAR RJ12 TO RJ12 4 CORE 3M	EA	1
40LDRJ125	LEAD MODULAR RJ12 TO RJ12 4 CORE 5M	EA	1
40LDRJ1210	LEAD MODULAR RJ12 TO RJ12 4 CORE 10M	EA	1
40LDRJ1215	LEAD MODULAR RJ12 TO RJ12 4 CORE 15M	EA	1

EXTENSION LEADS RJ45-RJ12



- Patch lead for telephones
- Easy telephone extension
- 8P8C (RJ45) to 6P4C (RJ12) Connectors

Part No.	Description	Unit	Qty
47C3C863	PATCH LEAD CAT3 RJ45-RJ12 3M	KIT	1
47C3C865	PATCH LEAD CAT3 RJ45-RJ12 5M	KIT	1

MODULAR CABLE

CABLE MODULAR 4 WIRE BLACK

Unit: ROL Qty: 100



- Part No. 59MOD4IDCB**
- Modular cable with PVC Jacket
 - 28AWG multi-stranded
 - 4 way cable
 - Colour: Black Length: 100m

CABLE MODULAR



- Modular cable with PVC Jacket
- 28AWG multi-stranded
- 4 way cable
- Colour: Ivory
- Length: 100m

Part No.	Description	Unit	Qty
59MOD4IDCI	CABLE MODULAR 4 WAY IVORY	ROL	100
59MOD6IDCI	CABLE MODULAR 6 WAY IVORY	ROL	100
59MOD8IDCI	CABLE MODULAR 8 WAY IVORY	ROL	100

MISCELLANEOUS

LINE ISOLATION UNIT

Unit: EA Qty: 1



- Part No. 40LIU**
- For use with music on hold systems
 - Connect to audio source
 - Comes with multiple conversion cord and connectors

CONNECTORS

F STYLE CONNECTORS

F STYLE RG6 CONNECTORS



- Professional RG6 connectors for crimp tool
- F connector for RG6 and RG6 Quad cables
- Pack of 10

Part No.	Description	Unit	Qty
05FMCR6-X	PLUG F CRIMP RG6 10PK	EA	1
05FMCR6-C	PLUG F CRIMP FOXAP 100PK	EA	1

CONNECT BNC COMP 75OHM RG6 1.01-1.06MM

Unit: BAG Qty: 25



Part No. BEL-DB6BNCU

- True 75 Ohm connector for CCTV and HDTV video
- Fits most coax cables
- Quick and easy termination
- Internal 360 degree compression rings

BNC CONNECTORS

BNC CONNECTORS



- True 75 Ohm connector for CCTV and HDTV video
- Fits most coax cables
- Quick and easy termination
- Internal 360 degree compression rings

Part No.	Description	Unit	Qty
BEL-DB59BNCBU	BNC 1PCE COMPRESS 75OHM RG59 0.54-0.60MM	BAG	25
BEL-DB59BNCU	CONNECT BNC COMP 75OHM RG59 0.81-0.86MM	BAG	25

CONNECTORS

CONNECTOR BNC MALE CRIMP RG58 W/PINS

Unit: EA Qty: 1



Part No. 05BNCM58

- Impedance matched to 50 ohm cable
- Brass and nickel plated
- Contacts are gold plated
- Crimp type connector

PAL CONNECTORS

PAL CONNECTORS

SOCKET CRIMP FOXAP RG6 PAL IEC 5PK

Unit: EA Qty: 1

Part No. 05PFCR6-V

- RG6 crimp style PAL connector
- Made from quality brass and nickel plated
- Socket Connector
- Pack of 5



PLUG CRIMP FOXAP RG6U PAL IEC 5PK

Unit: EA Qty: 1

Part No. 05PMCR6-V

- RG6 crimp style PAL connector
- Plug connector
- Made from quality brass and nickel plated
- Pack of 5



CABAC OPEN SYSTEMS WARRANTY

Many structured cabling projects require a systems warranty and until now only certified installers of the major cabling system manufacturers could offer these. Now any ACMA registered cabler can offer an economical “mix and match” system backed up by CABAC’s Standards based 25 year Structured Cabling System (SCS) warranty. In true open systems tradition, any verified cable may be used with the CABAC’s range of UL verified jacks and patch panels. The CABAC warranty program doesn’t have any onerous pre-requirements such as certified installer agreements or compulsory training courses that are a feature of other programs.



What is CABAC SCS warranty?

CABAC SCS is a full replacement, 25-year Standards based warranty covering components, link performance and applications support.

The warranty can be offered for any size of project by any ACMA registered cabler for links comprising solely with CABAC’s range of jacks and patch panels and any manufacturers verified cable.

What is CABAC’s commitment under the warranty program?

In the event of a valid claim by the end-user CABAC will provide replacement products to the cabler and pay the reasonable costs of their reinstallation on the following provisos:

- The cable used in the link is compliant with the requirements of the edition of AS/NZS 3080 current at the effective date of the warranty
- The declaration made by the cabler on the warranty application form was true

Here’s just a few beneficiaries of CABAC Warranty who care about the quality of their work and reputation, and want you all to know about it:

- **Mighty River Power**, a major renewable energy provider in Auckland NZ, had a mighty 147 outlets installed by Team Cabling Ltd. It’s all covered by our 20 year warranty, so that’s a lot of cabling that they can count on for a lot of years.
- **Interface Flor**, a commercial flooring manufacturer, has the assurance of our Open Systems Warranty thanks to the good work of Joycomm. Their work has passed rigorous testing to qualify it for replacement, if required, for a full 20 years.
- **The BH Corporation** has really looked after the Wollongong Council by complying to the CABAC Warranty criteria with their work on the Wollongong City Gallery and the IPAC theatre. They can rest easy knowing that their sites are safe for staff and the public.



Wiring Standards and Connections

Ethernet Cabling UTP

Unshielded Twisted Pair (UTP) cable is used for most cable installations in Australia. The most common layout is called a Star Topology, where individual UTP wires are connected in a star format back to a central switch. Shielded Twisted Pair (STP) is infrequently used, because UTP will work in most environments.

Both UTP and STP are available in solid and stranded core. It is important to apply the correct cable as performance of both varies. The rule applied to a segment of 100m is a maximum of 90m solid LAN cable and 10m of patch.

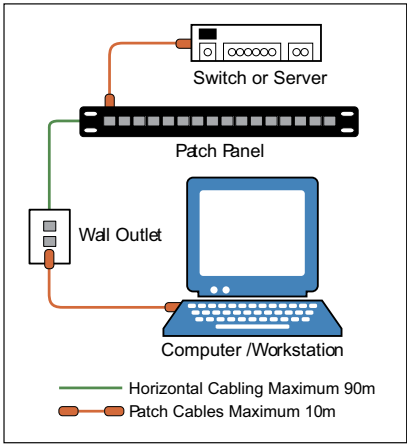
Which Cable should I use?

LAN Cable

Solid core between wall plate and patch panels, max 90m.

Patch Cable

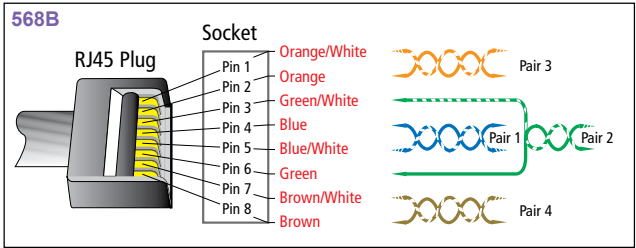
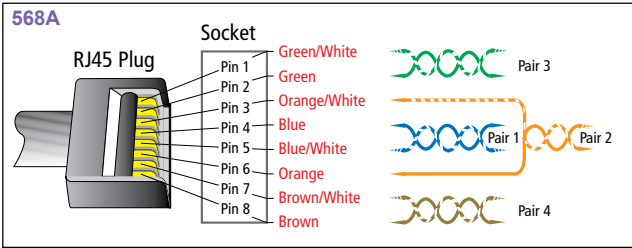
Stranded core patching between your wall plate and PC or on the patch panel itself, max 10m.



UTP and STP Pin Assignment

UTP and STP cable is made up of four pairs of wires that are twisted in a very special way, to maintain correct signal propagation and minimise cross talk. The pairs are made up of one solid coloured wire and one white/colour stripe.

There are two international connection standards known as 568A and 568B. Australia uses the 568A standard for the most part. Standard Ethernet is transmitted over two pairs using pins 1,2,3,6 on a RJ45 connector.

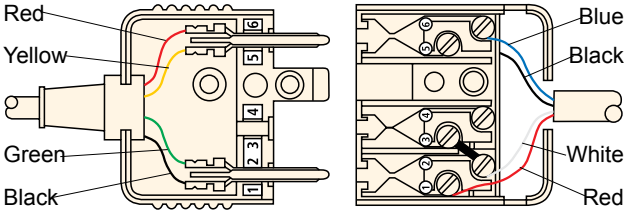
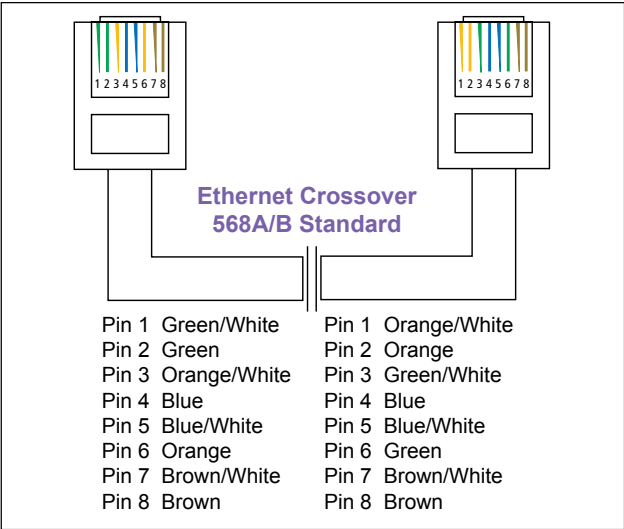


Cross Over Leads

Cross overs leads are used to create uplinks between switching devices, typically switches, or in peer to peer (computer to computer) networking.

Phone Wiring

605 Plug / 610 Socket



Cable Colour Coding

Pair	Tip (L+)	Ring (L-)
1	White	Blue
2	Red	Black
3	Orange	Green

NETWORK CABLING

TELCO - VOICE DISCONNECT MODULES AND FRAMES

TELCO MODULES

DISCONNECT MODULE 10PR WHITE

Unit: PAK Qty: 10



Part No. DMP10

- Disconnect module for 10 incoming and 10 out going pairs
- Disconnection contact used for opening the circuit
- KATT style terminations
- Pairs numbered 1 to 10

DISCON. MODULE PROFILE BKT 10PR 10PK

Unit: EA Qty: 1



Part No. PDMP10-PK

- Designed for CAT3 telecommunications connections
- Disconnect module for 10 incoming and 10 outgoing pairs
- Pairs numbered 1 to 10
- Pack of 10

DISCON. MODULE PROFILE BKT 10PR

Unit: EA Qty: 1



Part No. PDMP10

- Designed for CAT3 telecommunications connections
- Disconnect module for 10 incoming and 10 outgoing pairs
- Pairs numbered 1 to 10
- Disconnect contact used for opening the circuit

LABEL HOLDER S-NET HINGED

Unit: EA Qty: 1



Part No. HLBH

- Label holder useful for holding individual module labels
- Hinged to allow easy access for jumper
- Allows access for patching and testing
- Snaps onto module face

TELCO FRAMES AND BRACKETS

FINAL DISTRIBUTION POINT 20PR

Unit: EA Qty: 1



Part No. FDP

- 20-pair Final distribution point for use beyond the network boundary - up to 30 pair capacity
- Includes 2x DMP10 10 pair modules with room for 1 more
- Shallow lid does not allow overvoltage protection magazines
- KATT style terminations

MAIN DISTRIBUTION FRAME 20PR

Unit: EA Qty: 1



Part No. MDF

- 20-pair Main Distribution Frame for internal use beyond the network boundary - up to 30 pair capacity
- Includes 2x DMP10 10 pair modules with room for 1 more
- Shallow lid does not allow overvoltage protection magazines
- KATT style terminations

PROFILE FRAME JUMPERABLE 11 WAY

Unit: EA Qty: 1



Part No. PBM11W

- 100 pair frame for internal use as a Campus Distributor, Building Distributor or Floor Distributor at or beyond the network boundary
- For mounting of SERIES 2 or HIGHBAND ten pair modules
- Typically one label holder is used every 100 pairs
- Length: 365mm



PROFILE FRAME JUMPERABLE 27 WAY

Unit: EA Qty: 1



Part No. PBM27W

- 250 pair frame for internal use as a Campus Distributor, Building Distributor or Floor Distributor at or beyond the network boundary
- For mounting of SERIES 2 or HIGHBAND ten pair modules
- Typically one label holder is used every 100 pairs
- Length: 715mm



BACKMOUNT FRAME JUMPABLE



- Provides adequate depth for over-voltage protection magazines or test cords fitted into the modules
- Frame covers to suit 11 way and 27 way distribution frames
- Provision for records book storage
- Supplied with a lock and key



Part No.	Description	Unit	Qty
FC11	BACKMOUNT FRAME JUMPABLE 11 WAY COVER	EA	1
FC27	BACKMOUNT FRAME JUMPABLE 27 WAY COVER	EA	1

TELCO JUMPABLE BACK MOUNTS



- Frames for internal use as a Campus Distributor, Building Distributor or Floor Distributor at or beyond the network boundary
- Metal frame
- For mounting S-Net modules



Part No.	Description	Unit	Qty
DMFBM11	BACKMOUNT FRAME JUMPABLE 11 WAY	EA	1
DMFBM27	BACKMOUNT FRAME JUMPABLE 27 WAY	EA	1

BACKMOUNT FRAME 19 INCH RECESSED

Unit: EA Qty: 1



Part No. DMFBM15R

- Back mount frame for 19 inch rack mounting
- For mounting S-Net modules
- Recessed to allow better clearance of rack door
- 15 Back mount module attachment points - 140 Pairs

NETWORK CABLING

TELCO BACK MOUNT FRAMES



- Frames for internal use as a Campus Distributor, Building Distributor or Floor Distributor at or beyond the network boundary
- Metal frame
- For mounting S-Net modules



Part No.	Description	Unit	Qty
DMF2	BACKMOUNT FRAME 2 WAY 50MM DEEP	EA	1
DMF3	BACKMOUNT FRAME 3 WAY 50MM DEEP	EA	1
DMF4	BACKMOUNT FRAME 4 WAY 50MM DEEP	EA	1
DMF6	BACKMOUNT FRAME 6 WAY 50MM DEEP	EA	1
DMF11	BACKMOUNT FRAME 11 WAY 50MM DEEP	EA	1

TELCO PANELS

PATCH PANEL TELCO 19 INCH 1RU 50 PORT

Unit: EA Qty: 1



Part No. PP50TELCO

- 8 Position 4 Contact - Australian Standard Carrier Telephone connection
- Used for patching voice networks
- A-tick compliant
- Supplied with cagenuts and screws

TELCO CONNECTION BOXES INTERNAL



- For internal use - standard Back mount frame included
- Fits standard S-Net Back mount module
- Disconnect modules sold separately

Part No.	Description	Unit	Qty
CB3	CONNECTION BOX CABOX 3 MODULE 30PR	EA	1
CB5	CONNECTION BOX CABOX 5 MODULE 50PR	EA	1
CB10	CONNECTION BOX CABOX 10 MODULE 100PR	EA	1

TELCO CONNECTION BOXES EXTERNAL



- Robust design with internal seal strip
- For external use - IP56
- Supplied with glands to seal cable outlets
- Disconnect modules sold separately

Part No.	Description	Unit	Qty
UB3	CONNECTION BOX CABOX EXT 3 MODULE 30PR	EA	1
UB5	CONNECTION BOX CABOX EXT 5 MODULE 50PR	EA	1
UB10	CONNECTION BOX CABOX EXT 10 MODULE 100PR	EA	1

TELCO ARRESTORS

ARRESTOR 3 POLE 10PK

Unit: PAK Qty: 10



Part No. ARR230V

- S-Net back mount arrester magazine holds up to ten 3-pole arrestors for 3-point protection on S-Net modules
- For loading in arrester magazine
- Unloaded magazine sold separately

ARRESTOR MAGAZINE MOUNT 10 PAIRS

Unit: EA Qty: 1



Part No. AM3

- S-Net back mount arrestor magazine holds up to ten 3-pole arrestors for 3-point protection on S-Net modules
- For mounting on back mount frames
- Unloaded (arrestors sold separately)

TELCO PLUGS AND CORDS

DISCONNECTION PLUG S-NET

Unit: EA Qty: 1



Part No. RDCP

- Inserted into a module to disconnect the contacts or break the circuit
- Used with S-Net disconnection modules
- Colour: Red

CORD TEST



- Used for testing and monitoring a circuit on S-Net modules
- Will not break the circuit
- Length: 3M

Part No.	Description	Unit	Qty
TC4	CORD TEST AND PATCH 4 POLE	EA	1

CAT5E PATCH LEADS

CAT5E PATCH LEAD BLACK



- CAT5e patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- Snag-less connectors reduce accidental unplugging
- RCM/A-Tick Compliant
- Colour: Black



Part No.	Description	Unit	Qty
PL5EBK0.5	PATCH LEAD CAT5E BLACK 0.5M	EA	1
PL5EBK0.75	PATCH LEAD CAT5E BLACK 0.75M	EA	1
PL5EBK1	PATCH LEAD CAT5E BLACK 1M	EA	1
PL5EBK1.5	PATCH LEAD CAT5E BLACK 1.5M	EA	1
PL5EBK2	PATCH LEAD CAT5E BLACK 2M	EA	1
PL5EBK3	PATCH LEAD CAT5E BLACK 3M	EA	1
PL5EBK5	PATCH LEAD CAT5E BLACK 5M	EA	1
PL5EBK10	PATCH LEAD CAT5E BLACK 10M	EA	1
PL5EBK20	PATCH LEAD CAT5E BLACK 20M	EA	1
PL5EBK30	PATCH LEAD CAT5E BLACK 30M	EA	1
PL5EBK50	PATCH LEAD CAT5E BLACK 50M	EA	1

NETWORK CABLING

CAT5E PATCH LEAD BLUE



- CAT5e patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- Snag-less connectors reduce accidental unplugging
- RCM/A-Tick Compliant
- Colour: Blue



Part No.	Description	Unit	Qty
PL5EBL0.3	PATCH LEAD CAT5E BLUE 0.3M	EA	1
PL5EBL0.5	PATCH LEAD CAT5E BLUE 0.5M	EA	1
PL5EBL1	PATCH LEAD CAT5E BLUE 1M	EA	1
PL5EBL1.5	PATCH LEAD CAT5E BLUE 1.5M	EA	1
PL5EBL2	PATCH LEAD CAT5E BLUE 2M	EA	1
PL5EBL3	PATCH LEAD CAT5E BLUE 3M	EA	1
PL5EBL5	PATCH LEAD CAT5E BLUE 5M	EA	1
PL5EBL10	PATCH LEAD CAT5E BLUE 10M	EA	1
PL5EBL20	PATCH LEAD CAT5E BLUE 20M	EA	1
PL5EBL30	PATCH LEAD CAT5E BLUE 30M	EA	1
PL5EBL50	PATCH LEAD CAT5E BLUE 50M	EA	1

CAT5E PATCH LEAD YELLOW



- CAT5e patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- Snag-less connectors reduce accidental unplugging
- RCM/A-Tick Compliant
- Colour: Yellow



Part No.	Description	Unit	Qty
PL5EYL0.5	PATCH LEAD CAT5E YELLOW 0.5M	EA	1
PL5EYL1	PATCH LEAD CAT5E YELLOW 1M	EA	1
PL5EYL1.5	PATCH LEAD CAT5E YELLOW 1.5M	EA	1
PL5EYL2	PATCH LEAD CAT5E YELLOW 2M	EA	1
PL5EYL3	PATCH LEAD CAT5E YELLOW 3M	EA	1
PL5EYL5	PATCH LEAD CAT5E YELLOW 5M	EA	1
PL5EYL10	PATCH LEAD CAT5E YELLOW 10M	EA	1

CAT6 PATCH LEADS

CAT6 PATCH LEAD BLACK



- CAT6 patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- Snag-less connectors reduce accidental un-plugging
- RCM/A-Tick Compliant
- Colour: Black



Part No.	Description	Unit	Qty
PLC6BK0.5	PATCH LEAD CAT6 BLACK 0.5M	EA	1
PLC6BK1	PATCH LEAD CAT6 BLACK 1M	EA	1
PLC6BK1.5	PATCH LEAD CAT6 BLACK 1.5M	EA	1
PLC6BK2	PATCH LEAD CAT6 BLACK 2M	EA	1
PLC6BK3	PATCH LEAD CAT6 BLACK 3M	EA	1
PLC6BK5	PATCH LEAD CAT6 BLACK 5M	EA	1
PLC6BK10	PATCH LEAD CAT6 BLACK 10M	EA	1
PLC6BK20	PATCH LEAD CAT6 BLACK 20M	EA	1

CAT6 PATCH LEAD BLUE



- CAT6 patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- Snag-less connectors reduce accidental un-plugging
- RCM/A-Tick Compliant
- Colour: Blue



Part No.	Description	Unit	Qty
PLC6BL0.3	PATCH LEAD CAT6 BLUE 0.3M	EA	1
PLC6BL0.5	PATCH LEAD CAT6 BLUE 0.5M	EA	1
PLC6BL1	PATCH LEAD CAT6 BLUE 1M	EA	1
PLC6BL1.5	PATCH LEAD CAT6 BLUE 1.5M	EA	1
PLC6BL2	PATCH LEAD CAT6 BLUE 2M	EA	1
PLC6BL3	PATCH LEAD CAT6 BLUE 3M	EA	1
PLC6BL5	PATCH LEAD CAT6 BLUE 5M	EA	1
PLC6BL10	PATCH LEAD CAT6 BLUE 10M	EA	1
PLC6BL20	PATCH LEAD CAT6 BLUE 20M	EA	1

CAT6 PATCH LEAD GREEN



- CAT6 patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- RCM/A-Tick Compliant
- Snag-less connectors reduce accidental un-plugging
- Colour: Green



Part No.	Description	Unit	Qty
PLC6GN0.5	PATCH LEAD CAT6 GREEN 0.5M	EA	1
PLC6GN1	PATCH LEAD CAT6 GREEN 1M	EA	1
PLC6GN1.5	PATCH LEAD CAT6 GREEN 1.5M	EA	1
PLC6GN2	PATCH LEAD CAT6 GREEN 2M	EA	1
PLC6GN3	PATCH LEAD CAT6 GREEN 3M	EA	1
PLC6GN5	PATCH LEAD CAT6 GREEN 5M	EA	1
PLC6GN10	PATCH LEAD CAT6 GREEN 10M	EA	1
PLC6GN20	PATCH LEAD CAT6 GREEN 20M	EA	1

CAT6 PATCH LEAD GREY



- CAT6 patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- RCM/A-Tick Compliant
- Snag-less connectors reduce accidental un-plugging
- Colour: Grey



Part No.	Description	Unit	Qty
PLC6GY0.5	PATCH LEAD CAT6 GREY 0.5M	EA	1
PLC6GY1	PATCH LEAD CAT6 GREY 1M	EA	1
PLC6GY1.5	PATCH LEAD CAT6 GREY 1.5M	EA	1
PLC6GY2	PATCH LEAD CAT6 GREY 2M	EA	1
PLC6GY3	PATCH LEAD CAT6 GREY 3M	EA	1
PLC6GY5	PATCH LEAD CAT6 GREY 5M	EA	1
PLC6GY10	PATCH LEAD CAT6 GREY 10M	EA	1
PLC6GY20	PATCH LEAD CAT6 GREY 20M	EA	1

NETWORK CABLING

CAT6 PATCH LEAD ORANGE



- CAT6 patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- RCM/A-Tick Compliant
- Snag-less connectors reduce accidental un-plugging
- Colour: Orange



Part No.	Description	Unit	Qty
PLC6OR0.5	PATCH LEAD CAT6 ORANGE 0.5M	EA	1
PLC6OR1	PATCH LEAD CAT6 ORANGE 1M	EA	1
PLC6OR1.5	PATCH LEAD CAT6 ORANGE 1.5M	EA	1
PLC6OR2	PATCH LEAD CAT6 ORANGE 2M	EA	1
PLC6OR3	PATCH LEAD CAT6 ORANGE 3M	EA	1
PLC6OR5	PATCH LEAD CAT6 ORANGE 5M	EA	1
PLC6OR10	PATCH LEAD CAT6 ORANGE 10M	EA	1

CAT6 PATCH LEAD PINK



- CAT6 patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- RCM/A-Tick Compliant
- Snag-less connectors reduce accidental un-plugging
- Colour: Pink



Part No.	Description	Unit	Qty
PLC6PK0.5	PATCH LEAD CAT6 PINK 0.5M	EA	1
PLC6PK1	PATCH LEAD CAT6 PINK 1M	EA	1
PLC6PK1.5	PATCH LEAD CAT6 PINK 1.5M	EA	1
PLC6PK2	PATCH LEAD CAT6 PINK 2M	EA	1
PLC6PK3	PATCH LEAD CAT6 PINK 3M	EA	1
PLC6PK5	PATCH LEAD CAT6 PINK 5M	EA	1
PLC6PK10	PATCH LEAD CAT6 PINK 10M	EA	1

