

Wholesaler Catalogue Electrical Cable Accessories





SPECIALIST CABLE ACCESSORY DISTRIBUTOR

Wholesaler Catalogue - Electrical Cable Accessories

E-Tech Components – The Specialist Distributor of High Quality Cable Accessories.

For nearly 20 years E-Tech Components have been offering our range of major brands of Cable Accessories ensuring access to high quality products, technical support and stock availability.

We are now pleased to launch our first Shortform Catalogue detailing our wide range of branded products available to the Electrical Wholesaler.

E-Tech offer expertise and support across a range of Cable Accessories enabling you to ensure compliance to latest standards and new Wiring Regulations (BS 7671:2018 18th Edition) including IEC 61238, BS7609, BS7727, IEC 62444, BS6121-1:2005 , IEC 61914 & BS EN 50393.

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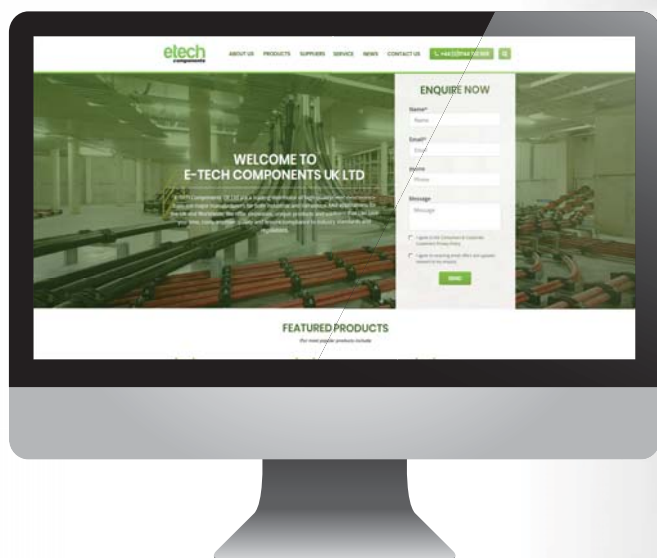
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AP Clips

REF NO: SEE TABLE

The AP clip is a single fixing clip, ideal for a simple cable run. Tested with FP cables, the AP clip is suitable for fire alarm cables and visible installations. Fire tested with FP cables. Suitable for Prysmian FP200 Gold®, FP Plus™, FP Plus Flex™ and Afumex LSX™. Suitable for Draka FT30, FT120 and FT Data. Made from BS EN 1652 copper strip. Meets the cable support requirements of BS 5839-1:2002+A2:2008.

Clip Selection				
Style	Design Number		Cable Diameter	
	Red	White	A (mm)	
			Min	Max
AP7	386PR07	386PW07	7.8	8.2
AP8	386PR08	386PW08	8.3	8.8
AP9	386PR09	386PW09	9	9.9
AP10	386PR10	386PW10	10	10.9
AP11	386PR11	386PW11	11	11.9
AP12	386PR12	386PW12	12	12.9
AP13	386PR13	386PW13	13	13.9

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LUL APR Product ID 1960.



Firefix Kit

Double Clips, Nails & Gas

REF NO: SEE TABLE

The Firefix double clip is an LUL approved clip for rapid installation of fire alarm and emergency lighting cables. Nail fixed fire resistant clip. The Firefix system is fast easy and meets the cable support requirements of British standards: BS5839-1: 2002, BS5266-1:2011 and BS5839-8: 2006. Designed to be used with the Spit Pulsa™ gas nailing technology for rapid installation. Made from corrosion resistant Stainless Steel which is coated with an intumescent LSOH coating in either white or red to match the cable.

Kit contents : Clips, ITW nails and gas cartridge, pin guide adaptors

Clip Selection				
Design Number		Cable Diameter		Kit
Standard	Colour	A (mm)		Qty
		Min	Max	
FPNF02R	Red	7.7	8.5	500
FPNF02W	White	7.7	8.5	500
FPNF02R15	Red	7.7	8.5	500
FPNF02W15	White	7.7	8.5	500
FPNF04R	Red	8.5	9.0	500
FPNF04W	White	8.5	9.0	500
FPNF04R15	Red	8.5	9.0	500
FPNF04W15	White	8.5	9.0	500

Nailing tool sold separately. Part No: PULSA800E

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Firefix - Clips Only
Single/Double Clips

REF NO: SEE TABLE

The Firefix single/double clip is an LUL approved clip for rapid installation of fire alarm and emergency lighting cables. Nail fixed fire resistant clip. The Firefix system is fast easy and meets the cable support requirements of British standards: BS5839-1: 2002, BS5266-1:2011 and BS5839-8: 2006. Designed to be used with the Spit Pulsa™ gas nailing technology for rapid installation. Made from corrosion resistant Stainless Steel which is coated with an intumescent LSOH coating in either white or red to match the cable.