CAT6 PATCH LEAD PURPLE



- CAT6 patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- RCM/A-Tick Compliant
- Snag-less connectors reduce accidental un-plugging
- Colour: Purple



Part No.	Description	Unit	Qty
PLC6PU0.5	PATCH LEAD CAT6 PURPLE 0.5M	EA	1
PLC6PU1	PATCH LEAD CAT6 PURPLE 1M	EA	1
PLC6PU1.5	PATCH LEAD CAT6 PURPLE 1.5M	EA	1
PLC6PU2	PATCH LEAD CAT6 PURPLE 2M	EA	1
PLC6PU3	PATCH LEAD CAT6 PURPLE 3M	EA	1
PLC6PU5	PATCH LEAD CAT6 PURPLE 5M	EA	1
PLC6PU10	PATCH LEAD CAT6 PURPLE 10M	EA	1

CAT6 PATCH LEAD RED



- CAT6 patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- RCM/A-Tick Compliant
- Snag-less connectors reduce accidental un-plugging
- Colour: Red



Part No.	Description	Unit	Qty
PLC6RD0.5	PATCH LEAD CAT6 RED 0.5M	EA	1
PLC6RD1	PATCH LEAD CAT6 RED 1M	EA	1
PLC6RD1.5	PATCH LEAD CAT6 RED 1.5M	EA	1
PLC6RD2	PATCH LEAD CAT6 RED 2M	EA	1
PLC6RD3	PATCH LEAD CAT6 RED 3M	EA	1
PLC6RD5	PATCH LEAD CAT6 RED 5M	EA	1
PLC6RD10	PATCH LEAD CAT6 RED 10M	EA	1
PLC6RD20	PATCH LEAD CAT6 RED 20M	EA	1

CAT6 PATCH LEAD WHITE



- CAT6 patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- RCM/A-Tick Compliant
- Snag-less connectors reduce accidental un-plugging
- Colour: White



Part No.	Description	Unit	Qty
PLC6WH0.5	PATCH LEAD CAT6 WHITE 0.5M	EA	1
PLC6WH1.5	PATCH LEAD CAT6 WHITE 1.5M	EA	1
PLC6WH1	PATCH LEAD CAT6 WHITE 1M	EA	1
PLC6WH2	PATCH LEAD CAT6 WHITE 2M	EA	1
PLC6WH3	PATCH LEAD CAT6 WHITE 3M	EA	1
PLC6WH5	PATCH LEAD CAT6 WHITE 5M	EA	1
PLC6WH10	PATCH LEAD CAT6 WHITE 10M	EA	1
PLC6WH20	PATCH LEAD CAT6 WHITE 20M	EA	1

CAT6 PATCH LEAD YELLOW



- CAT6 patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- RCM/A-Tick Compliant
- Snag-less connectors reduce accidental un-plugging
- Colour: Yellow



Part No.	Description	Unit	Qty
PLC6YL0.5	PATCH LEAD CAT6 YELLOW 0.5M	EA	1
PLC6YL1	PATCH LEAD CAT6 YELLOW 1M	EA	1
PLC6YL1.5	PATCH LEAD CAT6 YELLOW 1.5M	EA	1
PLC6YL2	PATCH LEAD CAT6 YELLOW 2M	EA	1
PLC6YL3	PATCH LEAD CAT6 YELLOW 3M	EA	1
PLC6YL5	PATCH LEAD CAT6 YELLOW 5M	EA	1
PLC6YL10	PATCH LEAD CAT6 YELLOW 10M	EA	1
PLC6YL20	PATCH LEAD CAT6 YELLOW 20M	EA	1

NETWORK CABLING

CAT6 PATCH LEAD CROSSOVER RED



- CAT6 patch lead made from 24AWG stranded bare copper wire with fully moulded strain relief boot
- RCM/A-Tick Compliant
- Snag-less connectors reduce accidental un-plugging
- Colour: Red



Part No.	Description	Unit	Qty
PLC6X1	PATCH LEAD CAT6 CROSSOVER RED 1M	EA	1
PLC6X2	PATCH LEAD CAT6 CROSSOVER RED 2M	EA	1
PLC6X3	PATCH LEAD CAT6 CROSSOVER RED 3M	EA	1
PLC6X5	PATCH LEAD CAT6 CROSSOVER RED 5M	EA	1
PLC6X10	PATCH LEAD CAT6 CROSSOVER RED 10M	EA	1
PLC6X20	PATCH LEAD CAT6 CROSSOVER RED 20M	EA	1

CAT6A PATCH LEADS

CAT6A PATCH LEAD BLACK



- Factory tested to CAT6a Patch Lead performance standard to ensure quality and reliability
- Shielding: Overall braid plus ea pair individually foil shielded
- RCM/A-Tick Compliant
- Colour: Black



Part No.	Description	Unit	Qty
PLC6ABK0.5	PATCH LEAD CAT6A SHIELDED BLACK 0.5M	EA	1
PLC6ABK1	PATCH LEAD CAT6A SHIELDED BLACK 1M	EA	1
PLC6ABK1.5	PATCH LEAD CAT6A SHIELDED BLACK 1.5M	EA	1
PLC6ABK2	PATCH LEAD CAT6A SHIELDED BLACK 2M	EA	1
PLC6ABK3	PATCH LEAD CAT6A SHIELDED BLACK 3M	EA	1
PLC6ABK5	PATCH LEAD CAT6A SHIELDED BLACK 5M	EA	1
PLC6ABK10	PATCH LEAD CAT6A SHIELDED BLACK 10M	EA	1

CAT6A PATCH LEAD BLUE



- Factory tested to CAT6a Patch Lead performance standard to ensure quality and reliability
- Shielding: Overall braid plus ea pair individually foil shielded
- RCM/A-Tick Compliant
- Colour: Blue



Part No.	Description	Unit	Qty
PLC6ABL0.5	PATCH LEAD CAT6A SHIELDED BLUE 0.5M	EA	1
PLC6ABL1	PATCH LEAD CAT6A SHIELDED BLUE 1M	EA	1
PLC6ABL1.5	PATCH LEAD CAT6A SHIELDED BLUE 1.5M	EA	1
PLC6ABL2	PATCH LEAD CAT6A SHIELDED BLUE 2M	EA	1
PLC6ABL3	PATCH LEAD CAT6A SHIELDED BLUE 3M	EA	1
PLC6ABL5	PATCH LEAD CAT6A SHIELDED BLUE 5M	EA	1
PLC6ABL10	PATCH LEAD CAT6A SHIELDED BLUE 10M	EA	1

CAT6A PATCH LEAD GREEN



- Factory tested to CAT6a Patch Lead performance standard to ensure quality and reliability
- Shielding: Overall braid plus ea pair individually foil shielded
- RCM/A-Tick Compliant
- Colour: Green



Part No.	Description	Unit	Qty
PLC6AGN0.5	CAT6A SHIELDED GREEN PATCH LEAD 0.5M	EA	1
PLC6AGN1	CAT6A SHIELDED GREEN PATCH LEAD 1M	EA	1
PLC6AGN2	CAT6A SHIELDED GREEN PATCH LEAD 2M	EA	1
PLC6AGN3	CAT6A SHIELDED GREEN PATCH LEAD 3M	EA	1
PLC6AGN5	CAT6A SHIELDED GREEN PATCH LEAD 5M	EA	1
PLC6AGN10	CAT6A SHIELDED GREEN PATCH LEAD 10M	EA	1

CAT6A PATCH LEAD GREY



- Factory tested to CAT6a Patch Lead performance standard to ensure quality and reliability
- Shielding: Overall braid plus ea pair individually foil shielded
- RCM/A-Tick Compliant
- Colour: Grey



Part No.	Description	Unit	Qty
PLC6AGY0.5	PATCH LEAD CAT6A SHIELDED GREY 0.5M	EA	1
PLC6AGY1.5	PATCH LEAD CAT6A SHIELDED GREY 1.5M	EA	1
PLC6AGY1	PATCH LEAD CAT6A SHIELDED GREY 1M	EA	1
PLC6AGY2	PATCH LEAD CAT6A SHIELDED GREY 2M	EA	1
PLC6AGY3	PATCH LEAD CAT6A SHIELDED GREY 3M	EA	1
PLC6AGY5	PATCH LEAD CAT6A SHIELDED GREY 5M	EA	1
PLC6AGY10	PATCH LEAD CAT6A SHIELDED GREY 10M	EA	1

CAT6A PATCH LEAD PURPLE



- Factory tested to CAT6a Patch Lead performance standard to ensure quality and reliability
- Shielding: Overall braid plus ea pair individually foil shielded
- RCM/A-Tick Compliant
- Colour: Purple



Part No.	Description	Unit	Qty
PLC6APU0.5	CAT6A SHIELDED PURPLE PATCH LEAD 0.5M	EA	1
PLC6APU1	CAT6A SHIELDED PURPLE PATCH LEAD 1M	EA	1
PLC6APU2	CAT6A SHIELDED PURPLE PATCH LEAD 2M	EA	1
PLC6APU3	CAT6A SHIELDED PURPLE PATCH LEAD 3M	EA	1
PLC6APU5	CAT6A SHIELDED PURPLE PATCH LEAD 5M	EA	1
PLC6APU10	CAT6A SHIELDED PURPLE PATCH LEAD 10M	EA	1

NETWORK CABLING

CAT6A PATCH LEAD RED



- Factory tested to CAT6a Patch Lead performance standard to ensure quality and reliability
- Shielding: Overall braid plus ea pair individually foil shielded
- RCM/A-Tick Compliant
- Colour: Red



Part No.	Description	Unit	Qty
PLC6ARD0.5	CAT6A SHIELDED RED PATCH LEAD 0.5M	EA	1
PLC6ARD1	CAT6A SHIELDED RED PATCH LEAD 1M	EA	1
PLC6ARD2	CAT6A SHIELDED RED PATCH LEAD 2M	EA	1
PLC6ARD3	CAT6A SHIELDED RED PATCH LEAD 3M	EA	1
PLC6ARD5	CAT6A SHIELDED RED PATCH LEAD 5M	EA	1
PLC6ARD10	CAT6A SHIELDED RED PATCH LEAD 10M	EA	1

CAT6A PATCH LEAD WHITE



- Factory tested to CAT6a Patch Lead performance standard to ensure quality and reliability
- Shielding: Overall braid plus ea pair individually foil shielded
- RCM/A-Tick Compliant
- Colour: White



Part No.	Description	Unit	Qty
PLC6AWH0.5	PATCH LEAD CAT6A SHIELDED WHITE 0.5M	EA	1
PLC6AWH1	PATCH LEAD CAT6A SHIELDED WHITE 1M	EA	1
PLC6AWH1.5	PATCH LEAD CAT6A SHIELDED WHITE 1.5M	EA	1
PLC6AWH2	PATCH LEAD CAT6A SHIELDED WHITE 2M	EA	1
PLC6AWH3	PATCH LEAD CAT6A SHIELDED WHITE 3M	EA	1
PLC6AWH5	PATCH LEAD CAT6A SHIELDED WHITE 5M	EA	1
PLC6AWH10	PATCH LEAD CAT6A SHIELDED WHITE 10M	EA	1

CAT6A PATCH LEAD YELLOW



- Factory tested to CAT6a Patch Lead performance standard to ensure quality and reliability
- Shielding: Overall braid plus ea pair individually foil shielded
- RCM/A-Tick Compliant
- Colour: Yellow



Part No.	Description	Unit	Qty
PLC6AYL0.5	PATCH LEAD CAT6A SHIELDED YELLOW 0.5M	EA	1
PLC6AYL1	PATCH LEAD CAT6A SHIELDED YELLOW 1M	EA	1
PLC6AYL1.5	PATCH LEAD CAT6A SHIELDED YELLOW 1.5M	EA	1
PLC6AYL2	PATCH LEAD CAT6A SHIELDED YELLOW 2M	EA	1
PLC6AYL3	PATCH LEAD CAT6A SHIELDED YELLOW 3M	EA	1
PLC6AYL5	PATCH LEAD CAT6A SHIELDED YELLOW 5M	EA	1
PLC6AYL10	PATCH LEAD CAT6A SHIELDED YELLOW 10M	EA	1

LAN CABLE ROLLS

UTP CAT5E CABLE

DATA CABLE CAT5E UTP SOLID GREY 305M

Unit: EA Qty: 1



Part No. C5EUTPGY

- CAT5e solid core cable best used for fixed runs in walls
- Better signal performance than stranded
- RCM/A-Tick Compliant
- Colour: Grey
- Length: 305M Reel



DATA CABLE CAT5E UTP SOLID BLUE 305M

Unit: BOX Qty: 1



Part No. C5EUTP

- Solid core cable is used for fixed runs in walls
- Better signal performance than stranded
- RCM/A-Tick Compliant
- Colour: Blue
- Length: 305M Reel

DATA CABLE CAT5E UTP STRANDED BLUE 305M

Unit: BOX Qty: 1



Part No. C5EUTPS

- CAT5e stranded cable best used for patch leads
- More pliable than solid core cable
- RCM/A-Tick Compliant
- Colour: Blue
- Length: 305M Reel

UTP CAT6 CABLE

DATA CABLE CAT6 UTP SOLID BLUE 305M

Unit: BOX Qty: 1



Part No. C6UTP

- CAT6 solid core cable best used for fixed runs in walls
- Better signal performance than stranded
- RCM/A-tick compliant
- Colour: Blue
- Length: 305M Reel

DATA CABLE CAT6 UTP STRANDED BLUE 305M

Unit: BOX Qty: 1



Part No. C6UTPS

- CAT6 stranded cable best used for patch leads
- More pliable than solid core cable
- RCM/A-Tick Compliant
- Colour: Blue
- Length: 305M Reel

SHIELDED CABLE

DATA CABLE CAT6A F/FTP SOLID VIOLET LSZH

Unit: ROL Qty: 305



Part No. C6AF/FTP

- Cat6A solid conductor shielded F/FTP cable for horizontal cabling installations. LSZH jacket Violet
- Shielding: F/FTP Individual and overall foil with drain wire
- Conductor: 23 AWG Solid Bare Copper
- ACMA A-Tick Certified

UNSHIELDED CAT5E CABLE

CABLE CAT5E 24AWG 4PR UTP BLACK

Unit: ROL Qty: 305



Part No. BEL-7918A-0101000

- 24 AWG solid bare Copper conductors
- Suitable for outdoor use
- PVC UV/Oil resistant jacket: Black
- Length: 305M Reel

NETWORK CABLING

CABLE CAT5E 24AWG 4PR UTP BLACK

Unit: ROL Qty: 305



Part No. BEL-M57561

- 24 AWG solid bare Copper conductors
- Gel filled: suitable for underground use
- PE UV resistant jacket: Black
- Length: 305M Reel

UNSHIELDED CAT6 CABLE

CABLE CAT6 24AWG 4PR UTP GREY

Unit: ROL Qty: 305



Part No. BEL7814A-008A1000

- Unshielded 4 Pair CAT6 250 MHz 70% NVP
- 24 AWG solid bare Copper conductors
- PVC Jacket: Grey
- Length: 305M Reel

CABLE CAT6 23AWG 4PR UTP BLACK

Unit: ROL Qty: 305



Part No. BEL-7927A-0101000

- 23 AWG bonded-pair solid bare Copper conductors
- Suitable for outdoor use
- PVC UV/Oil resistant jacket: Black
- Length: 305M Reel

CABLE CAT6 24AWG 4PR UTP BLACK

Unit: ROL Qty: 305



Part No. BEL-M57622

- 24 AWG solid bare Copper conductors
- Gel filled: suitable for underground use
- PE UV resistant jacket: Black
- Length: 305M Reel

SHIELDED CAT5E CABLE

CABLE CAT5E 24AWG 4PR STP BLUE

Unit: ROL Qty: 305



Part No. BEL-1633ENH.01305

- 24 AWG solid bare Copper conductor - Shield: Aluminium/polyester foil
- Supports current and future Category 5 enhanced applications
- Colour: Blue
- Length: 305M Reel

CABLE CAT5E 24AWG 4PR STP BLACK

Unit: ROL Qty: 305



Part No. BEL-7919A-0101000

- 24 AWG solid bare Copper conductors
- Suitable for outdoor use
- PVC UV/Oil resistant jacket: Black
- Length: 305M Reel

CABLE CAT5E 24AWG 4PR STP BLACK

Unit: ROL Qty: 305



Part No. BEL-7921A-0101000

- 24 AWG Bonded-Pairs solid bare Copper conductors, foil and braid shield (SF/UTP)
- Industrial grade UV/Oil-resistant PVC jacket
- Polyolefin insulation
- Length: 305M Reel

CABLE CAT5E 24AWG 4PR STP BLACK

Unit: ROL Qty: 305



Part No. BEL-74001NH.00305

- 24 AWG solid bare Copper conductors, foil and braid shield (SF/UTP)
- LSZH Oil/UV resistant jacket: Black
- Length: 305M Reel

CABLE CAT5E 24AWG 4PR STP JELLY BLACK

Unit: ROL Qty: 305



Part No. BEL-7937A-0101000

- CAT5e shielded industrial Ethernet jelly filled cable
- 24 AWG bare Copper conductors
- 100% foil shield
- Oil/UV resistant jacket jelly filled: Black

SHIELDED CAT6 CABLE

CABLE CAT6 4PR SHIELDED LSZH BLUE

Unit: ROL Qty: 500



Part No. BEL-7860ENH.01500

- 23 AWG solid bare Copper conductors
- 100% foil shield
- Blue low smoke zero halogen (LSZH) jacket
- Length: 500M Reel

CABLE CAT6 23AWG 4PR STP BLACK

Unit: ROL Qty: 305



Part No. BEL-7953A-0101000

- 23 AWG solid bare Copper conductors
- Industrial grade UV and oil resistant
- PVC jacket: Black
- Length: 305M Reel

COUPLERS

CAT5E COUPLERS

COUPLER CAT5E KEYSTONE RJ45

Unit: EA Qty: 1



Part No. 42C5ECPL

- For use in Keystone style wall plates and patch panels
- Quickly and easily join 2x CAT5e patch leads
- RCM/A-Tick Compliant
- Ideal for plug and play cabling applications



NETWORK CABLING

CAT6 COUPLERS

COUPLER CAT6 KEYSTONE

Unit: EA Qty: 1



Part No. CPLC6

- For use in Keystone style wall plates and patch panels
- Quickly and easily join 2x CAT6 patch leads
- RCM/A-Tick Compliant

CAT6A COUPLERS

COUPLER CAT6A SHIELDED KEYSTONE

Unit: BAG Qty: 10



Part No. CPLC6AS/10

- For use in Keystone style wall plates and patch panels
- Quickly and easily join 2x CAT6a patch leads
- RCM/A-Tick Compliant

JACKS AND WALL PLATES

TELCO JACKS - VOICE

JACK TELCO 6P4C RJ12 KEYSTONE 10PK

Unit: PAK Qty: 10



Part No. J6P4C/10

- For use with modular telephone leads
- 6 position 4 contact
- A-tick compliant
- Colour: white

JACK 8P4C KATT STYLE 10PK

Unit: PAK Qty: 10



Part No. J8P4C/10

- 8 Position 4 contact - Australian Standard Carrier Telephone Connection
- Fits directly into Clipsal and HPM face plates
- Fully ACA compliant (A-tick)
- Pack of 10

JACK CAT5E K/110 KEYSTONE BLACK 10 PACK

Unit: EA Qty: 1



Part No. 42J8ABKK-X

- Enhanced Category 5 performance
- Wiring label for both 568A and 568B wiring formats
- A-tick compliant
- Available in white or black

JACK CAT5E K/110 KEYSTONE WHITE 10 PACK

Unit: KIT Qty: 1



Part No. 42J8AWHK-X

- Enhanced Category 5 performance
- Wiring label for both 568A and 568B wiring formats
- A-tick compliant
- Available in white or black

CAT5E CLIPSAL STYLE JACK



- Enhanced Category 5 performance RJ45 8P8C
- Fits directly into Clipsal wall plates
- Wiring label for both 568A and 568B wiring formats
- RCM/A-tick compliant



Part No.	Description	Unit	Qty
J5E/10	JACK CAT5E K/110 10PK	PAK	10
J5E/50	JACK CAT5E K/110 50PK	PAK	50
J5EBK/10	JACK CAT5E FITS WALL PLATE BLACK	EA	10

CAT6 CLIPSAL STYLE JACK



- CAT6 RJ45 white jack fits directly into Clipsal wall plate
- KATT style termination
- Wiring label for both 568A and 568B wiring formats
- RCM/A-tick compliant



Part No.	Description	Unit	Qty
J6/10	JACK CAT6 K/110	PAK	10
J6/50	JACK CAT6 K/110 50PK	PAK	50
J6BK/10	JACK CAT6 KATT 10PK	PAK	10

CAT6A JACKS



- Fully shielded to minimise noise and ensure CAT6a performance is met
- Toolless termination method reduces installation time
- Keystone footprint
- RCM/A-tick compliant



Part No.	Description	Unit	Qty
J6AS	CAT6A SHIELDED KEYSTONE JACK 10GB	EA	1
J6A/10S	CAT6A SHIELDED KEYSTONE JACK 10GB	PAK	10

BELDEN CAT6 JACK

BELDEN CAT6 JACK WHITE

Unit: EA Qty: 1



Part No. BEL-AX101342

- Clipsal style CAT6 jack supplied with T-bar for quick and easy termination and excellent strain relief
- Exceeds TIA/EIA 568.b.2-1 CAT6 performance standards
- Terminate with 110 or Krone punch down tool

BELDEN CAT6 KEYSTONE JACK WHITE

Unit: EA Qty: 1



Part No. BEL-AX101320

- Keystone style CAT6 jack supplied with T-bar for quick and easy termination and excellent strain relief
- Exceeds TIA/EIA 568.b.2-1 CAT6 performance standards
- Terminate with 110 punch down tool
- ISO/IEC11801. ETL verified
- IDC rated up to 20 terminations

NETWORK CABLING

BELDEN CAT6 KEYSTONE JACK BLACK

Unit: EA Qty: 1



Part No. BEL-AX101321

- Supplied with T-bar for quick and easy termination and excellent strain relief
- Exceeds TIA/EIA 568.b.2-1 CAT6 performance standards
- Terminate with 110 punch down tool
- TIA 568.B.2-1, ISO/IEC11801. ETL verified
- IDC rated up to 20 terminations

JACK CAT6 SHIELDED KEY CONNECT

Unit: EA Qty: 1



Part No. BDNAX104596

- Applications: IBDN Shielded System 2400, TIA Screened Category 6 , ISO Class E, 1000BASE-T
- Compatible with the Shielded KeyConnect 24 and 48 Port Patch Panels
- RJ45

BEZELS (JACK ADAPTORS)

JACK ADAPTOR WHITE 10 PACK

Unit: KIT Qty: 1



Part No. 42ADCWH-X

- Jack adaptors allow the conversion of keystone jacks to flush mount to a Clipsal wall plate
- Available in white or blue
- Pack of 10

WALL PLATES

CAT6 KEYSTONE JOINER WITH BEZEL

Unit: EA Qty: 1



Part No. WPC-CAT6

- Compatible with Clipsal style faceplates
- Perfect for making your own custom wall plates
- Ideal for home theatre
- Colour: White

GANG STYLE WALL PLATE



- Standard screw centres to fit most electrical plates and mounting blocks
- Compatible with Clipsal style Mechs and Jacks
- Fits most mounting blocks
- Colour: White
- 1 to 6 Gang style available

Part No.	Description	Unit	Qty
WPC-2	WALL PLATE 2 GANG	EA	1
WPC-3	WALL PLATE 3 GANG	EA	1
WPC-4	WALL PLATE 4 GANG	EA	1
WPC-5	WALL PLATE 5 GANG	EA	1
WPC-6	WALL PLATE 6 GANG	EA	1
WPC-BLANK	WALL PLATE BLANK GRIDDED PLATE	EA	1
WPC1-10	WALL PLATE 1 GANG WHITE 10 PK	EA	1
WPC2-10	WALL PLATE 2 GANG WHITE 10 PK	EA	1
WPC3-10	WALL PLATE 3 GANG WHITE 10 PK	EA	1
WPC4-10	WALL PLATE 4 GANG WHITE 10 PK	EA	1
WPC5-10	WALL PLATE 5 GANG WHITE 10 PK	EA	1
WPC6-10	WALL PLATE 6 GANG WHITE 10 PK	EA	1

MOUNTING BLOCKS



- Standard screw centres to fit most electrical plates and mounting blocks
- Wall mount block also available in 13mm or 35mm
- Colour: White
- Blank plate also available

Part No.	Description	Unit	Qty
WPC-MB13MM	WALL MOUNT BLOCK 13MM WHITE	EA	1
WPC-MB35MM	WALL MOUNT BLOCK 35MM WHITE	EA	1

AUDIO VISUAL INSERT F TO PAL CON

Unit: EA Qty: 1



Part No. WPC-PALFCON

- Compatible with Clipsal style wall plates - perfect for making your own custom plates
- Ideal for home theatre
- Colour: White

SPEAKER BINDING POST RED & BLACK

Unit: EA Qty: 1



Part No. WPC-BPOST

- Compatible with Clipsal style faceplates
- Perfect for making your own custom wall plates
- Ideal for home theatre
- Colour: Red and Black

AUDIO VISUAL F81 3GB CONNECTOR

Unit: EA Qty: 1



Part No. WPC-FFCON

- Compatible with Clipsal style wall plates - perfect for making your own custom plates
- Ideal for home theatre
- Foxtel approved
- Colour: White

3.5MM STEREO AUDIO INSERT 120MM TAIL

Unit: EA Qty: 1



Part No. WPC-STEREO

- Compatible with Clipsal style wall plates - perfect for making your own custom plates
- Ideal for home theatre
- Colour: White

HDMI 1.4 JOINER INLINE

Unit: EA Qty: 1



Part No. WPC-HDMI

- Compatible with Clipsal style wall plates - perfect for making your own custom plates
- Ideal for home theatre
- Easily join HDMI cables
- HDMI version 1.4

NETWORK CABLING

USB-USB 3

Unit: EA Qty: 1



Part No. WPC-USB

- Compatible with Clipsal style wall plates - perfect for making your own custom plates
- Ideal for home theatre
- Colour: White

AUDIO VISUAL BLANK INSERT WHITE

Unit: EA Qty: 1



Part No. WPC-BKINS

- Compatible with Clipsal style faceplates
- Perfect for making your own custom wall plates
- Ideal for home theatre
- Colour: White

WALL PLATE MEDIA BULL NOSE WHITE

Unit: EA Qty: 1



Part No. WPC-BNOSE

- Neat and tidy way to run cables through your wall - perfect for home theatre systems
- Standard screw centres to fit most electrical plates and mounting
- Standard and reverse design available
- Colour: White

WALL PLATE MEDIA BULL NOSE WHITE REVERSE

Unit: EA Qty: 1



Part No. WPC-BNOSER

- Neat and tidy way to run cables through your wall - perfect for home theatre systems
- Standard screw centres to fit most electrical plates and mounting
- Standard and reverse design available
- Colour: White

UNIVERSAL STUD BRACKET

Unit: EA Qty: 1



Part No. WPC-STUDBK

- Allows you to easily mount wall plates on plasterboard walls
- Suitable for most wall plates
- Metal construction

WALL PLATE PLASTER C CLIP 10PK

Unit: EA Qty: 1



Part No. WPC-CCLIP

- Allows you to easily mount wall plates on plasterboard walls
- Suitable for most wall plates
- Metal construction

AV MECHS AND C-CLIPS



- Compatible with Clipsal style wall plates - perfect for making your own custom plates
- Ideal for home theatre
- Different types and colour combinations available

Part No.	Description	Unit	Qty
WPC-RCASOLBL	AUDIO VISUAL RCA SOLDER TYPE GOLD BLUE	EA	1
WPC-RCASOLGN	AUDIO VISUAL RCA SOLDER TYPE GOLD GREEN	EA	1
WPC-RCASOLRD	AUDIO VISUAL RCA SOLDER TYPE GOLD RED	EA	1
WPC-RCASOLWH	AUDIO VISUAL RCA SOLDER TYPE GOLD WHITE	EA	1
WPC-RCASOLYL	AUDIO VISUAL RCA SOLDER TYPE GOLD YELLOW	EA	1

AV MECHS RCA TO RCA



- Compatible with Clipsal style wall plates - perfect for making your own custom plates
- Ideal for home theatre
- Different types and colour combinations available

Part No.	Description	Unit	Qty
WPC-RCARCABL	AUDIO VISUAL RCA TO RCA BLUE	EA	1
WPC-RCARCAGN	AUDIO VISUAL RCA TO RCA GREEN	EA	1
WPC-RCARCA	AUDIO VISUAL RCA TO RCA RED	EA	1
WPC-RCARCAWH	AUDIO VISUAL RCA TO RCA WHITE	EA	1
WPC-RCARCAYL	AUDIO VISUAL RCA TO RCA YELLOW	EA	1

AV MECHS RCA TO F



- Compatible with Clipsal style wall plates - perfect for making your own custom plates
- Ideal for home theatre
- Different types and colour combinations available

Part No.	Description	Unit	Qty
WPC-RCAF	AUDIO VISUAL RCA-F CONNECTOR RED	EA	1
WPC-RCAFYL	AUDIO VISUAL RCA-F CONNECTOR YEL	EA	1

SURFACE MOUNT BOX 3 WAY TAMPER PROOF

Unit: EA Qty: 1



Part No. SMBC5E3TP

- Stops lead swapping
- Supplied with 3 keystone jacks which clip into place
- CAT5e jacks are supplied-KATT style termination
- Supplied with screws and double sided tape for mounting



NETWORK CABLING

SURFACE MOUNTS

CAT5E SURFACE MOUNTS



- Mount on surfaces where the wall cavity is not accessible
- Supplied with screws and double-sided tape for mounting
- KATT style termination



Part No.	Description	Unit	Qty
42S8AWHK	SURFACE MOUNT BOX 1 WAY CAT5E 8P8C WHITE	EA	1
42S88AWHK	SURFACE MOUNT BOX DUAL CAT5E 8P8C WHITE	EA	1
SMBC5E4	SURFACE MOUNT BOX 4 WAY CAT5E 8P8C WHITE	EA	1
SMBC5E6	SURFACE MOUNT BOX 6 WAY CAT5E 8P8C WHITE	EA	1

SURFACE MOUNT BOX 3 WAY TAMPER PROOF

Unit: EA Qty: 1



Part No. SMBC63TP

- Three way jack box
- Stop lead swapping
- A-tick compliant
- CAT6 compliant



CAT6 SURFACE MOUNTS



- Mount on surfaces where the wall cavity is not accessible
- Supplied with screws and double-sided tape for mounting
- KATT style termination



Part No.	Description	Unit	Qty
SMBC61	SURFACE MOUNT BOX 1 WAY CAT6	EA	1
SMBC62	SURFACE MOUNT BOX 2 WAY CAT6	EA	1
SMBC64	SURFACE MOUNT BOX 4 WAY CAT6	EA	1
SMBC66	SURFACE MOUNT BOX 6 WAY CAT6	EA	1

LINE SPLITTERS

LINE SPLITTERS

DONGLE SPLITTER 2 TO 1 UTP

Unit: EA Qty: 1



Part No. 42LAUTP

- Generally used when running another UTP cable
- Must be used in pairs
- Dongle version
- RJ45 plug to 2 by RJ45 sockets

DONGLE SPLITTER UTP Y BRIDGE

Unit: EA Qty: 1



Part No. 42LAUTPY

- Used when one phone line to two phone/fax points is required
- Splits a 4 pair UTP line into two outlets
- Dongle version
- RJ45 plug to 2 by RJ45 sockets

LINE SPLITTER VOICE DATA

Unit: EA Qty: 1



Part No. SPLVD

- Generally used when running another UTP cable
- Must be used in pairs
- Dongle version
- RJ45 plug to 2x RJ45 sockets

LINE SPLITTER DUAL VOICE

Unit: EA Qty: 1



Part No. SPLV2

- Generally used when running another UTP cable
- Must be used in pairs
- Dongle version
- RJ45 plug to 2 by RJ45 sockets

LINE SPLITTER X4 VOICE

Unit: EA Qty: 1



Part No. SPLV4

- Generally used when running another UTP cable
- Must be used in pairs
- Dongle version
- RJ45 plug to 2 by RJ45 sockets

PATCH PANELS

CAT5E PATCH PANEL

PATCH PANEL CAT5E SLIMLINE 12 PORT

Unit: EA Qty: 1



Part No. PP12C5E-SL

- Unique upside down patch panel design - patch and punch down from the same side
- Slimline design - mount flush on wall max protrusion 26mm
- Supplied with 57mm stand off brackets if required
- A-tick compliant

PATCH PANEL CAT5E REMOVABLE ID 24 PORT

Unit: EA Qty: 1



Part No. PP24C5E

- Handy replaceable label strips
- Sturdy metal construction
- Conforms with EIA/TIA568A/B C5 Standards
- Supplied with cagenuts, screws, washers and ties

CAT6 PATCH PANEL

PATCH PANEL CAT6 REMOVABLE ID 24 PORT

Unit: EA Qty: 1



Part No. PP24C6

- Sturdy metal construction
- Handy replaceable label strips
- Rear cable management bar and cable ties included
- ACMA/RCM compliant



NETWORK CABLING

CAT6A PATCH PANEL

24PORT K/STONE UNLOADED SHIELDED P/PANEL

Unit: EA Qty: 1



Part No. PP24-USK

- Fully shielded design, patch panel made entirely from metal. Compatible with CAT5e, CAT6, CAT6a and CAT 7 keystone jacks
- Includes removable rear cable management bar and earth lead
- Use with Cabac J6AS and J6A/10S Cat6a shielded keystone jacks

BELDEN CAT6 PATCH PANEL

24 PORT CAT6 PATCH PANEL 1RU

Unit: EA Qty: 1



Part No. BEL-AX103253

- Loaded patch panel supplied with hook and loop ties and rear cable management bar
- Exceeds TIA/EIA 568.b.2-1 CAT6 performance standards
- Terminate with 110 punch down tool
- TIA 568.B.2-1, ISO/IEC11801. ETL verified
- Ports labelled 1-24 on front and back for easy identification

MIPP C6/UTP X2

Unit: EA Qty: 1



Part No. BEL-AD6A

- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 4 port module that includes 2 cat6 UTP Jacks
- Hook and Loop ties included for cable management
- Cable management fingers aid in cable management

MIPP C6/UTP X4

Unit: EA Qty: 1



Part No. BEL-AD6B

- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 4 port module that includes 4 cat6 UTP Jacks
- Hook and Loop ties included for cable management
- Cable management fingers aid in cable management

MIPP C6/STP X2

Unit: EA Qty: 1



Part No. BEL-AD6C

- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 4 port module that includes 2 cat6 STP Jacks
- Hook and Loop ties included for cable management
- Cable management fingers aid in cable management

MIPP C6/STP X4

Unit: EA Qty: 1



Part No. BEL-AD6D

- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 4 port module that includes 4 cat6 STP Jacks
- Hook and Loop ties included for cable management
- Cable management fingers aid in cable management

MIPP C6/UTP X6

Unit: EA Qty: 1



Part No. BEL-BD6B6A

- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 8 port module that includes 6 cat6 UTP Jacks
- Hook and Loop ties included for cable management
- Cable management fingers aid in cable management

MIPP C6/UTP X8

Unit: EA Qty: 1



Part No. BEL-BD6B6B

- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 8 port module that includes 8 cat6 UTP Jacks
- Hook and Loop ties included for cable management
- Cable management fingers aid in cable management

MIPP C6/STP X6

Unit: EA Qty: 1



Part No. BEL-BD6D6C

- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 8 port module that includes 6 cat6 STP Jacks
- Hook and Loop ties included for cable management
- Cable management fingers aid in cable management

MIPP C6/UTP X 1 C6/STP X 1

Unit: EA Qty: 1



Part No. BEL-BD6B6D

- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 8 port module that includes 4 cat6 UTP and 4 STP Jacks
- Hook and Loop ties included for cable management
- Cable management fingers aid in cable management

MIPP C6/STP X8

Unit: EA Qty: 1



Part No. BEL-BD6D6D

- DIN rail mount Modular Industrial Patch Panel (MIPP) that can combine both copper and fibre into one innovative solution
- 8 port module that includes 8 cat6 STP Jacks
- Hook and Loop ties included for cable management
- Cable management fingers aid in cable management

MODULE ONLY C6/UTP X2

Unit: EA Qty: 1



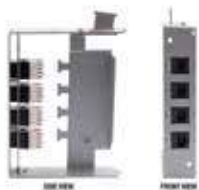
Part No. BEL-XX6A

- A component of the MIPP - a modular, flexible patch panel system that can combine both copper and fibre into one innovative solution
- 4 port module that includes 2 cat6 UTP Jacks
- Hook and Loop ties included for cable management
- Cable management fingers aid in cable management

NETWORK CABLING

MODULE ONLY C6/UTP X4

Unit: EA Qty: 1



Part No. BEL-XX6B

- A component of the MIPP - a modular, flexible patch panel system that can combine both copper and fibre into one innovative solution
- 4 port module that includes 4 cat6 UTP Jacks
- Hook and Loop ties included for cable management
- Cable management fingers aid in cable management

MODULE ONLY C6/STP X2

Unit: EA Qty: 1



Part No. BEL-XX6C

- A component of the MIPP - a modular, flexible patch panel system that can combine both copper and fibre into one innovative solution
- 4 port module that includes 2 cat6 STP Jacks
- Hook and Loop ties included for cable management
- Cable management fingers aid in cable management

MODULE ONLY C6/STP X4

Unit: EA Qty: 1



Part No. BEL-XX6D

- A component of the MIPP - a modular, flexible patch panel system that can combine both copper and fibre into one innovative solution
- 4 port module that includes 4 cat6 STP Jacks
- Hook and Loop ties included for cable management
- Cable management fingers aid in cable management

UNLOADED PATCH PANEL

24 PORT UNLOADED KEYSTONE PATCH PANEL

Unit: EA Qty: 1



Part No. BEL-AX103114

- Supplied with hook and loop ties and rear cable management bar
- Includes label strip and cage nut screws
- Solid metal construction
- Ports labelled 1-24 on front and back for easy identification

PATCH PANEL UNLOADED SHIELDED 24PT KEY/C

Unit: EA Qty: 1



Part No. BDNAX104563

- Compatible with modules for use with Belden IBDN Systems 10GX, 4800,3600, 2400 and 1200
- 24 Ports Keystone compatible
- Flush front connection
- Panel Material: Steel

HOUSING ONLY FOR 1X SINGLE MODULE

Unit: EA Qty: 1



Part No. BEL-AD

- A component of the MIPP - a modular, flexible patch panel system that can combine both copper and fibre into one innovative solution
- DIN rail mount housing for a single module
- Compact size takes up minimal space in a cabinet
- Modular design means installation is quick and easy

HOUSING ONLY FOR 2X SINGLE MODULE

Unit: EA Qty: 1



Part No. BEL-BD

- A component of the MIPP - a modular, flexible patch panel system that can combine both copper and fibre into one innovative solution
- DIN rail mount housing for 2 single modules
- Compact size takes up minimal space in a cabinet
- Modular design means installation is quick and easy

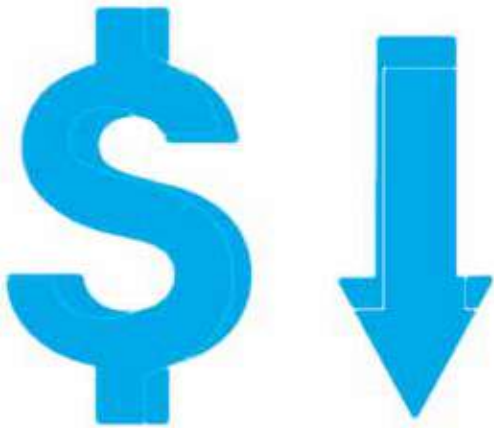
Cabtray

CABTRAY Standard Range	D653
CABTRAY Load Carrying Capacity	D654
CABTRAY Tray Joiners CABLOK® Composite Connectors	D655
CABTRAY Tray Joiners	D657
CABTRAY Support Systems	D660
CABTRAY Brackets	D666
CABTRAY Accessories	D667
CABTRAY Bends	D669
CABTRAY Hardware For Suspension Systems	D670

CABTRAY – Why you need it!

CABTRAY is the result of an innovative and on going research and development program by CABAC to develop a superior wire mesh cable tray system. For the demonstrated requirements and performance standards of the Australian market.

CABTRAY exceeds the toughest fire safety standards and has been rated by the CSIRO in accordance with AS3013:1995 Appendix B (various loads and configurations).



LOW INSTALL COST

A lower installation cost with less manhours results from simplified onsite manufacture of tray fittings.

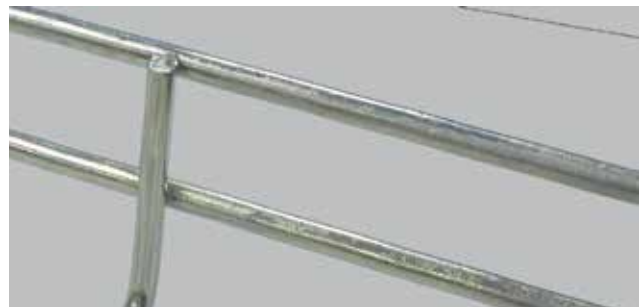
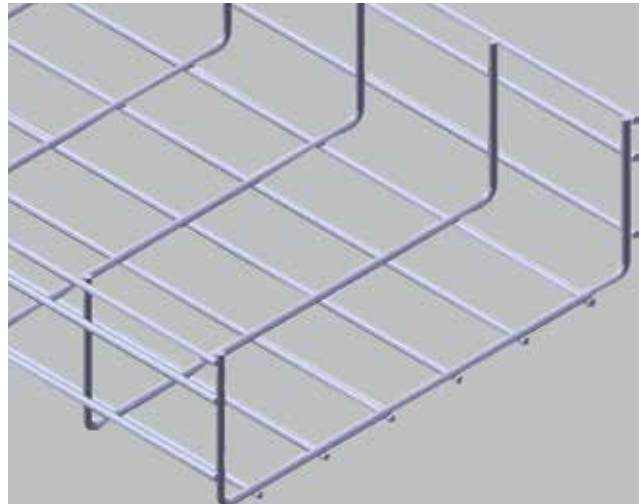


TRAY JOINTING

CABTRAY has developed a new innovative range of splicing clamps with guaranteed mid span capability.

EASY TO HANDLE

CABTRAY is a wire mesh space frame, which is light for its carrying capacity. A typical 3m length of 300mm tray weighs only 6kg so one person can lift many lengths of tray. This makes transporting, lifting and installation much easier, requiring much less manpower.



CABLE SAFE

Smooth and flush wire edges ensure cable installations are not compromised.

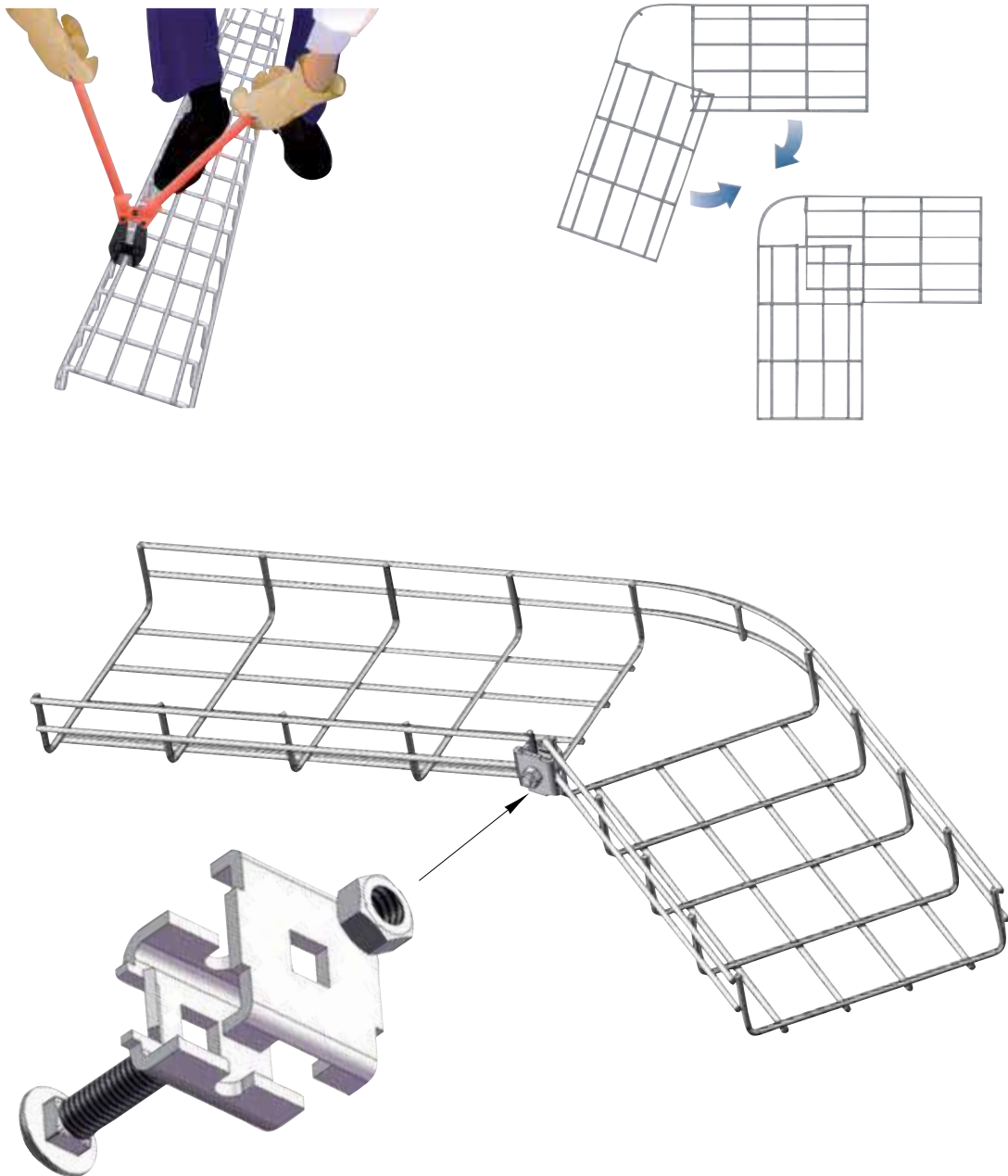
CABTRAY – Why you need it!

CUT BEND JOIN

Simply order a load of tray and splice kits, and with a set of bolt cutters, you can create anything. Sweeping bends, tees, risers and complex shapes are easy to fabricate on site.

No pre-planning is necessary.

Use the advanced TABLOK® system to create sweeping bends in minutes.

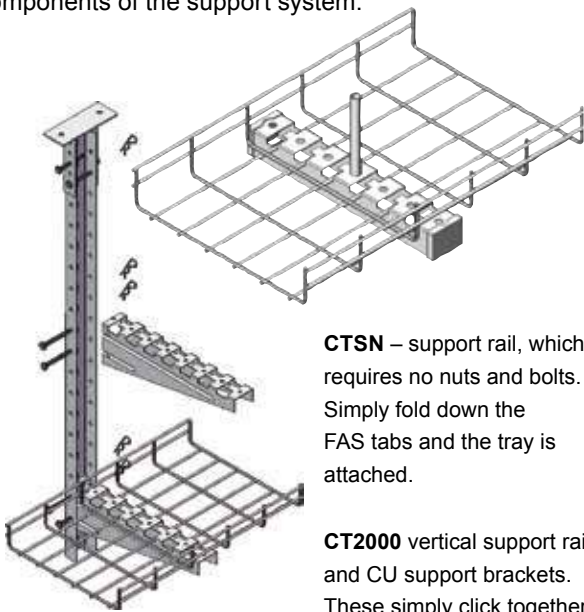


CABTRAY – Why you need it!



SUPPORT SYSTEM

The result of an innovative development program, the unique TABLOK® connection system provides a simple one tab lock down concept, common to all components of the support system.



CTSN – support rail, which requires no nuts and bolts. Simply fold down the FAS tabs and the tray is attached.

CT2000 vertical support rail, and CU support brackets. These simply click together and lock into place.

ADVANCED SUPPORT SYSTEMS

CABTRAY offers many innovative support systems which make things fast and easy. SCF – Centre support system. Hang your tray from the centre and side load the cables. Saves huge on installation costs.



LOAD PERFORMANCE AND SAFETY

CABTRAY is very safe, because it deflects under excessive loads like a hammock, and does not break or collapse easily. Working with normal cables, 2m spans with a “full” tray is possible. CABTRAY is a high strength space frame which performs well under load.



SIMPLE ORDERING

Because you do not have to order any special fittings, overall logistics, and time spent organizing product is much less. No pre-planning of components, simply fabricate to suit on site.

CABTRAY STANDARD RANGE

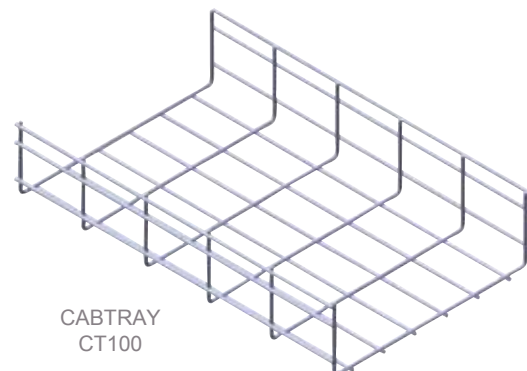
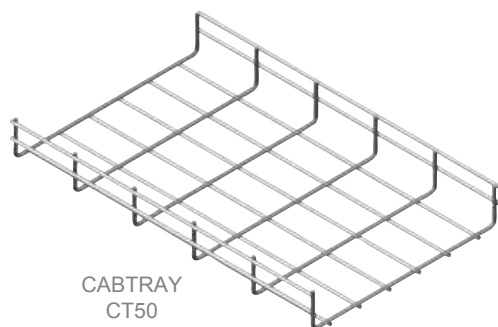
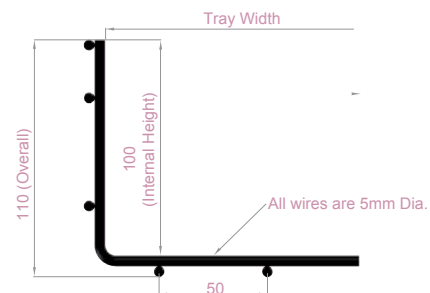
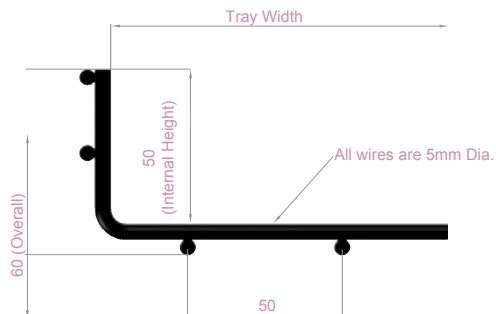
STANDARD RANGE

Standard range available in 3 metre lengths. Use colour coding to select type of cable tray required and the compatible support range for the projected installation.