LUL APR Product ID 1960.

Clip Selection					
Design Number			Cable Diameter		Box
Catalogue Number	Colour	Clip Type	A (mm)		Qty
			Min	Max	
FPZF01R	RED	SINGLE	7.7	8.2	1000
FPZF01W	WHITE	SINGLE	7.7	8.2	1000
FPZF02R	RED	DOUBLE	7.7	8.5	1000
FPZF02W	WHITE	DOUBLE	7.7	8.5	1000
FPZF04R	RED	DOUBLE	8.5	9.0	1000
FPZF04W	WHITE	DOUBLE	8.5	9.0	1000

Nailing tool sold separately. Part No: PULSA800E

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LUL APR Product ID 1960.



Firefix Kit

Single Clips, Nails & Gas

REF NO: SEE TABLE

The Firefix single clip is an LUL approved clip for rapid installation of fire alarm and emergency lighting cables. Nail fixed fire resistant clip. The Firefix system is fast easy and meets the cable support requirements of British standards: BS5839-1: 2002, BS5266-1:2011 and BS5839-8: 2006. Designed to be used with the Spit Pulsa™ gas nailing technology for rapid installation. Made from corrosion resistant Stainless Steel which is coated with an intumescent LSOH coating in either white or red to match the cable.

Kit contents : Clips, ITW nails and gas cartridge

Clip Selection					
Design Number		Cable Diameter		Kit	
Standard	Colour	A (mm)		Qty	
		Min	Max	Height	
FPNF01R	Red	7.7	8.2	13.6	500
FPNF01W	White	7.7	8.2	13.6	500
FPNF01R15	Red	7.7	8.2	13.6	500
FPNF01W15	White	7.7	8.2	13.6	500
FPNF03R	Red	8.2	9.2	13.6	500
FPNF03W	White	8.2	9.2	13.6	500

Nailing tool sold separately. Part No: PULSA800E

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Claw Cleat (Fire Performance) 370CG series

REF NO: SEE TABLE

Suitable for use with cable diameters 10 - 54mm. Fire Performance cable cleats for use with FP400/FP600. Two-piece, single fixing design. Can be stacked to a maximum of three on one fixing. Operating temperature -60°C to +105°C. Can withstand a 2 hour excursion to 1000°C. Can be used for all types of cable routes. Can be used for all types of cable routes. Suitable for all environments. Packing pieces to be used where required. Allows fire performance cables to meet the requirements of BS 6387:1994, BS 5839-1:2002, BS7346-6:2005 & BS8491:2008.



LUL Approved product register ID 1961.

Cable and Cleat Selection		
Design Number	Cable diameter	
	A (mm)	
	Min	Max
370CG01	10	13
370CG02	13	16
370CG03	16	19
370CG04	18	22
370CG05	21	26
370CG06	25	32
370CG07	31	38
370CG08	36	46
370CG09	44	54

Method of Fixing

In all applications the cleats should be mounted on suitable fixings, see table for appropriate size. When mounting directly on channel, adaptor plates 380AG02 should be used. When stacking claw cleats use packing piece 389AC01 between cleats.

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Two Bolt Cleat (Fire Performance) 370CG series

REF NO: SEE TABLE

- Suitable for use with cable diameters 51 - 89mm.
- Fire Performance cable cleats for use with FP400/FP600.
- Two-piece, two fixing design.
- Can be double stacked on common fixings.
- Operating temperature -60°C to +105°C.
- Can withstand a 2 hour excursion to 1000°C.
- Can be used for all types of cable routes.
- Suitable for all environments.
- Allows fire performance cables to meet the requirements of BS 6387:1994, BS 5839-1:2002, BS7346-6:2005 & BS8491:2008.



LUL Approved product register ID 1964.

Cable and Cleat Selection		
Design Number	Cable diameter	
	A (mm)	
	Min	Max
370CG10	51	59
370CG11	54	62
370CG12	57	65
370CG13	62	70
370CG14	68	76
370CG15	74	82
370CG16	80	89

Method of Fixing

In all applications the cleats should be mounted on suitable fixings, see table for appropriate size. When mounting directly on channel, adaptor plate 380AG02 should be used..