Hot Dipped Galvanised (HD) and Stainless Steel (SS) can be supplied for large orders.

Part No.	Width (mm)	Load Capacity (kg)	Recommended Joiners Per Tray
CT50/50EZ	50	2.8	2
CT50/100EZ	100	3.20	2
CT50/150EZ	150	4.00	2
CT50/200EZ	200	4.80	2
CT50/300EZ	300	6.90	3
CT50/400EZ	400	10.50	3
CT50/500EZ	500	11.30	3
CT50/600EZ	600	12.80	3

Part No.	Width (mm)	Load Capacity (kg)	Recommended Joiners Per Tray
CT100/150EZ	150	5.30	2
CT100/200EZ	200	6.20	2
CT100/300EZ	300	9.20	3
CT100/400EZ	400	10.60	3
CT100/500EZ	500	15.60	3
CT100/600EZ	600	20.00	3



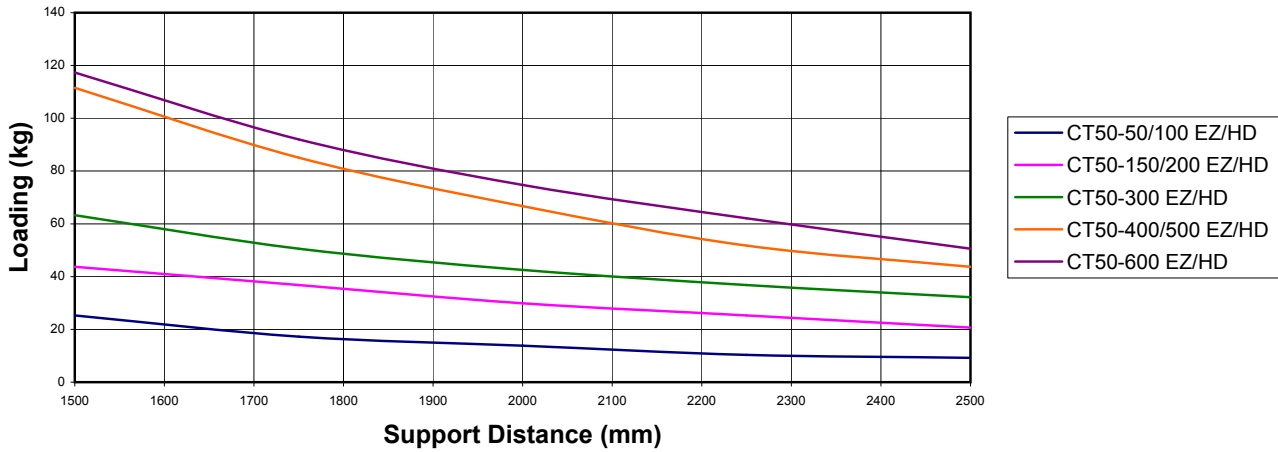
CABTRAY

CABTRAY LOAD CARRYING CAPACITY

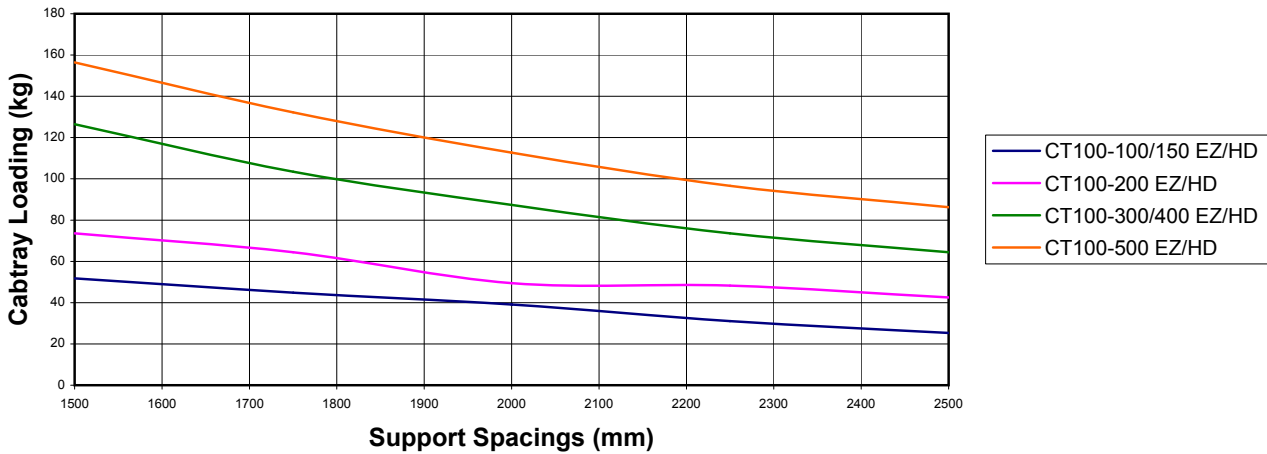
- Use tables below to calculate loads over various spans. These are safe working loads and the deflection is nominal based on uniform applied loads
- When tested to destruction CABTRAY exhibits a deflection but will continue to support the cables
- The tray is a strong space frame that exhibits a superior load span performance, when compared to flat steel envelope tray systems
- Load tables are based on a maximum deflection of 1/200 span
- If CABTRAY is filled nominally with cables, spans that can be supported are:

CT50EZ - Electro Zinc 2M
CT100EZ - Electro Zinc 2M

CABTRAY LOADING VS SUPPORT DISTANCE (50MM CABTRAY ELECTRO ZINC)



CABTRAY LOADING VS SUPPORT DISTANCE (100MM CABTRAY ELECTRO ZINC)



CABTRAY TRAY JOINERS CABLOK® COMPOSITE CONNECTORS

CABLOK® is a unique solution to the joining of CABTRAY, the leading wire mesh cable tray system. Comprising a high impact GRP moulding and a metal backing plate, this PATENTED composite joining system provides new levels of connection with a particular emphasis on the joining of cable trays.

Providing new levels of economy the 3 connectors allow the freedom to expand, join and form the cable tray around corners and easily accomplish direction changes. The metal plate maintains the integrity of the system whilst providing electrical continuity between sections. The CABLOK® system is a true mid-span capable joining system and indicates the number of connectors suggested to obtain this loading performance.

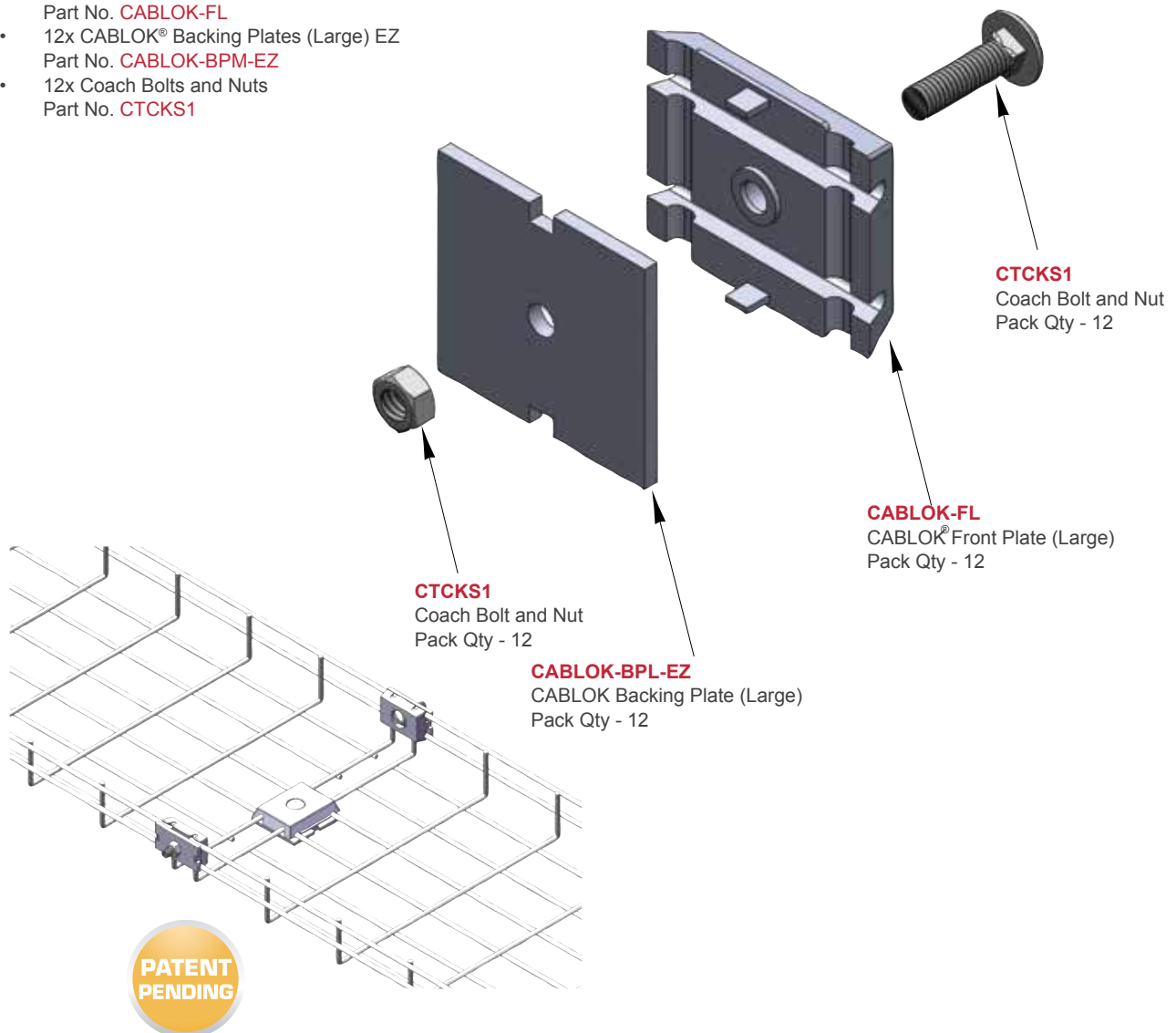
CABLOK® JOINTING KIT (LARGE)

Part No. **CABLOK-L**

- A multi-position connector for the joining of 100mm high CABTRAY at the side position and in combination with CABLOK®.

Kit Contains:

- 12x CABLOK® Front Plates (Large)
Part No. **CABLOK-FL**
- 12x CABLOK® Backing Plates (Large) EZ
Part No. **CABLOK-BPM-EZ**
- 12x Coach Bolts and Nuts
Part No. **CTCKS1**



CABTRAY

CABTRAY TRAY JOINERS CABLOK® COMPOSITE CONNECTORS

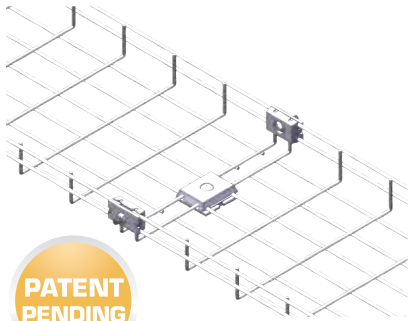
CABLOK® JOINTING KIT (MEDIUM)

Part No. **CABLOK-M**

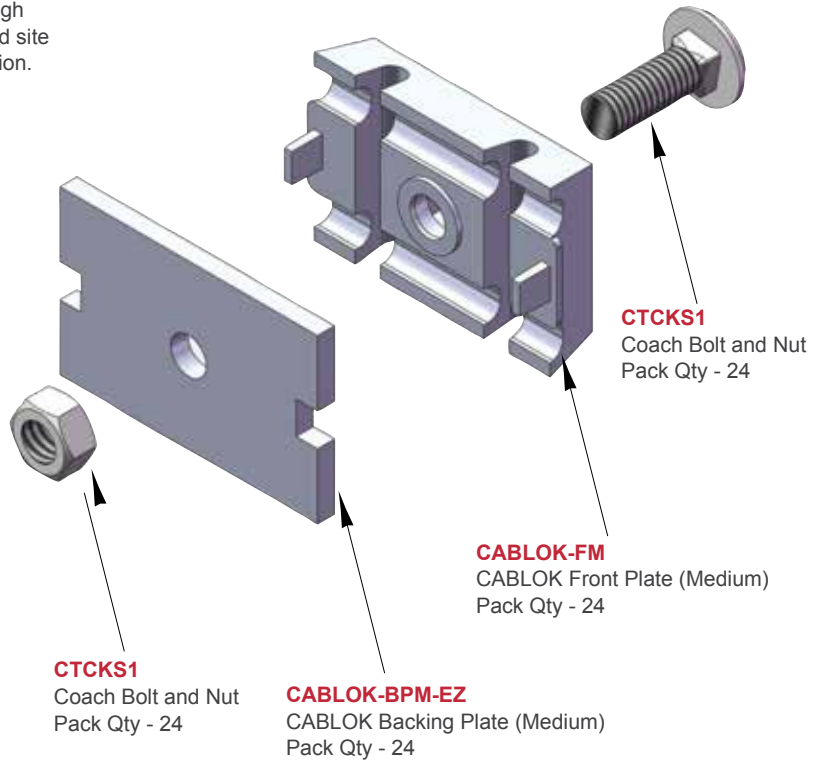
A multi-position connector for the joining of 50mm high CABTRAY at the side position and for the joining and site construction of bends and various changes of direction.

Kit Contains:

- 24x CABLOK® Front Plates (Medium)
Part No. **CABLOK-FM**
- 24x CABLOK® Backing Plates (Medium) EZ
Part No. **CABLOK-BPM-EZ**
- 24x Coach Bolts and Nuts
Part No. **CTCKS1**



**PATENT
PENDING**



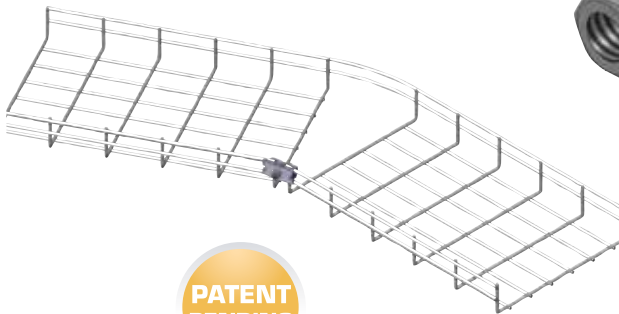
CABLOK® JOINTING KIT (SMALL)

Part No. **CABLOK-S**

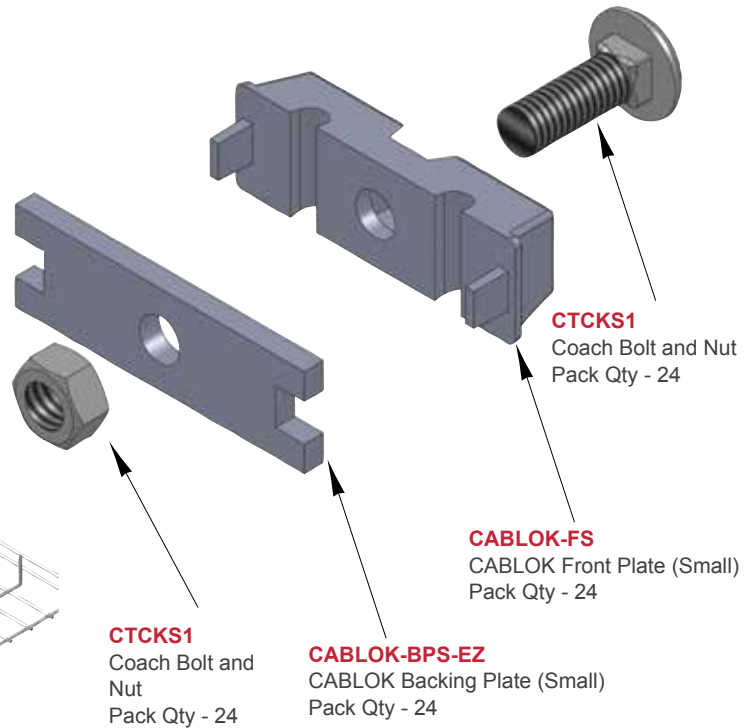
- A connector primarily for use in the construction of site radius bends and changes of direction.

Kit Contains:

- 24x CABLOK Front Plates (Small)
Part No. **CABLOK-FS**
- 24x CABLOK Backing Plates (Small) EZ
Part No. **CABLOK-BPS-EZ**
- 24x Coach Bolts and Nuts
Part No. **CTCKS1**



**PATENT
PENDING**



CABTRAY TRAY JOINERS

TRAY JOINER KIT (100MM)

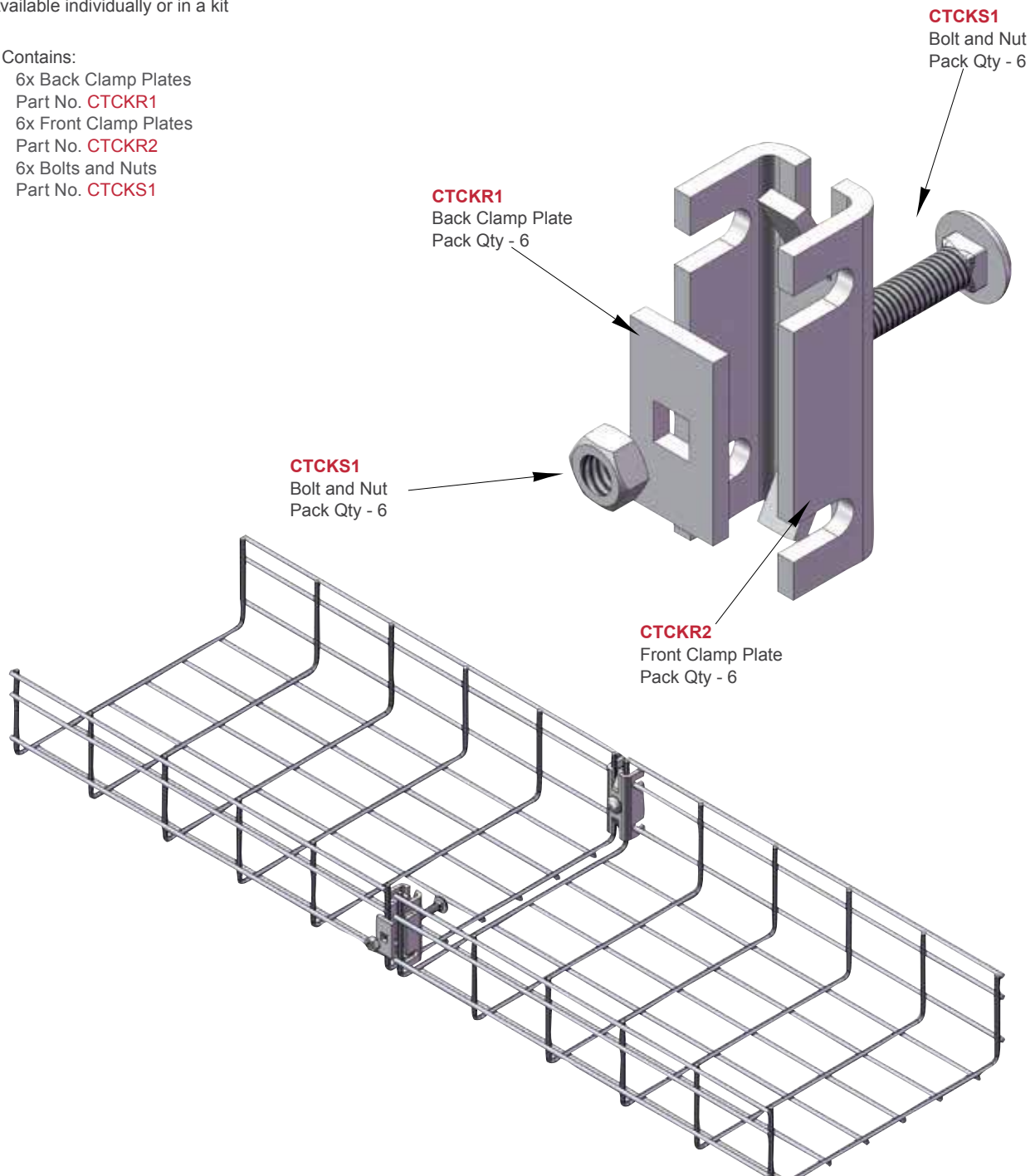
Part No. CTCKR

A unique tray splicing kit incorporating multiple wire locking slots and heavy-duty construction, ensuring the tray can be joined mid-span and still sustain the loads required.

- Mid-span splice capable when used in accordance with the table, featured on page 5 of this brochure
- Fast and simple to install
- Only 1 bolt per connector
- Available individually or in a kit

Kit Contains:

- 6x Back Clamp Plates
Part No. CTCKR1
- 6x Front Clamp Plates
Part No. CTCKR2
- 6x Bolts and Nuts
Part No. CTCKS1



TRAY JOINER KIT (50MM)

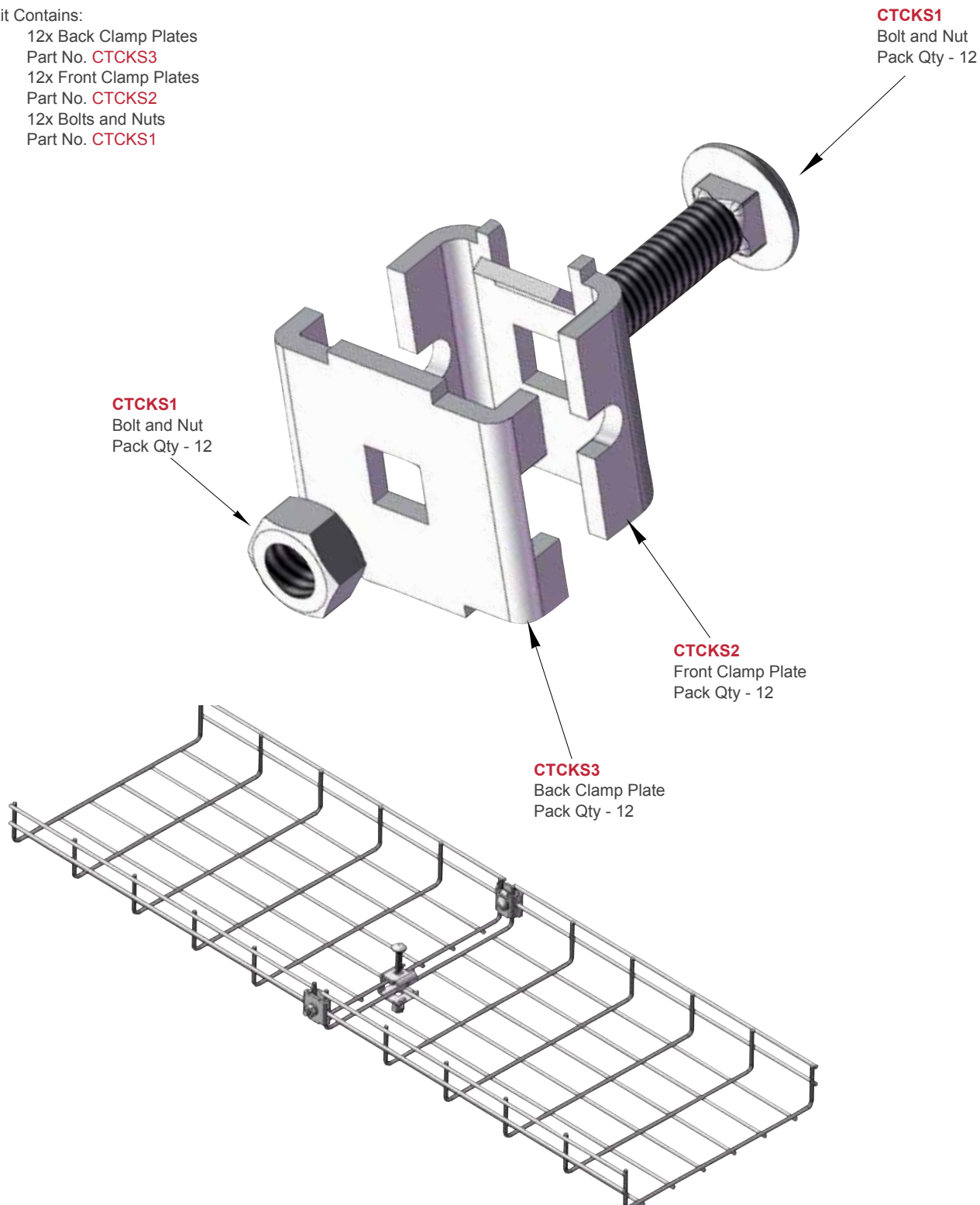
Part No. **CTCK30K**

A unique tray splicing kit incorporating wire locking slot and heavy-duty construction ensuring the tray can be joined mid-span and still sustain the loads required.

- Mid-span splice capable when used in accordance with the table, featured on page 5 of this brochure
- Fast and simple to install
- Used to splice tray and create bends and tees
- Kit components available individually or in a kit

Kit Contains:

- 12x Back Clamp Plates
Part No. **CTCKS3**
- 12x Front Clamp Plates
Part No. **CTCKS2**
- 12x Bolts and Nuts
Part No. **CTCKS1**



TRAY JOINER KIT (90° BENDS)

Part No. CTC40BK

A unique tray splicing kit incorporating multiple wire locking slots and heavy-duty construction enabling combination of the two plates to be used for making simple bends, sweeping bends and variable adjustments.

- Used for both 50mm and 100mm high trays
- Fast and simple to install
- Used to splice trays and create bends and tees
- Only 1 bolt per connector
- Kit components available individually or in a kit

Kit Contains:

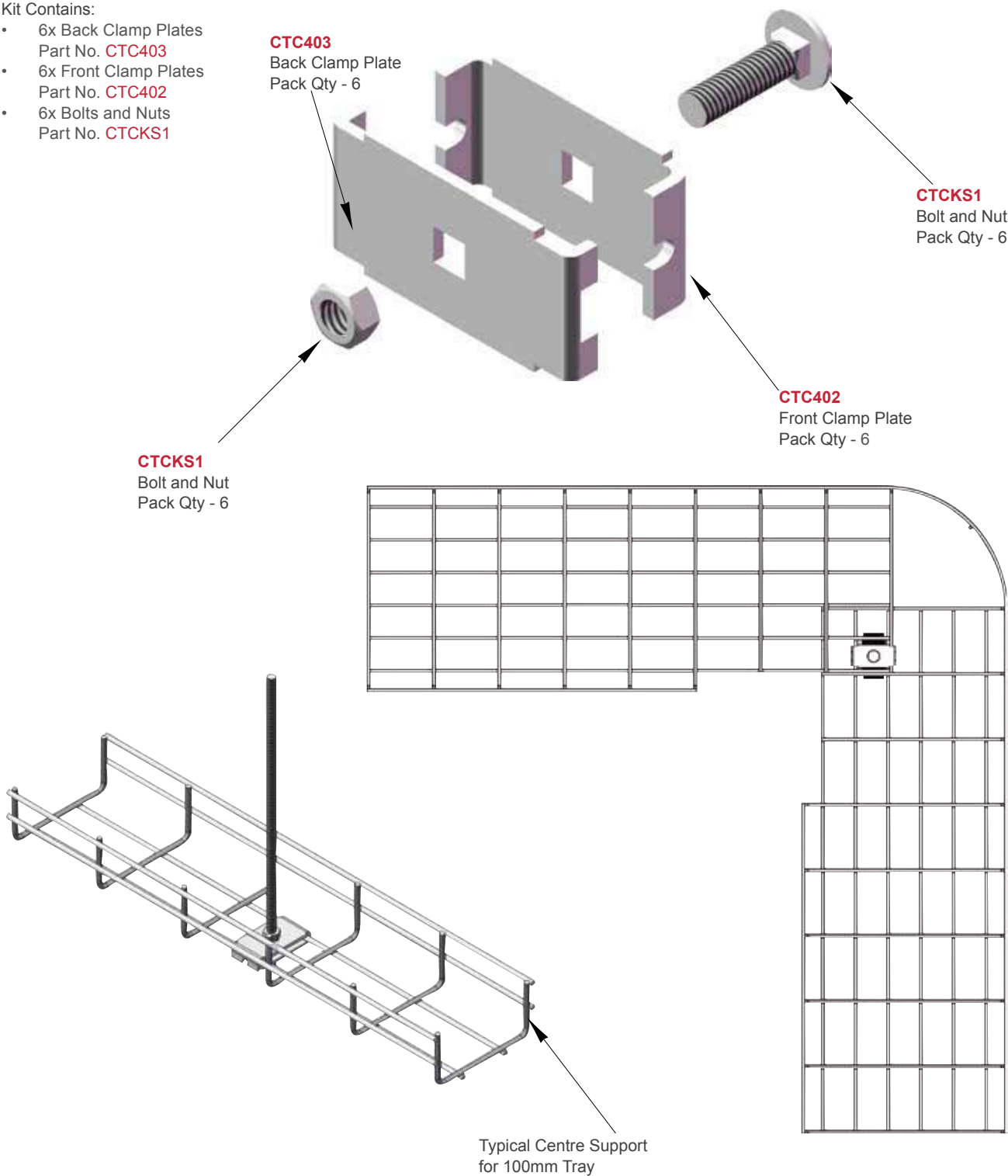
- 6x Back Clamp Plates
Part No. **CTC403**
- 6x Front Clamp Plates
Part No. **CTC402**
- 6x Bolts and Nuts
Part No. **CTCKS1**

CTC403
Back Clamp Plate
Pack Qty - 6

CTCKS1
Bolt and Nut
Pack Qty - 6

CTC402
Front Clamp Plate
Pack Qty - 6

CTCKS1
Bolt and Nut
Pack Qty - 6



Typical Centre Support
for 100mm Tray

CABTRAY

CABTRAY SUPPORT SYSTEMS

UNIVERSAL TRAPEZE SUPPORT

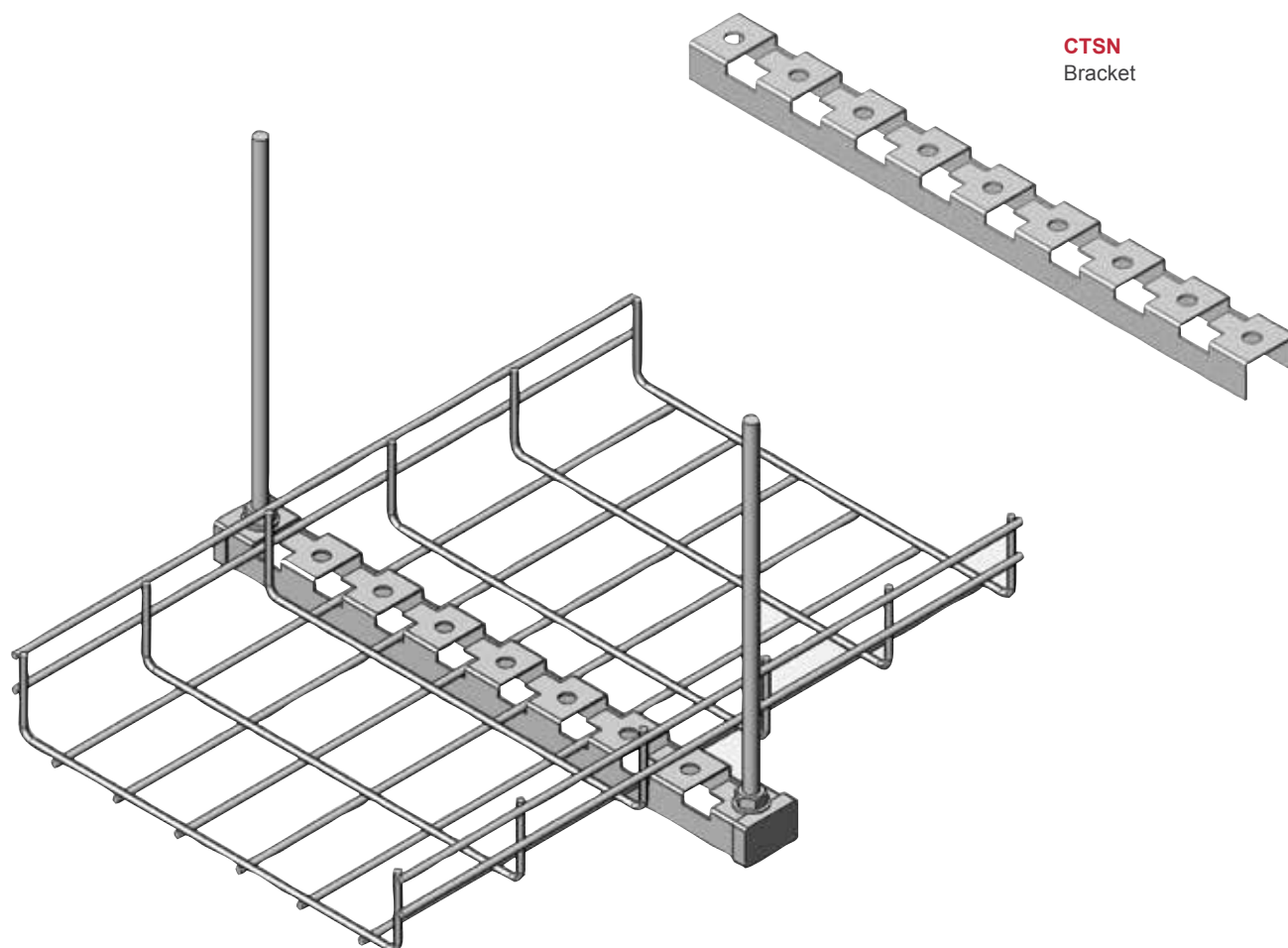
- The CABTRAY universal trapeze support rail accommodates 12mm threaded rods and incorporates the unique TABLOK® system
- The rail is available in custom lengths or 3 metre lengths
- Available in Electro Zinc (EZ). **Hot Dipped Galvanised (HD)** and **Stainless Steel (SS)** can be manufactured to order.



Part No.	Tray Width	Overall Bracket Length (mm)	Pack Qty
CTSN100EZ	100	200	1
CTSN150EZ	150	250	1
CTSN200EZ	200	300	1
CTSN300EZ	300	400	1
CTSN400EZ	400	500	1
CTSN500EZ	500	600	1
CTSN600EZ	600	700	1
CTSN3000EZ	-	3000	1

A UNIVERSAL TRAPEZE SUPPORT RAIL

- Incorporating the unique TABLOK® system
- Will accept up to 12mm threaded rods
- Available as custom sized tray lengths or 3 metre lengths



UNIVERSAL WALL BRACKET

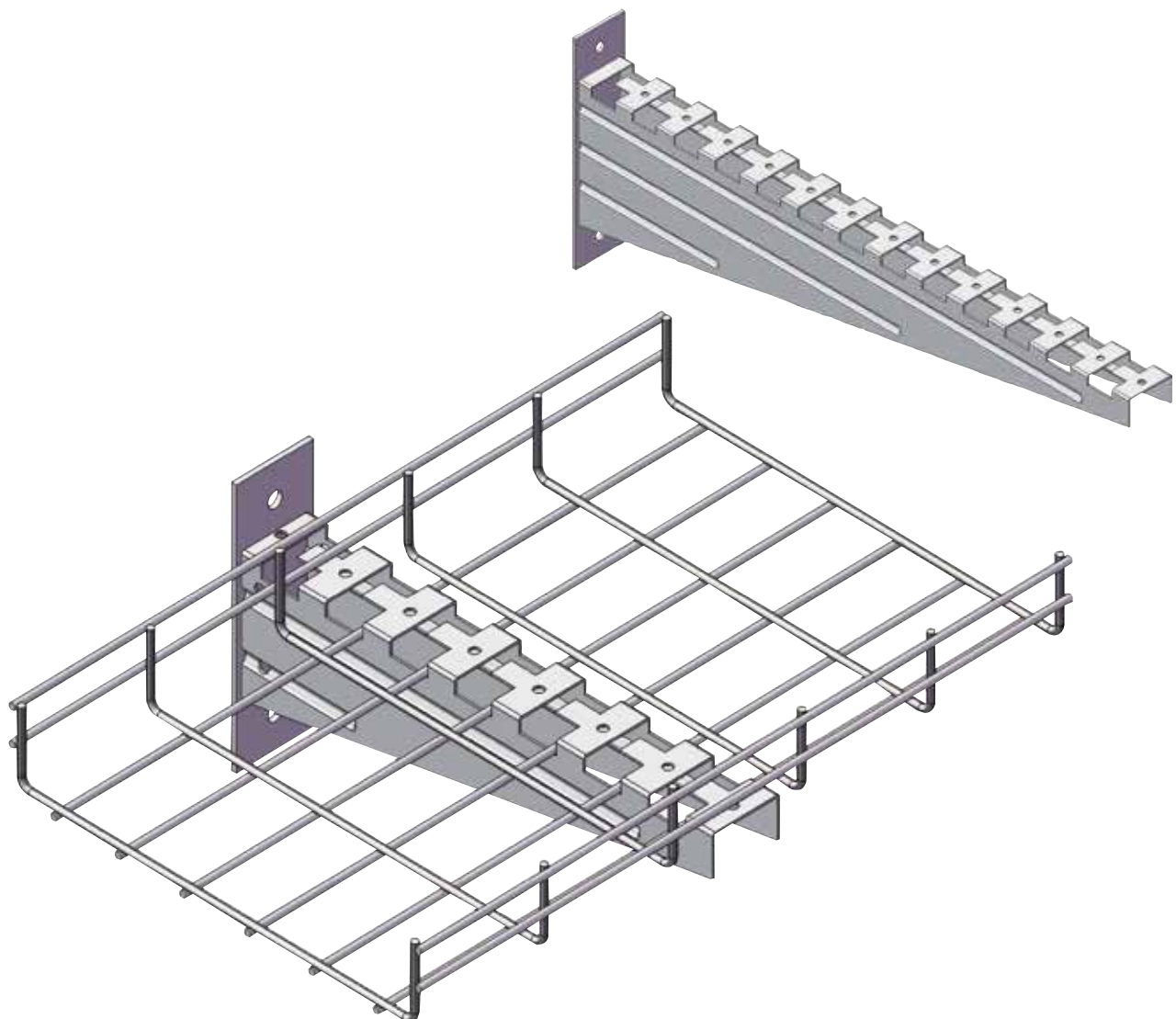
- The CABTRAY universal wall bracket is used to mount cable tray installations on to walls and incorporates the unique TABLOK® system
- The bracket features a large mounting plate with provision for up to 10mm fixings
- Available in Electro Zinc (EZ). **Hot Dipped Galvanised (HD)** and **Stainless Steel (SS)** can be manufactured to order.



Part No.	Tray Width	Overall Bracket Length (mm)	Pack Qty
CTU100EZ	100	120	1
CTU150EZ	150	170	1
CTU200EZ	200	250	1
CTU300EZ	300	350	1
CTU400EZ	400	450	1
CTU500EZ	500	550	1
CTU600EZ	600	650	1

A UNIVERSAL WALL BRACKET FOR CABLE TRAY INSTALLATION ONTO WALLS

- Incorporating the unique TABLOK® system
- Large wall mounting plates with provision for up to 10mm fixings



CENTRE SUPPORT BRACKET

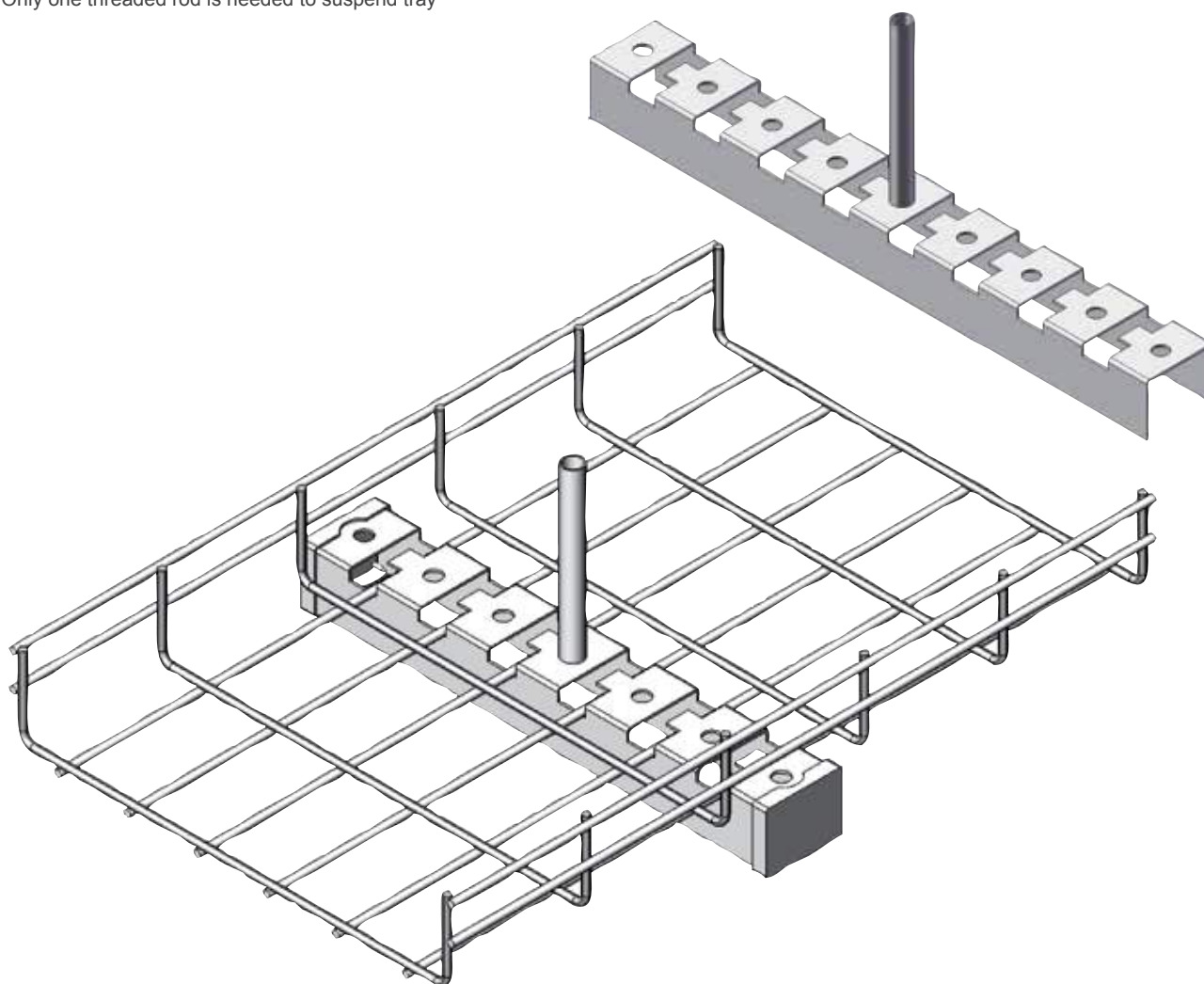
- The CTCH Universal Centre Support Bracket incorporates the unique TABLOK® system where only one threaded rod is needed to suspend tray
- Threaded rods, nuts and bolts sold separately
- Available in Electro Zinc (EZ). **Hot Dipped Galvanised (HD) and Stainless Steel (SS) can be manufactured to order.**



Part No.	Tray Width	Overall Bracket Length (mm)	Pack Qty
CTCH100EZ	100	125	1
CTCH150EZ	150	170	1
CTCH200EZ	200	250	1
CTCH300EZ	300	325	1
CTCH400EZ	400	425	1
CTCH500EZ	500	525	1
CTCH600EZ	600	625	1

A UNIVERSAL CENTRE SUPPORT SYSTEM

- Incorporating the unique TABLOK® system
- Only one threaded rod is needed to suspend tray



UNIVERSAL RAIL BRACKET

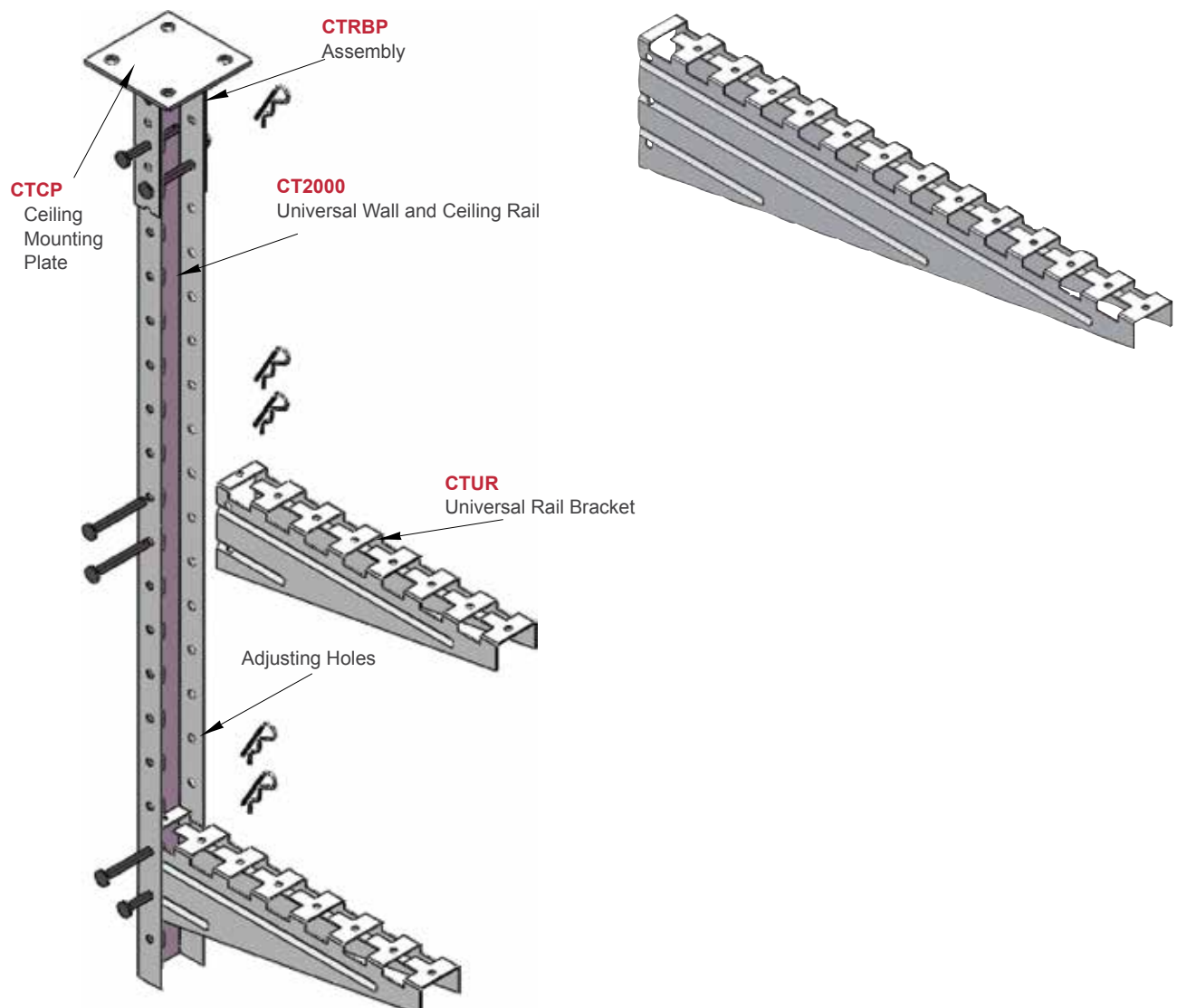


- The CABTRAY universal rail bracket is used with the universal wall and ceiling rail (Part No. CT2000) and incorporates the unique TABLOK® system
- The bracket provides a simple connection with pins and clips or nuts and bolts
- Available in Electro Zinc (EZ). **Hot Dipped Galvanised (HD) and Stainless Steel (SS) can be manufactured to order.**

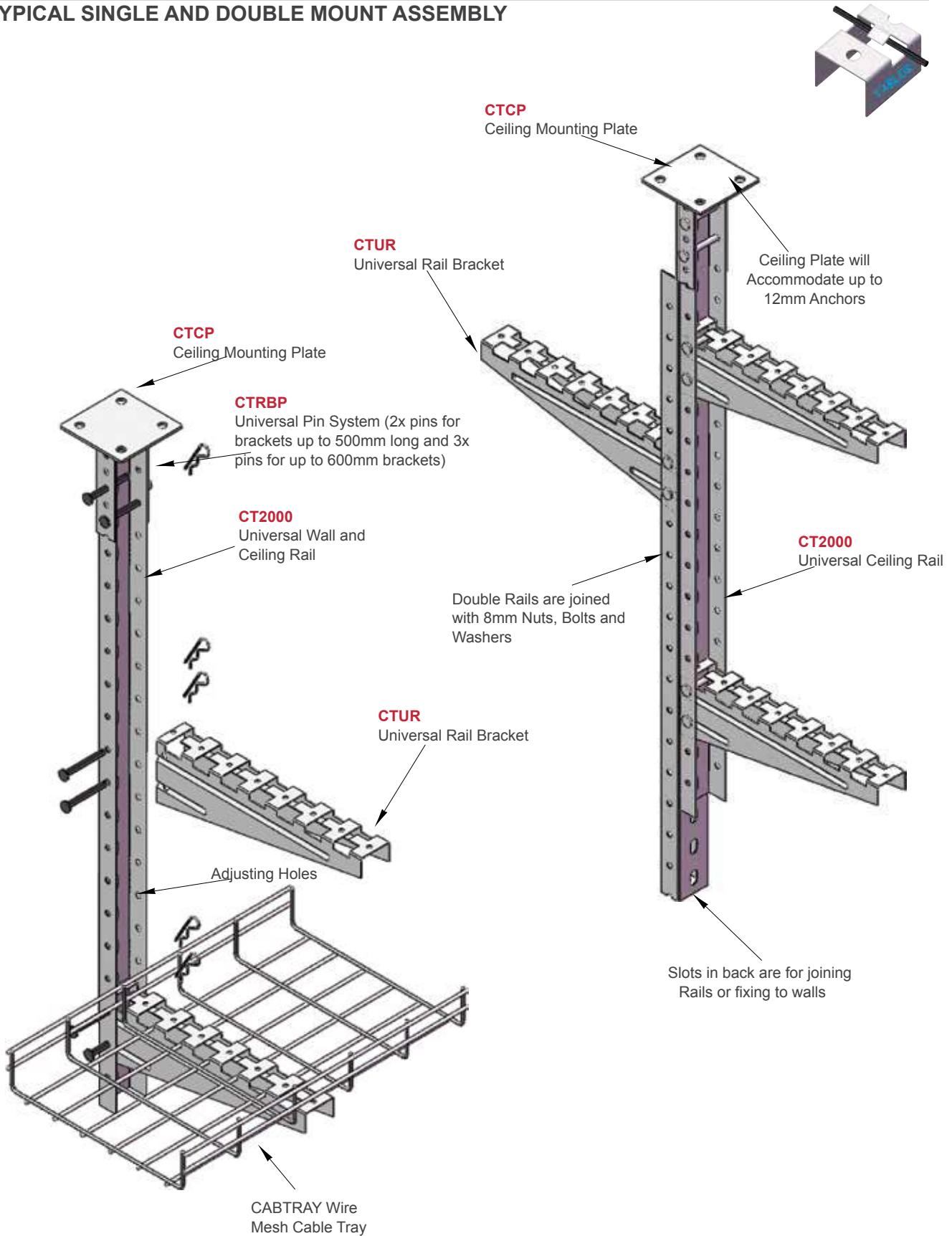
Part No.	Tray Width	Overall Bracket Length (mm)	Pack Qty
CTUR100EZ	100	145	1
CTUR150EZ	150	195	1
CTUR200EZ	200	275	1
CTUR300EZ	300	370	1
CTUR400EZ	400	475	1
CTUR500EZ	500	575	1
CTUR600EZ	600	675	1

A UNIVERSAL SUPPORT BRACKET FOR USE WITH THE CT2000 RAIL

- Incorporating the unique TABLOK® system
- Simple connection with pins and clips or nuts and bolts



TYPICAL SINGLE AND DOUBLE MOUNT ASSEMBLY

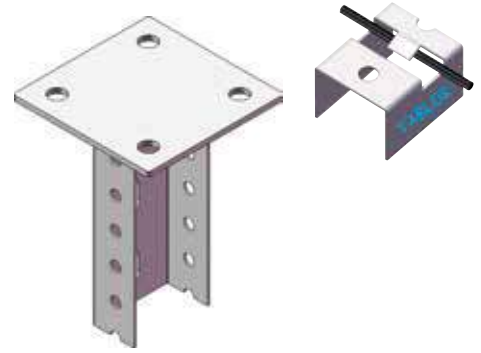


NB: Nuts and bolts may be used in lieu of the pin system (8mm nuts and bolts)

CEILING MOUNTING PLATE

Part No. CTCPEZ

- Used to hang a CT2000 rail from ceiling
- Can be joined with 8mm nuts and bolts or CTRBP pins and clips
- Large mounting plate to ensure easy fixing
- 1 per pack



UNIVERSAL WALL AND CEILING SUPPORT RAIL

- Used in conjunction with CTUR brackets and CTRBP connectors
- Is an ideal trapeze support where heavy loads are encountered
- Supplied in 2 metre lengths

Part No.	Description	Unit	Qty
CT2000	UNI WALL & CEILING SUPPORT RAIL 2000mm	EA	1
CT3000EZ	UNI WALL & CEILING SUPPORT RAIL 3000mm	EA	1



UNIVERSAL RAIL BRACKET PIN SYSTEM

Part No. CTRBP

- Fits all sized brackets
- Manufactured from spring steel
- 2 pins required for brackets up to 500mm wide
- 3 pins required for 600mm brackets
- Pack of 25



CEILING HINGE PLATE

Part No. CTCPH

- Used to hang a CT2000 rail
- CABTRAY joined with 8mm nuts and bolts or CTRBP pins and clips
- Large mounting plate
- 1 per pack



CABTRAY

CABTRAY BRACKETS

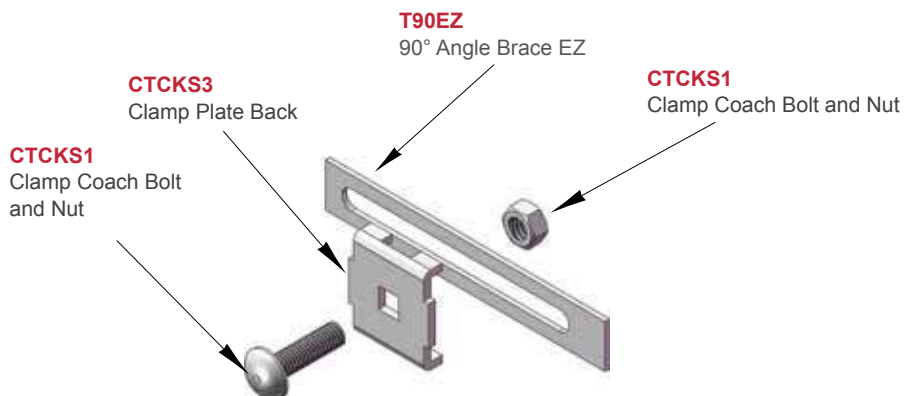
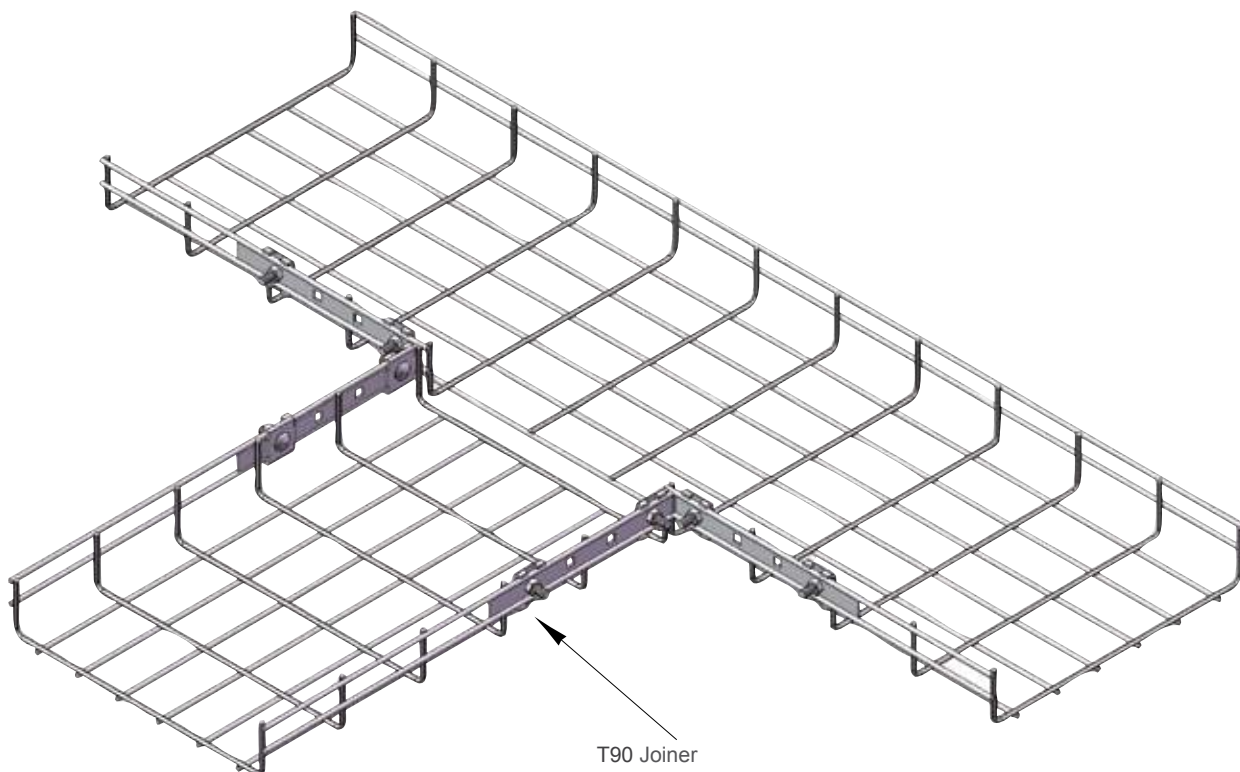
TEES AND CROSSES TRAY SPLICING KIT

Part No. CTC90K

- A tray splicing kit to simplify the on site manufacture of bends where
- Precise adjustment may be necessary.
- Fast and simple to install
- Slotted design allows for adjustment
- Lock in keeper plate
- Maintains strength of system without need of additional support
- 1 per pack

Kit Contains:

- 2x 90° Pre-Galvanised Braces
Part No. **CTCKS3**
- 8x Coach Bolts and Nuts (8mm)
Part No. **CTCKS1**

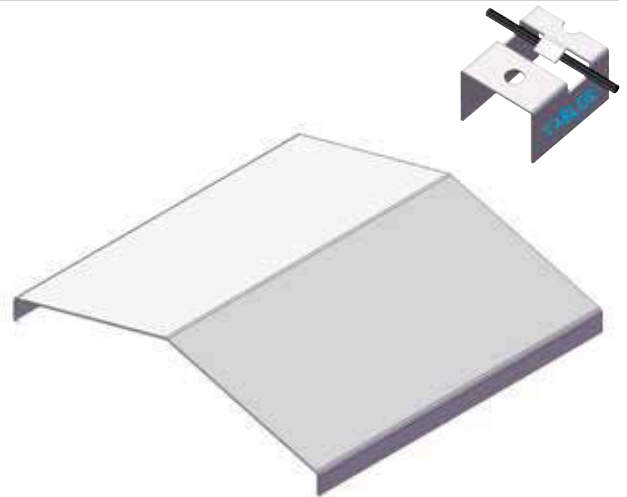


CABTRAY ACCESSORIES

CABTRAY COVER

- Flat covers are supplied with a 5° repose angle
- Covers are manufactured in 2m lengths
- Available in Electro Zinc finish

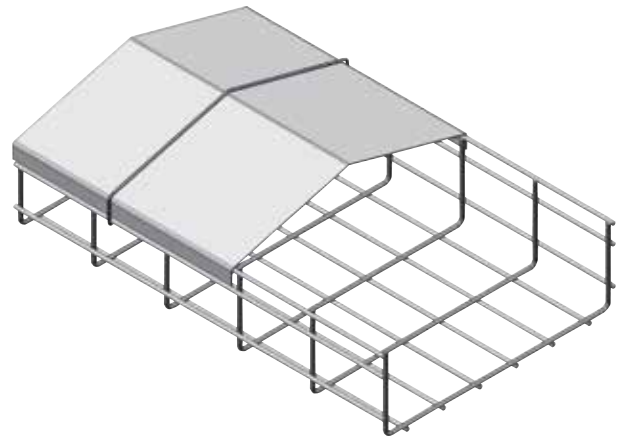
Part No.	Tray Width	Pack Qty
CTC100R	100	1
CTC150R	150	1
CTC200R	200	1
CTC300R	300	1
CTC400R	400	1
CTC500R	500	1
CTC600R	600	1



CABTRAY COVER CLIP

- Available to suit all covers
 - Manufactured from spring steel
 - 3 clips per cover recommended for internal use
 - Available in Electro Zinc finish
- Note: For external use please contact us

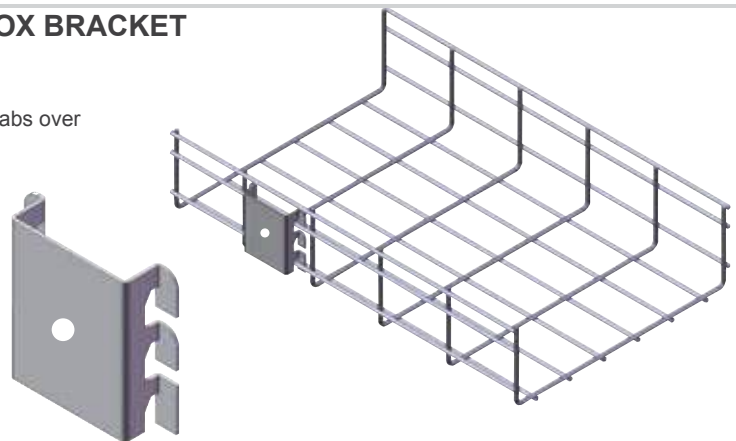
Part No.	Tray Width	Pack Qty
CC100M	100	1
CC150M	150	1
CC200M	200	1
CC300M	300	1
CC400M	400	1
CC500M	500	1
CC600M	600	1



SIDE MOUNT AND SMALL JUNCTION BOX BRACKET

Part No. CT50JB

- Can be used to mount 50mm wide trays to the wall
- No nuts or bolts required to mount tray - simply bend tabs over
- Ideal for mounting junction boxes or conduits
- 1 per pack

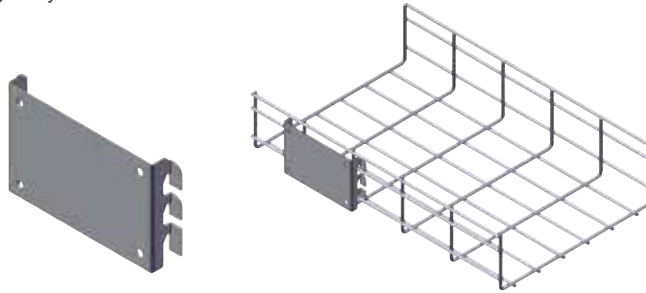


CABTRAY

JUNCTION BOX BRACKET (LARGE)

Part No. CT100JB

- The CABTRAY Large Junction Box Bracket is used to mount a large variety of junction or specific electrical boxes to the side of tray.
- Equally suitable for 50 or 100mm high trays
- 1 per pack





COT DIVIDER STRIP

- For wire separation within a single cable tray
- Available in 50mm high as standard
- Field fabricate with tin snips for vertical and horizontal transitions
- Quick attachment system by bending tabs around wires





Part No.	Description	Length	Weight	Pack Qty
CTD50EZ	COT DIVIDER STRIP	3M	0.86kg	1

EARTHING SPLIT BOLT

- Use to earth any width of CABTRAY

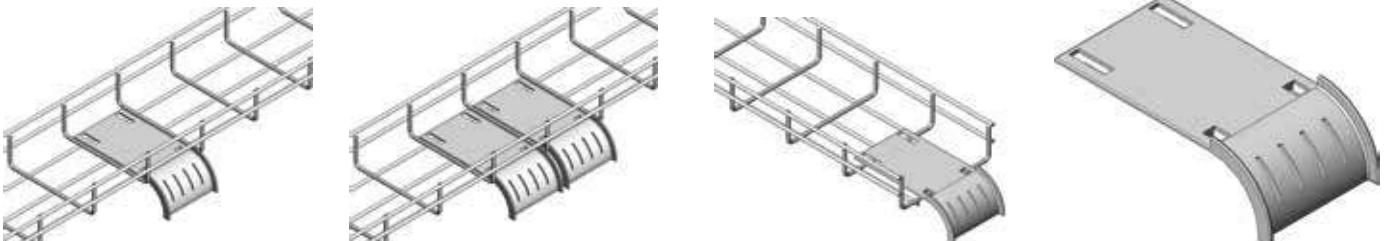
Part No.	Description	Weight	Pack Qty
SBC22T	EARTHING SPLIT BOLT	1.55kg	50

CABLE EXIT DROP OUT

- A high impact glass filled plastic cable exit device for use with all widths of CABTRAY. The cable exit device incorporates moulded attachment ears and cable lips to the sides. Eminently suitable for use with electrical cables or data and fibre

Part No.	Description	Weight	Width	Pack Qty
CABDROPOUT	CABLE EXIT DROP OUT	250g	90mm	1



CABTRAY BENDS

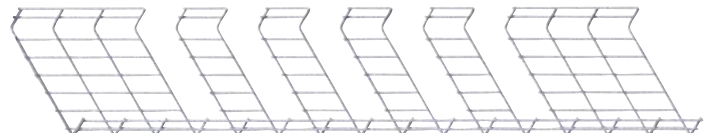
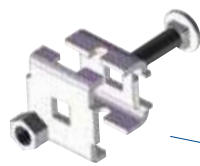
SWEEPING 90° BEND ASSEMBLY (150-600MM)

Tray Width (mm)	No. of CTCK30K required	No. of CTC40BK required	No. of segments to remove (as diagram below)
150	-	4	4
200	2	2	4
300	4	2	6
400	6	2	8
500	9	-	9
600	11	-	11

Part No. CTCK30K

Kit Contains:

- 12x Bolts and Nuts
Part No. **CTCKS1**
- 12x Front Clamp Plates
Part No. **CTCKS2**
- 12x Back Clamp Plates
Part No. **CTCKS3**

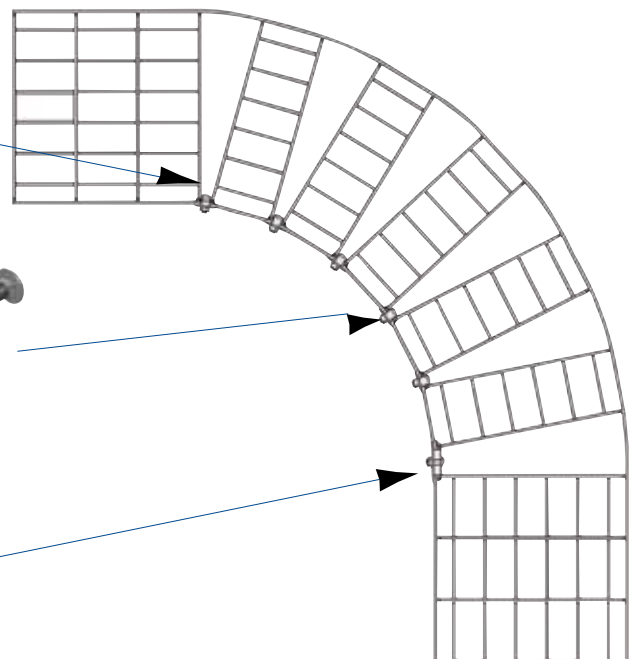


Cut tray in segments as shown

Part No. CABLOK-S

Kit Contains:

- 24x CABLOK Front Plate (Small)
Part No. **CABLOK-FS**
- 24x CABLOK Back Plates (Small) EZ
Part No. **CABLOK-BPS-EZ**
- 24x Bolts and Nuts
Part No. **CTCKS1**



Part No. CTC40BK

Kit Contains:

- 6x Bolts and nuts
Part No. **CTCKS1**
- 6x Back Clamp Plates
Part No. **CTC402**
- 6x Front Clamp Plates
Part No. **CTC403**

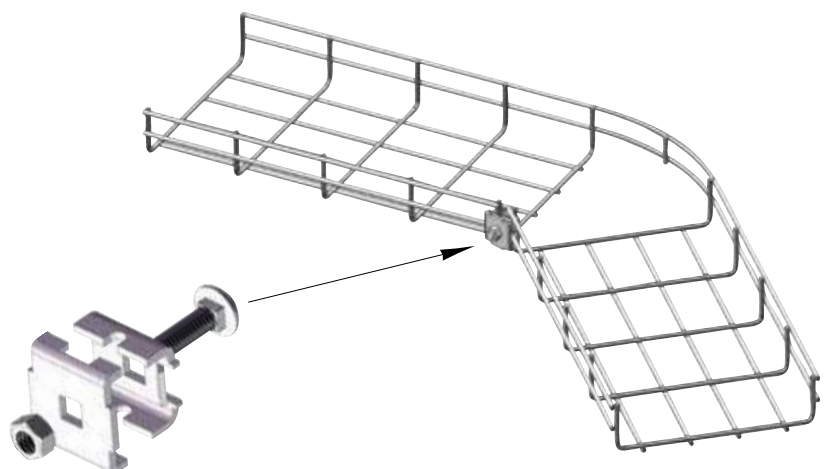


45° BEND ASSEMBLY (200-600MM)

Part No. CTCK30K

Kit Contains:

- 12x Bolts and Nuts
Part No. **CTCKS1**
- 12x Back Clamp Plates
Part No. **CTCKS2**
- 12x Front Clamp Plates
Part No. **CTCKS3**



CABTRAY

CABTRAY HARDWARE FOR SUSPENSION SYSTEMS

HEX NUTS

Part No.	Diameter (mm)	Weight (kg)	Pack Qty
M8EZN	8	0.49	100
M10EZN	10	0.91	100
M12EZN	12	1.42	100



FLAT WASHERS

Part No.	Diameter (mm)	Weight (kg)	Pack Qty
M8EZW	8	0.13	100
M10EZW	10	0.29	100
M12EZW	12	0.33	100



THREADED RODS

Part No.	Length (M)	Diameter (mm)	Weight (kg)	Pack Qty
M8ZTR-3	3	8	0.92	1
M10ZTR-3	3	10	1.44	1
M12ZTR-3	3	12	2.12	1

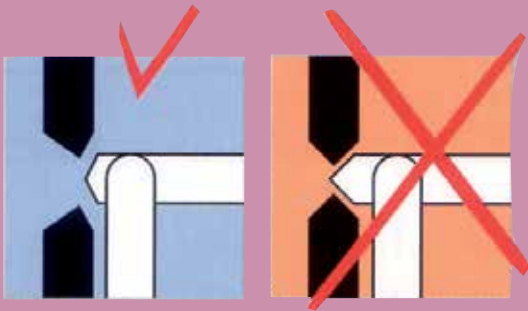


CABTRAY Accessories on Site

HOW TO CUT THE GRID

Always use Asymmetrical Cut Wire Cutters.

Cut as close as you can to where the horizontal and vertical rods cross each other, at the position shown.



Asymmetrical Cut Wire Cutters



Cut Position



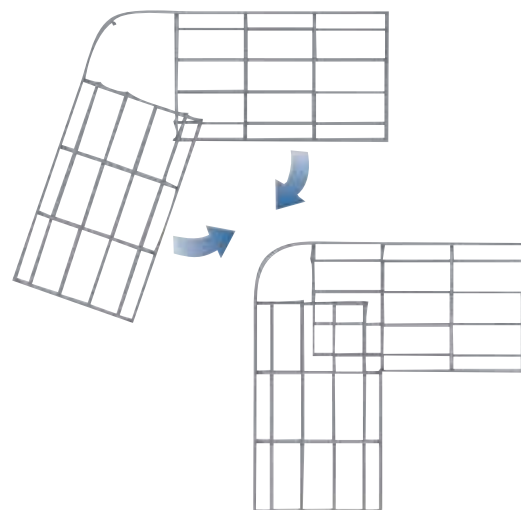
Side Cutting



Boltcutter (KBC24)

MAKING BENDS, T-SECTIONS, ETC.

Cut - Bend - Join



CABTRAY – Why you need it!

CABTRAY at 1000°C



CABTRAY FIRE RATING

CABTRAY has been fully tested to AS3013 which is the Essential Services Fire Test Standard. CABTRAY passed with a 100% success. The tests were carried out at the CSIRO fire chamber in North Ryde, Sydney in June 2007. The test subjects the tray to 1000°C for two hours, and the tray must still be standing and carrying the nominated load. Test certificates are available on request.

Lighting and Energy Efficiency

Dimmers	E676
Timers, Sensors and Relays	E677
USB Chargers	E681
Wall Timers	E681
Outdoor Switches	E683
Application Kits	E683
Remote Switching	E685
Ripple Filters	E685
Accessories	E685



Smart Living
Every home deserves the best



**Timers, Switches,
Relays**



Dimmers



Wall Timers



Outdoor Switches



Wireless Switching



USB Chargers



All of our S-Click products are compatible with HPM and Clipsal wall plates.



S-Click™ SMART LIVING Range

The modular S-Click™ Smart Living range is Australia's largest; with a choice for almost any application. The entire S-Click™ range is simple to install, easy to use and creates a new, modern look for your home.

The range includes solutions for bedrooms, kitchens, hallways, dining rooms, outdoor living rooms, bathrooms, heat lamps, fans, exhaust fans, spa air pumps, towel rails, laundries, meeting rooms, workspaces, robes, pantries, cellars, garages, garden lighting, water features, security lighting, and charging for smart phones, tablets and portable USB devices. Smart Living - Every home deserves the best.

DIGITAL DIMMER™ RANGE

Part No.	Description	Suggested Use	
HNS610DT	Push Button Digital Dimmer™	Dimmable LED & CFL Lighting & Multitway Dimming	 HNS610DT HNS620DT HNS630DT HNS020RB
HNS620DT	Rotary Digital Dimmer™ Switch	Dimmable LED & CFL Lighting & Multitway Dimming	
HNS630DT	Rotary Digital Dimmer™	Dimmable LED & CFL Lighting Dual Switch Compatible	
HNS020RB	Remote Button	Use with Dimmer and 3-Wire Timers and Switches Only	

FANS, MOTORS, COMMERCIAL LIGHTS, TIMERS, SWITCHES, RELAYS & SENSORS

Part No.	Description	Suggested Use	
HNS440TM	Minute Timer 3-Wire	Heat Lamps, Fans, Exhaust Fans, Spa Air Pump	 HNS440TM HNS450TM HNS460SW HNS210TD
HNS450TM	Hour Timer 3-Wire	Small Pool Pumps, Water Features, Garden & Decorative Lighting	
HNS460SW	Electronic Switch 3-Wire	Exhaust Fans, Garden & Decorative Lighting	
HNS010RL	Booster Relay 3-Wire	Large Pool Pumps, Electrical Motors & Timed Power Points	 HNS010RL HNS050MD HNS060MD HNS220TD
HNS050MD	Light Sensitive Motion Detector 3-Wire	Meeting Rooms, Workspaces	
HNS060MD	Continuous Motion Detector 3-Wire	Bathrooms, Office Bathrooms & Laundries	
HNS210TD	Heavy-Duty Timer Switch 3-Wire	Suitable for majority of applications especially suited for fan motors	
HNS220TD	Advanced Heavy-Duty Timer Switch 3-Wire	Improved compatible replacement for Clipsal 2031VETR3 and 32VETR3	

MULTIWAY DIMMING

Part No.	Description	Suggested Use	
HNS610DSDK	Dual Switching Dimmer Kit HNS610DT & HNS020RB	Multitway dimming	

DOMESTIC TIMERS & SWITCHES

Part No.	Description	Suggested Use	
HNS410TM	Minute Timer 2-Wire	Lights - Hallway, Garages, Laundries, Wardrobes	 HNS410TM HNS420TM HNS430SW
HNS420TM	Hour Timer 2-Wire	Heated Towel Rail (<400W), Heated Mirrors, Security Lighting, Garden and Decorative Lighting	
HNS430SW	Electronic Switch 2-Wire	Lights, Heaters, Garden Lighting	

ROUTINE TIMERS

Part No.	Description	Suggested Use	
HNS710RT	Routine Timer	Towel Rails, Security Lighting, Heated Mirrors	

CHARGERS

Part No.	Description	Suggested Use	
HNS070UC	5W USB Charger 3-Wire	Use for charging Apple™, Samsung™ and all other phone and tablet brands. Charge other USB devices.	

KITS

Part No.	Description	Suggested Use	
HNS710RT-KIT	Towel Rail Timer Kit 2-Wire	350W Max Load: Heated Towel Rail, Heated Mirrors, Outdoor Lights	 HNS710RT-KIT HNS442FF HNS443BK HNS444BK
HNS442FF	Follow-On Fan Kit	Bathrooms, Office Bathrooms, Laundries, Change Rooms	
HNS443BK	3 in 1 Bathroom Timer Kit 3-Wire	1200W for Bathroom Heat/Light/Fan Units	
HNS444BK	4 in 1 Bathroom Timer Kit 3-Wire	2400W for Bathroom Heat/Light/Fan Units	

Sunset Switch Weatherproof 16A IP66

- Upgraded 4 in 1 patented design - choose between standard, timer, energy saving ECO and real time modes



Part No. HSC110SS

Radio Switch Kit

- Put switches anywhere with no switch wiring needed, saving time and money



Part No. HNS310RK

Ripple Signal Filter

- Eliminates off peak ripple tones in certain geographical areas in NSW and QLD



Part No. HNS030RF-1050 for 1050Hz
Part No. HNS030RF-750 for 750Hz

LIGHTING AND ENERGY EFFICIENCY

DIMMERS

S-CLICK ROTARY DIMMERS

ROTARY DIGITAL DIMMER SW 2-W 240V 350V

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS620DT

- Rotary digital dimmer and push button 'on/off' switch in one
- perfect for dimmable LED lighting
- Suits HPM, Clipsal, Voltrex and Traders wall plates, with knobs
- World's lowest standby power - 100mW
- Patented ripple tone rejection



ROTARY DIGITAL DIMMER 2-WIRE 240V 350V

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS630DT

- Rotary digital dimmer - perfect for dimmable LED lighting
- Suits HPM, Clipsal, Voltrex and Traders wall plates, with knobs
- Separate on/off switch required
- Compatible with S-Click 3-Wire timers and switches



ROTARY DIG DIMMER SW S-PREMIUM 240V 350W

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS626DT

- Rotary Digital Dimmer and push button 'on/off' switch in one
- Perfect for dimmable LED lighting
- Suits Clipsal Saturn and Saturn Zen style wall plates
- Patented ripple tone rejection



ROTARY DIG DIMMER S-PREMIUM 240V 350W

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS636DT

- Rotary digital dimmer - perfect for dimmable LED lighting
- Suits Clipsal Saturn and Saturn Zen style wall plates
- Separate on/off switch required
- Compatible with S-Click 3-wire timers and switches



S-CLICK PUSH BUTTON

PUSH BUTTON DIGITAL DIMMER 2-W 240V 350W

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS610DT

- An on/off switch in one
- Perfect for dimmable LED lighting
- Suits HPM, Clipsal, Voltrex and Traders wall plates
- Buttons included
- Patented ripple tone rejection



PUSH BTN DIG DIMMER S-PREMIUM 240V 350W

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS616DT

- An 'on/off' switch in one
- Perfect for dimmable LED lighting
- Suits Clipsal Saturn and Saturn Zen style wall plates
- Patented ripple tone rejection



TIMERS, SENSORS AND RELAYS

S-CLICK SWITCHES

ELECTRONIC ON OFF MECH SW 2-W 240V 1.7A

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS430SW

- Electronic 'on/off' light switch with LED indicator
- Quick tap turn 'on' - quick tap turn 'off'
- Can be retrofitted to most installed lights



ELECTRONIC ON OFF MECH SW 3-W 240V 5A

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS460SW

- Electronic 'on/off' power switch with LED indicator
- Quick tap turn 'on' - quick tap turn 'off'
- Can power fans, motors, pumps, contactors and inductive loads



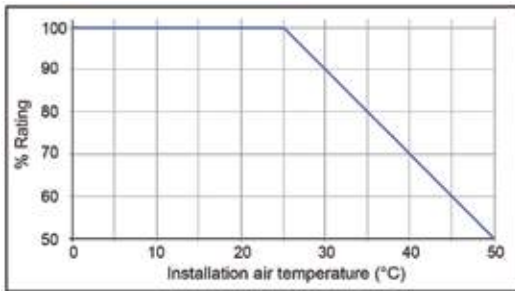
HNS410TM Minute Mech Timer 2-Wire

FEATURES

- Supports Timer and untimed ON modes of operation.
- Blue LED indicates device status.
- User programmable time-out period.
- Programmable in 1 minute increments from 1 to 30 minutes.
- When ON - Quick tap turns power off.
- Quick LED flashing within 10 seconds of time out provides expiry warning.
- Retains setting even after loss of power.
- Compatible with HPM and Clipsal style wall plates.
- Remote switch compatible.
- Time set to 30 minutes out of box.

OPERATING CONDITIONS

- Operating Voltage: 230 – 240V a.c. 50Hz
- Operating Temperature: 0 to +50 °C
- Certified Standard: CISPR15, AS/NZS 3100
- Maximum Load: 400VA*
- Minimum Load: 10VA
- Maximum Current Capacity 1.7A



LOAD COMPATIBILITY

- | | |
|---|-----|
| • Incandescent | √ |
| • 240V Halogen | √ |
| • Fluorescent Tube with electronic ballast: | √** |
| • Fluorescent Tube with iron core ballast | □ |
| • Compact Fluorescent | √** |
| • Electronic Transformer | √ |
| • LED | √** |
| • Wirewound Transformer | □ |
| • Fan Motors | □ |
| • Inductive Loads eg. Contactor/ Relay | □ |

NOTE: Operation at temperature, voltage or load outside of the specifications may cause permanent damage to the unit. When used in ambient temperatures above 25°C the timer must be de-rated according to the chart.

* Check manufacturer's recommendations when putting lamps in parallel.

** Subject to manufacturers recommendations, luminaires and lamps suitable for electronic switches only. Note: Please go to CABAC's website to see a complete list of tested compatible lamps under "Technical Data".

Part No. HNS410TM



For illustration purposes only.



Additional buttons included



Designed, Engineered & Certified to Australian Standards in Australia

S-CLICK MECH TIMERS 2 WIRE

MINUTE MECH TIMER 2-WIRE 240V 1.7A

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS410TM

- 2-in-1 light switch that automatically turns off after a programmed time
- Time delay from 1-30 minutes, in minute increments
- Setting retained even after loss of power
- Can be retrofitted to most installed lights



HOURLY MECH TIMER 2-WIRE 240V 1.7A.

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS420TM

- 2-in-1 light switch that automatically turns off after a programmed time
- Time delay from 1-24 hours, in hour increments
- Setting retained even after loss of power
- Can be retrofitted to most installed lights



HOURLY TIMER S-PREMIUM 2-WIRE 240V 1.7A

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS426TM

- 2-in-1 light switch that automatically turns off after a programmed time
- Time delay from 1-24 hours, in hour increments
- Settings retained even after loss of power
- Suits Clipsal Saturn and Saturn Zen style wall plates



MINUTE TIMER S-PREMIUM 2-WIRE 240V 1.7A

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS416TM

- 2-in-1 light switch that automatically turns off after a programmed time
- Time delay from 1-30 minutes, in minute increments
- Setting retained even after loss of power
- Suits Clipsal Saturn and Saturn Zen style wall plates



S-CLICK MECH TIMERS 3 WIRE

MINUTE MECH TIMER 3-WIRE 240V 5A

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS440TM

- 2-in-1 switch that automatically turns off after a programmed time
- Time delay from 1-30 minutes, in minute increments
- Setting retained even after loss of power
- Can power fans, motors, pumps, contactors and inductive loads



HOURLY MECH TIMER 3-WIRE 240V 5A

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS450TM

- 2-in-1 power switch that automatically turns off after a programmable time
- Time delay from 1-24 hours, in hour increments
- Setting retained even after loss of power
- Can power fans, motors, pumps, contactors and inductive loads



MINUTE TIMER S-PREMIUM 3-WIRE 240V 5A

Unit: EA Qty: 1

 smart switch
TECHNOLOGY



Part No. HNS446TM

- 2-in-1 power switch that automatically turns off after a programmed time
- Time delay from 1-30 minutes, in minute increments
- Setting retained even after loss of power
- Can power fans, motors, pumps, contactors and inductive loads
- Suits Clipsal Saturn and Saturn Zen style wall plates



LIGHTING AND ENERGY EFFICIENCY

HOUR TIMER S-PREMIUM 3-WIRE 240V 5A

Unit: EA Qty: 1

 S-Click smart switch TECHNOLOGY



Part No. HNS456TM

- 2-in-1 power switch that automatically turns off after a programmed time
- Time delay from 1-24 hours, in hour increments
- Setting retained even after loss of power
- Can power fans, motors, pumps, contactors and inductive load
- Suits Clipsal Saturn and Saturn Zen style wall plates



S-CLICK MOTION DETECTORS

LIGHT SENSITIVE MOTION DETECTOR 230V

Unit: EA Qty: 1

 S-Click smart switch TECHNOLOGY



Part No. HNS050MD

- Must be used with S-Click 2-wire and S-Click 3-wire timer switches HNS410TM, HNS420TM, HNS440TM or HNS450TM
- Senses movement and light to trigger S-Click timer switches
- Fits in standard HPM and Clipsal face plates with lenses
- Designed, engineered and manufactured in Australia



CONTINUOUS MOTION DETECTOR 3 WIRE 230V

Unit: EA Qty: 1

 S-Click smart switch TECHNOLOGY



Part No. HNS060MD

- Must be used with S-Click 3-wire timer switches HNS440TM or HNS450TM
- Senses movement to trigger S-Click timer switches
- Fits in standard HPM and Clipsal face plates with lenses
- Designed, engineered and manufactured in Australia



S-CLICK BOOSTER RELAYS

MECH BOOSTER RELAY 3-WIRE 240V 10A

Unit: EA Qty: 1

 S-Click smart switch TECHNOLOGY



Part No. HNS010RL

- Used in conjunction with HNS440TM, HNS450TM or HNS460SW
- Suitable for fans, motors and iron core ballasts
- Can be normally open or normally closed



HNS070UC USB Charger 3-Wire

FEATURES

- Suits Apple™, Samsung™ and all other smartphones, tablet brands or portable USB devices
- Fit up to six (6) USB chargers in 1 wall plate
- Charge your tablet overnight
- High efficiency, only 50mW standby power
- Requires neutral
- Compensates for cable losses
- Suits a wide range Australian wall plates including Clipsal 2000 Series™, C2000™, Saturn™ data, Slimline® Clipsal standard, HPM Excel and Excel Life bezels included

LOAD COMPATIBILITY

- Suitable for Apple™ iPhones®, iPads®, iPods®
- Suitable for Samsung™ Galaxy phones and tablets
- Other applications include:
 - Smartphones
 - Tablets
 - Action cameras
 - eBook readers
 - GPS units
 - MP3/MP4 Players
 - Digital cameras
 - Any portable USB chargeable devices

Part No. **HNS070UC**



NOTE: The HNS070UC is designed to charge portable devices with an internal battery. It should not be used as a continuous use power supply for devices without a battery.



USB CHARGERS

S-CLICK USB CHARGERS

5W USB CHARGER 3WIRE 5.2V 1A

Unit: EA Qty: 1



Part No. **HNS070UC**

- The HNS070UC suits Apple, Samsung and all other smartphones, tablet brands or portable USB devices
- Fit up to 6x USB chargers in 1x wall plate
- High efficiency, only 50mW standby power
- Suits CABAC, Clipsal, HPM and Legrand style wall plates
- Bezels included



WALL TIMERS

S-CLICK WALL TIMERS

WALL TIMER SWITCH 230VAC 10A

Unit: EA Qty: 1



Part No. **HNS210TD**

- Designed for high power applications like motors, fans and pumps for pools and spas
- Two modes available - timer switch and restart timer switch
- High current 10A timer switch

ADVANCED WALL TIMER 230VAC 10A

Unit: EA Qty: 1



Part No. **HNS220TD**

- Designed for high power applications like motors, fans and pumps for pools and spas
- Two modes available - timer switch and restart timer switch
- Flexible, high current 10A, feature rich timer switch
- Can switch 8A of motor load

HSC110SS 16A Sunset Switch with Real Time mode!

The Sunset Switch is used to switch outdoors lights (or indoors light when applicable) off when they are not required in daylight.

In its most basic form, the unit senses outdoors light level and switches a relay on and off, thus turning the lights wired to it on or off. Traditionally the lights would turn on during sunset, therefore it is commonly known as a Sunset Switch.

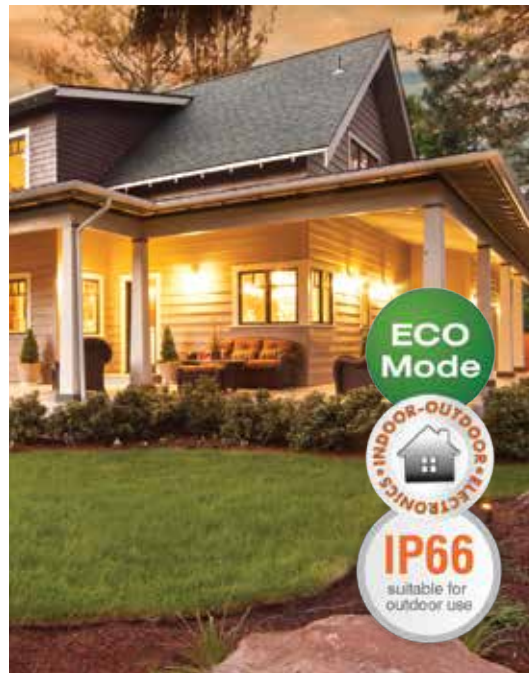
FEATURES AND BENEFITS:

- 4 in 1 patented design
- Easy mode and timer programming using internal DIP switches
- Can be programmed to turn off at a fixed time every day - real time mode
- Industry compatible form factor suitable for retrofitting to HPM base
- IP66 rated product for worry free outdoor installations
- Heavy-duty brass terminals
- Max rated load 3840W (incandescent and PCB)
- 15 minute step timer range, up to 15.75 hours (or day break)
- All required parts are supplied including glands and DIP switch tool
- Quick installation with a short warm up time
- Higher power relay - fewer units are needed to control more lights
- Descriptive internal label for easy installation and set-up
- Turn on/off delay stops inadvertent switches

4 MODES:

Mode 1 Standard	Mode 2 Timer
Mode 3 ECO	Mode 4 Real Time

Part No. HSC110SS



Designed, Engineered & Certified to Australian Standards in Australia



OUTDOOR SWITCHES

CABAC SUNSET SWITCH

SWITCH SUNSET WEATHERPROOF 16A IP66

Unit: EA Qty: 1

Ssmart switch
CLICK TECHNOLOGY



Part No. HSC110SS

- Switches a 16A load on when the sun has set and off when sun rises with many user programmable features
- 4 in 1 patented design: standard timer, energy saving, ECO and real time
- Pre-configured at factory for faster installation
- Heavy-duty brass terminals
- Suitable for retrofitting to HPM base



S-Click Routine Timer™ Towel Rail Kit (2-Wire)

Only the S-Click Routine Timer™ Towel Rail Kit delivers warm and dry towels at the time you need them.

FEATURES AND BENEFITS:

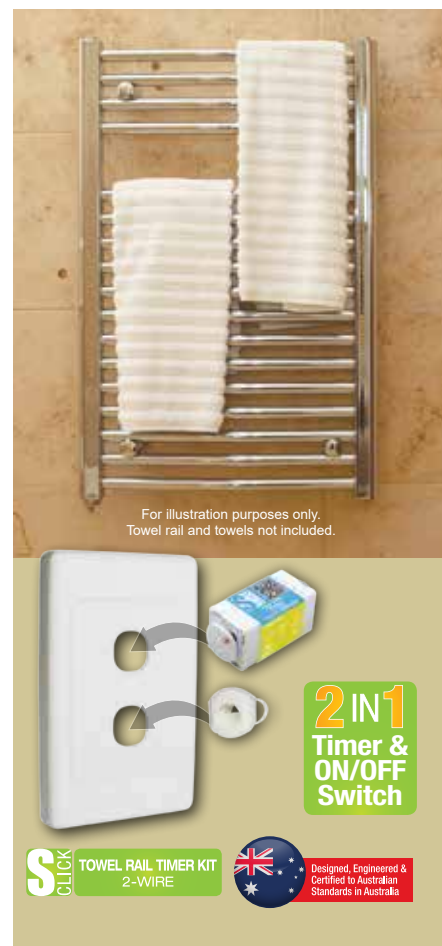
- Ideal for towel rails in your bathroom
- Adapts to your routine with a single sustained 2 second button press
- Automatically turns the power on every day at pre-determined times, then automatically turns off
- Duration times can be pre-set from 1 to 6 hours (factory default 1 hour)
- Holiday mode - suspends routine timer operation to save power, resume routine times with quick tap
- Can be manually operated with a quick tap for turning power on or off at any time
- Can have up to 8 pre-determined routine times per day
- Remembers routine times even after power failure
- Internal clock accurate to less than 5 seconds a month
- Internal battery retains routine times even after power loss - up to 24 hours
- Timer, wall plate and cable clamp included in kit
- Designed, engineered and manufactured in Australia

Part No. HNS710RT-KIT

Ssmart switch
CLICK TECHNOLOGY



Additional buttons included



APPLICATION KITS

S-CLICK APPLICATION KITS

FOLLOW ON FAN KIT

Unit: EA Qty: 1

Ssmart switch
CLICK TECHNOLOGY



Part No. HNS442FF

- Individual timer units to control all elements of a combination of lamp and fan
- Helps extract humid air and odours from bathroom and laundries
- Can reduce the growth of mould and mildew
- Helps improve air quality
- Eliminates accidentally leaving the power 'on'

3IN1 BATHROOM TIMER KIT

Unit: EA Qty: 1

Ssmart switch
CLICK TECHNOLOGY



Part No. HNS443BK

- Convenient timer kits designed for use with popular combination bathroom heater units which contain lights, fans and heaters
- Save energy and money
- No more leaving power on accidentally
- Switch 'on/off' or time and programme individually
- Retains setting even after power loss

LIGHTING AND ENERGY EFFICIENCY

4IN1 BATHROOM TIMER KIT

Unit: EA Qty: 1



Part No. HNS444BK

- Convenient timer kits designed for use with popular combination bathroom heater units which contain lights, fans and heaters
- Save energy and money
- No more leaving power on accidentally
- Switch 'on/off' or time and programme individually
- Retains setting even after power loss

TOWEL RAIL TIMER KIT 230V 350W 2-W

Unit: EA Qty: 1



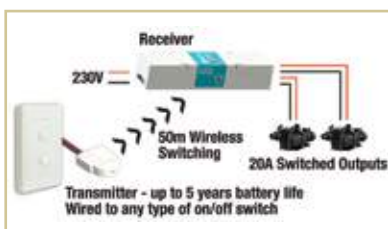
Part No. HNS710RT-KIT

- Delivers warm and dry towels at the time you need them
- Adapts to your routine
- Single sustained 2 seconds button press
- Duration times can be pre-set from 1 to 6 hours
- Select up to 8 pre-determined routine times per day



2 Channel 20A Radio Switch

The S-Click™ HNS310RK is a transmitter/receiver kit containing a HNS312TR transmitter and a HNS311RX receiver. The 2 Channel battery powered transmitter controls the 2 load outputs on the receiver via RF (radio frequency) signals. The transmitter inputs are connected to any type of on/off switches, typically a standard single gang or dual gang wall switch.



Applications for the S-Click™ 2 channel 20A radio switch transmitter/receiver kit could include sheds, garages, factories, farms, offices, warehouses, pools, heritage, industrial, brick and concrete tilt up buildings – in fact anywhere it's not possible to run wiring to the switch location!

FEATURES AND BENEFITS:

- Put switches anywhere with no wiring needed, saving time and money
- Compatible with all standard electrical switches with typical configurations - single and dual gang wall switches
- Range up to 50m line of sight; 30m in standard domestic, commercial or industrial environments
- Heavy duty 20A outputs for loads of any type including inductive loads such as pumps, motors and fans
- Simple and ready to use - units are paired straight out of the box
- Transmitter controlling up to 2 outputs of a receiver
- Transmitter inputs connected to any type of on/off switch
- Battery powered transmitter (CR2032 lithium battery, supplied)
- User replaceable battery provides up to 5 years battery life
- Dual channel switching - control two loads
- HNS312TR transmitter designed to fit inside wall box or cavity
- HNS311RX Receiver designed to fit through a downlight hole

Part No. HNS310RK



UP TO 50m WIRELESS SWITCHING

Part No. HNS312TR

Part No. HNS311RX

S-CLICK 2 CHANNEL 20A Radio Switch

Designed, Engineered & Certified to Australian Standards in Australia

REMOTE SWITCHING

S-CLICK RADIO SWITCHES

RADIO SWITCH KIT

Unit: EA Qty: 1



Part No. HNS310RK

- Put switches anywhere with no wiring needed - saving time and money
- Simple and ready to use - units paired straight out of the box
- Transmitter controlling up to 2 outputs of a receiver
- User replaceable battery provides up to 5 years battery life

RIPPLE FILTERS

S-CLICK RIPPLE FILTERS

750HZ RIPPLE SIGNAL FILTER

Unit: EA Qty: 1



Part No. HNS030RF-750

- Simple and easy to install
- Guaranteed, ripple signal flicker free with S-Click dimmers
- Works with LED, halogen, CFL and incandescent lamps
- External switch to select frequency
- Designed to fit through downlight hole

1050HZ RIPPLE SIGNAL FILTER

Unit: EA Qty: 1



Part No. HNS030RF-1050

- Simple and easy to install
- Guaranteed ripple signal flicker free with S-Click dimmers
- Works with LED, halogen, CFL and incandescent lamps
- External switch to select frequency
- Designed to fit through downlight hole

ACCESSORIES

S-CLICK BUTTONS

REMOTE BUTTON FOR DIMMERS AND 3WIRE TIMERS

Unit: EA Qty: 1



Part No. HNS020RB

- Suits the S-Click HNS610DT 2-wire dimmer only
- Suits S-Click HNS440TM, HNS450TM and HNS460SW 3-wire timers only
- Push buttons included - suits Clipsal and HPM style wall plates
- LED Indicator colour: white



REMOTE BTN FOR PREM DIMMERS AND 3W TIMERS

Unit: EA Qty: 1



Part No. HNS026RB

- Suits the S-Click S-Premium HNS616DT digital dimmer only
- Suits S-Click S-Premium HNS446TM and HNS456TM 3-wire timers only
- Suits Clipsal Saturn and Saturn Zen wall plates
- LED Indicator colour: blue



S-CLICK BUTTONS



- Buttons to compliment the S-Click range of switches and dimmers
- Pack quantity: 10
- Knobs and bezels are also available

Part No.	Description	Unit	Qty
HNSBTNCPBLK	BUTTON SUIT CLIPSAL BLACK	PAK	10
HNSBTNHMBLK	BUTTON SUIT HPM EXCEL BLACK	PAK	10
HNSBTNHMWHT	BUTTON SUIT HPM EXCEL ELECTRIC WHITE	PAK	10

LIGHTING AND ENERGY EFFICIENCY

S-CLICK BEZELS



- Buttons to compliment the S-Click range of switches and dimmers
- Pack quantity: 10
- Knobs and buttons are also available



Part No.	Description	Unit	Qty
HNSBZLCPWHT	BEZEL SUIT CLIPSAL ELECTRIC WHITE	PAK	10
HNSBZLCPBLK	BEZEL SUIT CLIPSAL BLACK	PAK	10
HNSBZLHMWHT	BEZEL SUIT HPM ELECTRIC WHITE	PAK	10
HNSBZLHMBLK	BEZEL SUIT HPM EXCEL BLACK	PAK	10
HNSBZLLFWHT	BEZEL SUIT HPM EXCEL LIFE ELECTRIC WHITE	PAK	10
HNSBZLCPBRL	BEZEL SUIT CLIPSAL BRILLIANT WHITE	PAK	10
HNSBZLLFBLK	BEZEL SUIT HPM EXCEL LIFE BLACK	PAK	10

S-CLICK KNOBS



- Knobs to compliment the S-Click range of dimmers
- Pack quantity: 10
- Bezels and buttons are also available



Part No.	Description	Unit	Qty
HNSKNBCPWHT	KNOB SUIT CLIPSAL ELECTRIC WHITE	PAK	10
HNSKNBCPBLK	KNOB SUIT CLIPSAL BLACK	PAK	10
HNSKNBPDWHT	KNOB SUIT PDL WHITE	PAK	10
HNSKNBCBWHT	KNOB SUIT CABAC ELECTRIC WHITE	PAK	10
HNSKNBCBBLK	KNOB SUIT CABAC BLACK	PAK	10
HNSKNBSNSVR	KNOB SUIT SATURN INCLUDING RING	PAK	10
HNSKNBZNWHT	KNOB SUIT SATURN ZEN ELECTRIC WHITE	PAK	10
HNSKNBHMWHT	KNOB SUIT HPM EXCEL ELECTRIC WHITE	PAK	10
HNSKNBHMBLK	KNOB SUIT HPM BLACK	PAK	10

OTHER

NOISE SUPPRESSION CAPACITOR

Unit: EA Qty: 1



Part No. HNSSUPCAP

- Suitable for fans that can crash dimmers
- Prevents night light effects and light flashing

BLEED RESISTOR

Unit: EA Qty: 1



Part No. HNSBLDRES

- Some capacitive lamps store too much charge
- The resistor bleeds charge out

R/C NETWORK

Unit: EA Qty: 1



Part No. HNSRCNETW

- Make 3-Wire timer tower up 'off'

The modular S-Click™ Smart Living range is Australia's largest; with a choice for almost any application. The entire S-Click™ range is simple to install, easy to use and creates a new, modern look for your home.

The range includes solutions for bedrooms, kitchens, hallways, dining rooms, outdoor living rooms, bathrooms, heat lamps, fans, exhaust fans, spa air pumps, towel rails, laundries, meeting rooms, workspaces, robes, pantries, cellars, garages, garden lighting, water features, security lighting, and charging for smart phones, tablets and portable USB devices. Smart Living - Every home deserves the best.

DIGITAL DIMMER™ RANGE													
Description	Indicator Colour	Use with Dimmable LED	Integrated ON/OFF Switch	Transformers or Ballasts		Multiway Dimming	Fans Compatible	Additional Feature	Max Load	Max Current (A)	Min Current (VA)	Surge Rating	Suggested Use
				Electronic	Wire Wound/Iron Core								
HNS410DT Push Button Digital Dimmer™	White	✓	✓	✓	✓	Yes with HNS020RB	✗	ON/OFF Switch	350W	1.5	10	2kV	Dimmable LED & CFL Lighting & Multiway Dimming
HNS620DT Rotary Digital Dimmer™ Switch	White	✓	✓	✓	✓	Yes with HNS020RB	✗	ON/OFF Switch	350W	1.5	10	2kV	Dimmable LED & CFL Lighting & Multiway Dimming
HNS630DT Rotary Digital Dimmer™	White	✓	✗	✓	✓	✗	✗	Simple	350W	1.5	10	2kV	Dimmable LED & CFL Lighting Dual Switch Compatible
HNS020RB Remote Button	White												Use with Dimmer and 3-Wire Timers and Switches Only

FANS, MOTORS, COMMERCIAL LIGHTS, TIMERS, SWITCHES, RELAYS & SENSORS													
Description	Max Time Out	Indicator Colour	Multi Switch Compatible	Transformers or Ballasts		Dimmer Compatible	Fans Compatible	Additional Feature	Max Load	Max Current (A)	Min Current (VA)	Surge Rating	Suggested Use
				Electronic	Wire Wound/Iron Core								
HNS440TM Minute Timer 3-Wire	30 Mins	Blue	Yes with HNS020RB	✓	✓	✓	✓	Indefinitely On	1200W 500VA	5	0	2kV	Heat Lamps, Fans, Exhaust Fans, Spa Air Pump
HNS450TM Hour Timer 3-Wire	24 Hours	Amber	Yes with HNS020RB	✓	✓	✓	✓	Boost Mode	1200W 500VA	5	0	2kV	Small Pool Pumps, Water Features, Garden & Decorative Lighting
HNS460SW Electronic Switch 3-Wire	Never	Blue	Yes with HNS020RB	✓	✓	✓	✓	Simple	1200W 500VA	5	0	2kV	Exhaust Fans, Garden & Decorative Lighting
HNS010RL Booster Relay 3-Wire	Timer Dependent	N/A	N/A	✓	✓	✓	✓	Slave	2400W 1200VA 6AX	10	0	4kV	Large Pool Pumps, Electrical Motors & Timed Power Points
HNS050MD Light Sensitive Motion Detector 3-Wire	Timer Dependent	Red		Depends On Timer				Light Sensitive	Timer Dependent	5	0	2kV	Meeting Rooms, Workspaces
HNS060MD Continuous Motion Detector 3-Wire	Timer Dependent	Red		Depends On Timer				Continuously Restarts Timer	Timer Dependent	5	0	2kV	Bathrooms, Office Bathrooms & Laundries
HNS210TD Heavy-Duty Timer Switch 3-Wire	4 Hours	Blue	Yes with HNS020RB	✓	✓	✓	✓	Adjustable Timeout Range	2400W 2400VA 10AX	10	0	4kV	Suitable for majority of applications especially suited for fan motors
HNS220TD Advanced Heavy-Duty Timer Switch 3-Wire	15 Hours	Blue	Yes with HNS020RB	✓	✓	✓	✓	Configurable LED Indicator and Switch Mode	2400W 2400VA 10AX	10	0	2kV	Improved compatible replacement for Clipsal 2031VETR3 and 32VETR3

Installation: The modular S-Click™ range are to be installed as part of a fixed wire electrical installation. ¹ Atco & Clipsal Brand. By law such installations must be made by a licensed electrical contractor or similarly qualified person.

S-Click™ has a policy of continuous product improvement and reserves the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres, and sizes given are approximate. Where available, technical and MSDS data sheets are available on the S-Click™ website. All S-Click™ products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to S-Click™ website for terms and conditions on warranty.

Part No. SCLICKCOMPCHART



SCLICK.COM.AU

MULTIWAY DIMMING

Description		Kit Includes		Suggested Use	
HNS610DSDK	Dual Switching Dimmer Kit	1x HNS610DT - Push Button Digital Dimmer™ 1x HNS929RB - Remote Button		Multiway dimming	

DOMESTIC TIMERS & SWITCHES

Description	Max Time Out	Indicator Colour	Multway Switch Compatible	Transformers or Ballasts		Dimmer Compatible	Fans Compatible	Additional Feature	Max Load	Max Current (A)	Min Current (VA)	Surge Rating	Suggested Use
				Electronic	Wire Wound/Iron Core								
HNS410TM Minute Timer 2-Wire	30 Mins	Blue	Yes with Momentary Mains Switch	✓	✗	✗	✗	Indefinitely On	400W 400VA	1.7	10	4kV	Lights - Hallway, Garages, Laundries, Wardrobes
HNS420TM Hour Timer 2-Wire	24 Hours	Amber	Yes with Momentary Mains Switch	✓	✗	✗	✗	Boost Mode	400W 400VA	1.7	10	4kV	Heated Towel Rail (<400W) Heated Mirrors, Security Lighting, Garden & Decorative Lighting
HNS430SW Electronic Switch 2-Wire	Never	Blue	Yes with Momentary Mains Switch	✓	✗	✗	✗	Simple	400W 400VA	1.7	10	4kV	Lights, Heaters, Garden Lighting

ROUTINE TIMERS

Description	Max Time Out	Indicator Colour	Multway Switch Compatible	Transformers or Ballasts		Dimmer Compatible	Fans Compatible	Additional Feature	Max Load	Max Current (A)	Min Current (VA)	Surge Rating	Suggested Use
				Electronic	Wire Wound/Iron Core								
HNS710RT Routine Timer	12 Hours	Red	Yes with Momentary Mains Switch	✓	✗	✗	✗	Timer Switch	300W 300VA	1.3	10	2kV	Towel Rails, Security Lighting, Heated Mirrors

CHARGERS

Description	Charge Power	Charge Current	Charge Voltage	Surge Rating	Additional Features		Suggested Use
					Australian Standards Certified	Australian Standards	
HNS070UC 5W USB Charger 3-Wire	5W	1A	5V	2kV	Suits most Australian wall plates, fits up to 6 USB Charges on one wall plate	Certified to AS/NZS 60950-1, CISPR22 and AS/NZS 4665 Standards	Use for charging Apple™, Samsung™ and all other phone and tablet brands. Charge other USB devices.

KITS

Description	Timers Included	Indicator Colour	Kit Includes		Suggested Use
			Additional Features	Australian Standards	
HNS710RT-KIT Towel Rail Timer Kit 2-Wire	1x HNS710RT	Red	1x HNS710RT Routine Timer Switch - adapts to your routine, Wall Plate, Buttons, Cable Clamp, Wiring Instructions		350W Max Load: Heated Towel Rail, Heated Mirrors, Outdoor Lights
HNS442FF Follow-On Fan Kit	1x HNS410TM 1x HNS440TM	Blue	1x HNS410TM and 1x HNS440TM Timer Switches, Buttons, Wiring Instructions		Bathrooms, Office Bathrooms, Laundries, Change Rooms
HNS443BK 3 in 1 Bathroom Timer Kit 3-Wire	3x HNS440TM	Blue	3x HNS440TM Timer Switches, 3 gang Labelled Wall Plate, Buttons, Wiring Instructions		1200W for Bathroom Heat/Light/Fan Units
HNS444BK 4 in 1 Bathroom Timer Kit 3-Wire	4x HNS440TM	Blue	4x HNS440TM Timer Switches, 4 gang Labelled Wall Plate, Buttons, Wiring Instructions		2400W for Bathroom Heat/Light/Fan Units

Installation: The modular S-Click™ range are to be installed as part of a fixed wire electrical installation.

By law such installations must be made by a licensed electrical contractor or similarly qualified person. 1 Atco & Clipsal Brand.

S-Click™ has a policy of continuous product improvement and reserves the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where available, technical and MSDS data sheets are available on the S-Click™ website. All S-Click™ products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to S-Click™ website for terms and conditions on warranty.

Part No. SCLICKCOMPCHART



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S-Premium™ is a range extension of the successful S-Click™ Smart Living range and are specifically designed to be compatible with Clipsal Saturn™ and Saturn Zen™ wall plates. The push button dimmers and timers make use of the button already installed in the wall plate, while the rotary dimmers come with knobs and chrome ring designed to match the Saturn™ and Saturn Zen™ look. With this range you now have the ability to time 2-Wire and 3-Wire circuits, a feature not currently available.

The S-Premium™ range includes 2 rotary versions of Digital Dimmer™, one with integrated ON/OFF push switch, that feature a blue indicator LED that beautifully matches existing installed switches.

COMPATIBLE WITH CLIPSAL SATURN™ AND SATURN ZEN™ WALL PLATES ONLY.

DIGITAL DIMMER™ RANGE												
Part No.	Description	Indicator Colour	Use with Dimmable LED	Integrated ON/OFF Switch	Transformers or Ballasts Wire Wound/ Iron Core	Multitway Dimming Compatible	Fans Compatible	Additional Feature	Max Load (A)	Max Current (VA)	Surge Rating	Suggested Use
D₂ HNS616DT	Push Button Digital Dimmer™	Blue	✓	✓	✓ ¹	Yes with HNS026RB	✗	ON/OFF Switch	350W	1.5	2kV	Perfect for Dimmable LED lights Multitway Dimming using HNS026RB
D₃ HNS626DT	Rotary Digital Dimmer™ Switch	Blue	✓	✓	✓ ¹	Yes with HNS026RB	✗	ON/OFF Switch	350W	1.5	2kV	Perfect for Dimmable LED lights Multitway Dimming using HNS026RB
D₃ HNS636DT	Rotary Digital Dimmer™	Blue	✓	✗	✓ ¹	✗	✗	Simple	350W	1.5	2kV	Perfect for Dimmable LED lights

FANS, MOTORS, COMMERCIAL LIGHTS

Part No.	Description	Max Time Out	Indicator Colour	Multitway Switch Compatible	Transformers or Ballasts Wire Wound/ Iron Core	Dimmer Compatible	Fans Compatible	Additional Feature	Max Load (A)	Max Current (VA)	Surge Rating	Suggested Use
M₃ HNS446TM	Minute Timer 3-Wire	30 Mins	Blue	Yes with HNS026RB	✓	✓	✓	Indefinitely On	1200W 500VA	5	2kV	Heat Lamps, Fans, Exhaust Fans, Spa Air Pump
F₃ HNS456TM	Hour Timer 3-Wire	24 Hours	Amber	Yes with HNS026RB	✓	✓	✓	Boost Mode	1200W 500VA	5	2kV	Small Pool Pumps, Water Features, Garden & Decorative Lighting

S-PREMIUM MULTI-WAY DIMMING, 3-WIRE TIMERS AND SWITCHING

Part No.	Description	Indicator Colour	Indicator Operation	Additional Feature	Suggested Use
F₃ HNS026RB	Remote Button	Blue	Configurable - Always ON, Always OFF or ON when pressed	LED Indicator Requires Neutral - Button operates without neutral	Use with Dimmer and 3-Wire Timers and Switches Only

DOMESTIC LIGHTING

Part No.	Description	Max Time Out	Indicator Colour	Multitway Switch Compatible	Transformers or Ballasts Wire Wound/ Iron Core	Dimmer Compatible	Fans Compatible	Additional Feature	Max Load (A)	Max Current (VA)	Surge Rating	Suggested Use
M₂ HNS416TM	Minute Timer 2-Wire	30 Mins	Blue	Yes with Momentary Mains Switch	✗	✗	✗	Indefinitely On	400W 400VA	1.7	4kV	Lights - Hallway, Garages, Laundries, Wardrobes
F₂ HNS426TM	Hour Timer 2-Wire	24 Hours	Amber	Yes with Momentary Mains Switch	✗	✗	✗	Boost Mode	400W 400VA	1.7	4kV	Heated Towel Rail (<400W), Heated Mirrors, Security Lighting, Garden & Decorative Lighting

ROUTINE TIMERS

Part No.	Description	Max Time Out	Indicator Colour	Multitway Switch Compatible	Transformers or Ballasts Wire Wound/ Iron Core	Dimmer Compatible	Fans Compatible	Additional Feature	Max Load (A)	Max Current (VA)	Surge Rating	Suggested Use
R₁ HNS716RT	Routine Timer	12 Hours	Red	Yes with Momentary Mains Switch	✗	✗	✗	Timer Switch	300W 300VA	1.3	2kV	Towel Rails, Security Lighting, Heated Mirrors



Designed, Engineered & Certified to Australian Standards in Australia

Installation: The modular S-Click™ range are to be installed as part of a fixed wire electrical installation. By law such installations must be made by a licensed electrical contractor or similarly qualified person.

¹ Atco & Clipsal Brand. Saturn™ is a registered trademark of Schneider Electric Pty. Ltd.



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BEL-9506-0601000	D592	BEL-BD6CSN	D515	BL500-12	A44	BLK70/50	A48	BLP2500	A78
BEL-9534-0601000	D592	BEL-BD6CSO	D515	BL500-16	A44	BLK70/70	A48	BLP2500HF	A78
BEL-9536-0601000	D592	BEL-BD6D3A	D513	BL500	A44	BLK95/10	A48	BLP250	A77
BEL-9538-0601000	D592	BEL-BD6D3B	D513	BL630-12	A44	BLK95/16	A48	BLP250HF	A77
BEL-9730-0601000	D593	BEL-BD6D3M	D513	BL630	A44	BLK95/25	A48	BLP3500-25	A78
BEL-9841-0601000	D592	BEL-BD6D3N	D513	BL70-10	A44	BLK95/35	A48	BLP3500	A78
BEL-9842-0601000	D592	BEL-BD6D3O	D513	BL70-12	A44	BLK95/50	A48	BLP3500HF	A78
BEL-9843-0601000	D592	BEL-BD6D6C	D647	BL800	A44	BLK95/70	A48	BLP400-18	A77
BEL-9844-0601000	D592	BEL-BD6D6D	D647	BL800LPB	A45	BLK95/95	A48	BLP400-18HF	A77
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BEL-AD3B	D512	BEL-BD6DSB	D515	BL95-12	A44	BLKS120/3/95	A45	BLP400HF	A77
BEL-AD3M	D512	BEL-BD6DSM	D515	BLK10/10	A48	BLKS120/4/120	A46	BLP5000	A78
BEL-AD3N	D512	BEL-BD6DSN	D515	BLK10/16	A48	BLKS120/4/16	A46	BLP5000HF	A78
BEL-AD3O	D512	BEL-BD6DSO	D515	BLK120/120	A48	BLKS120/4/25	A46	BLP600-18	A77
BEL-AD6A	D646	BEL-BD	D648	BLK120/16	A48	BLKS120/4/35	A46	BLP600-18HF	A77
BEL-AD6B	D646	BEL-BDSASA	D514	BLK120/25	A48	BLKS120/4/50	A46	BLP600	A77
BEL-AD6C	D646	BEL-BDSASB	D514	BLK120/35	A48	BLKS120/4/70	A46	BLP600HF	A77
BEL-AD6D	D646	BEL-BDSBSB	D514	BLK120/50	A48	BLKS150/3/150	A45	BLP7000	A78
BEL-AD	D648	BEL-BDSMSM	D514	BLK120/70	A48	BLKS185/3/185	A45	BLP7000HF	A78
BEL-ADSA	D514	BEL-BDSNSN	D514	BLK120/95	A48	BLKS185/4/120	A46	BLP9500	A78
BEL-ADSB	D514	BEL-BDSOSO	D514	BLK150/120	A49	BLKS185/4/150	A46	BLP9500HF	A78
BEL-ADSM	D514	BEL-CPLCRBC-BR	D605	BLK150/150	A49	BLKS185/4/185	A46	BLPK1	A78
BEL-ADSN	D514	BEL-DB59BNCBU	D620	BLK150/16	A49	BLKS185/4/50	A46	BLPK2	A78
BEL-ADSO	D514	BEL-DB59BNCU	D620	BLK150/25	A49	BLKS185/4/70	A46	BLPKIT1	A79
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BEL-AX101321	D640	BEL-GUMT308-BK	D502	BLK150/95	A49	BLKS240/3/240	A45	BLPT100	A79
BEL-AX101342	D639	BEL-GUMT312-BK	D502	BLK16/10	A48	BLKS240/4/120	A46	BLPT100HF	A79
BEL-AX101731	D521	BEL-GUMTA04-YL	D502	BLK16/16	A48	BLKS240/4/150	A46	BLPT150	A79
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BEL-AX105203-S1	D545	BEL-R301601	D614	BLK185/35	A49	BLKS240/4/95	A46	BLPT600	A79
BEL-AX105207-S1	D545	BEL-XX3A	D511	BLK185/50	A49	BLKS70-3-50	A45	BLPT600HF	A79
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BEL-AX105212-S1	D545	BEL-XX3N	D511	BLK240/120	A49	BLKS70/3/70	A45	BLPU1000	A81
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BM076	B291	C10100P	D615	CAB-D3.0-MM-WH	D500	CAB-LT-24-MM	D505	CABRPF24	D567
BM079	B296	C183	B319	CAB-D3.0-MM2-OR	D500	CAB-LT-24-SMCST	D506	CABRPF33	D567
BM086	B292	C187	B274	CAB-D3.0-MM3-AQ	D500	CAB-LT-24-SMCSTPE	D507	CABRPF42	D567
BM089	B298	C2006	B289	CAB-D3.0-MM3-PK	D500	CAB-LT-24-SM	D505	CABRPF42W8	D567
BM111M	B287	C2010	B289	CAB-D3.0-MM4-EV	D500	CAB-LT-24-SMSS	D506	CABRRL	D571
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BM157	B300	C2301	B313	CAB-D3.0-SM-PK	D501	CAB-LT-36-SM	D505	CABRSF18RU	D563
BM197	B299	C2302	B311	CAB-D3.0-SM-PR	D501	CAB-LT-48-SMCST	D506	CABRSF6RU	D563
BM251	B280	C277HP	B321	CAB-D3.0-SM-RD	D501	CAB-LT-48-SM	D505	CABRSF9RU	D563
BM257	B281	C2950	B288	CAB-D3.0-SM-YL	D501	CAB-LT-48-SMSS	D506	CABRSS350	D566
BM525	B282	C2	B324	CAB-D3.0-SM	D501	CAB-LT-60-SMSS	D506	CABRSS550	D566
BM821	B282	C3031	B271	CAB-IOB-06-MM	D503	CAB-LT-72-SM	D505	CABRSS650	D566
BM822	B283	C3121	B270	CAB-IOB-12-MM	D503	CAB-LT-96-SM	D505	CABRSS750	D566
BM827	B283	C3123	B270	CAB-IOB-24-MM	D503	CAB-MT-06-MM3FR	D504	CABRV12RU-BK	D564
BM867	B285	C32A1	A84	CAB-IOBM-06-MM	D504	CAB-MT-06-SMFR	D504	CABRV22RU-BK	D564
BM869	B286	C32A2	A84	CAB-IOBM-06-SM	D504	CAB-MT-12-MM3FR	D504	CABRWM12RU-4	D563
BM877	B284	C3	B325	CAB-IOBM-12-MM	D504	CAB-MT-12-SMFR	D504	CABRWM12RU	D563
BMABC150	C433	C403-0177	C444	CAB-IOBM-12-SM	D504	CAB100A-300M10	C434	CABRWM18RU	D563
BMABC50	C433	C403-0185	C443	CAB-IOR-02-MM-OR	D501	CAB100A-300M12	C434	CABRWM6RU-4	D563
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BS150/14	A50	C4901M25EX	A130	CAB-IOR-06-MM3-PK	D501	CABL3	A39	CACC25	C459
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BS185/16	A50	C4901M40EX	A130	CAB-IOR-06-MM3	D501	CABL6	A39	CACC70	C459
BS185/18	A50	C4901M50EX	A130	CAB-IOR-06-MM4-EV	D502	CABLE-CLAMP	D516	CACC95	C459
BS240/16	A50	C4901M63EX	A130	CAB-IOR-06-MM	D501	CABLE-CLIP-SM	D516	CACD120	C460
BS240/18	A50	C505	B273	CAB-IOR-06-SM-YL	D502	CABLOK-BPL-EZ	D655	CACD240	C460
BS25/12	A50	C5201	B302	CAB-IOR-06-SM	D502	CABLOK-BPM-EZ	D656	CACD35	C460
BS25/6	A50	C5203	B303	CAB-IOR-08-MM3-AQ	D501	CABLOK-BPS-EZ	D656	CACD70	C460
BS300/16	A50	C5215	B304	CAB-IOR-08-MM	D501	CABLOK-FL	D655	CACE120/240	C460
BS300/18	A50	C5900	B307	CAB-IOR-12-MM3-AQ	D501	CABLOK-FM	D656	CACE35/70	C460
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BS500/18	A50	C5900M32NEX	A131	CAB-IOR-12-SM-YL	D502	CABLOK-S	D669	CAEC120	C461
BS500/20	A50	C5900M40NEX	A131	CAB-IOR-12-SM	D502	CABPAT	B315	CAEC16	C461
BS6/12	A50	C5900M50NEX	A131	CAB-IOR-24-MM3-AQ	D501	CABR18RU6	D563	CAEC2.5	C461
BS630/20	A50	C5900M63NEX	A131	CAB-IOR-24-MM3	D501	CABR19CASTORS	D570	CAEC25	C461
BS70/12	A50	C5902	B314	CAB-IOR-24-MM4-EV	D502	CABR19KMD600	D567	CAEC35	C461
BS95/12	A50	C5EUTP	D635	CAB-IOR-24-SM-YL	D502	CABR19LEVELFT	D570	CAEC4	C461
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BSC150/12K	A51	C5EUTPS	D635	CAB-IORM-02-SM	D503	CABR24RU6	D563	CAEC6	C461
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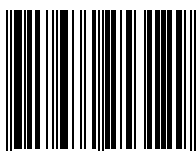
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