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Nylon Cable Gland Cable Gland (FP250)

REF NO: SEE TABLE



Contents:

Nylon Gland
Nylon lock nut

Gland Kit Reference

Design Reference	Size	Qty per Kit
403P*52	20	100

Replace * to specify colour: R=Red, W=White

Schnabl

MDSN

Metal Dowel Fastening Nail

REF NO: 9002



The Schnabl MDSN metal dowel fastening nail is fully compliant with the new requirements. Simply drill 6 mm diameter, push to fix, no other tools needed, when used with existing products such as brackets & metal tie wraps gives a versatile solution. Made from stainless steel. Will hold 4 kgs up to 120 min at 1030 °C per fixing point



Stainless Steel Cable Ties

REF NO: SEE TABLE

Roller ball type stainless steel cable ties. Self locking design for fast and secure installation. Available in both uncoated and pure polyester coated 316 grade stainless steel. Smooth rounded edges, suitable for all types of cable insulation. UL listed. File number E475484.



Cable Tie Selection		
Catalogue Number	Material	Size (mm)
ETCSST1316	316 Stainless Steel	150 X 4.6
ETCSST2316	316 Stainless Steel	200 X 4.6
ETCSST3316	316 Stainless Steel	260 X 4.6
ETCSST3816	316 Stainless Steel	300 X 4.6
ETCSST4316	316 Stainless Steel	360 X 4.6
ETCSST5316	316 Stainless Steel	520 X 4.6
ETCSST6316	316 Stainless Steel	680 X 4.6
ETCSST2316H	316 Stainless Steel	200 X 7.9
ETCSST3816H	316 Stainless Steel	300 X 7.9
ETCSST4316H	316 Stainless Steel	360 X 7.9
ETCSST5316H	316 Stainless Steel	520 X 7.9
ETCSST6316H	316 Stainless Steel	680 X 7.9
ETCSST8316H	316 Stainless Steel	840 X 7.9
ETCSST10316H	316 Stainless Steel	1000 X 7.9

STAINLESS STEEL CABLE TIES ALSO AVAILABLE IN
POLYESTER COATED (RED / BLACK)

NEED AN ITEM NOT LISTED?

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**LOW HAZARD
ISOCYANATE FREE
JEM RESIN**

FRZHMPJ - Low Voltage Fire Performance Cable Joint Kits (Excludes Connectors)

REF NO: SEE TABLE

Straight joints for Fire Performance cables with copper conductors from 4mm² to 400 mm²

- Low Hazard Isocyanate free JEM resin
- Twin Pack mixing in clear laminate sachets
- Extremely low viscosity combined with enhanced adhesion
- Rigid glass reinforced phenolic joint shells which are both fire retardant and LSOH
- Slim-line design for use with compression connectors
- Meet the Fire resistance requirements of BS6387 categories C, W & Z

Properties

Prysmian's Fire Resistant Joints are tested to BS6387 categories C, W & Z		Performance		Symbol	FR Joint	Shell Dimensions			
Resistance to Fire		650°C for 3 hours	750°C for 3 hours	A	PASS	Joint Reference	A	B	C
The joint is tested by exposure to gas burner flames while passing a current at its rated voltage		950°C for 3 hours	650°C	B	PASS	FRZHMPJ2	300mm	85mm	70mm
Resistance to Fire with Water Spray				C	PASS	FRZHMPJ3	405mm	100mm	80mm
The joint is exposed to flames at 650°C for 15 minutes whilst passing a current of 250MA at a rated voltage and then the spray is turned on to give exposure to both fire and water for a further 15 minutes				W	PASS	FRZHMPJ4	430mm	100mm	90mm
Resistance to Fire with Mechanical Shock		950°C				FRZHMPJ5	560mm	160mm	130mm
The joint is mounted on a back panel and exposed to flames whilst the bedding panel is struck with a solid steel bar every 30 seconds for 15 minutes				Z	PASS	FRZHMPJ6	740mm	180mm	145mm
						FRZHMPJ7	870mm	190mm	145mm
						FRZHMPJ8	1015mm	205mm	180mm

Joint selection for 2, 3 and 4 core cables

Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.	Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
4mm ²	FRZHMPJ2	FRZHMPJ2	FRZHMPJ2	BE-YS	70mm ²	FRZHMPJ4	FRZHMPJ5	FRZHMPJ5	BT70CS
6mm ²	FRZHMPJ2	FRZHMPJ2	FRZHMPJ2	BTCS	95mm ²	FRZHMPJ4	FRZHMPJ5	FRZHMPJ5	BT95CS
10mm ²	FRZHMPJ2	FRZHMPJ2	FRZHMPJ2	BT10CS	120mm ²	FRZHMPJ5	FRZHMPJ6	FRZHMPJ6	BT120CS
16mm ²	FRZHMPJ2	FRZHMPJ3	FRZHMPJ3	BT16CS	150mm ²	FRZHMPJ5	FRZHMPJ6	FRZHMPJ6	BT150CS
25mm ²	FRZHMPJ2	FRZHMPJ3	FRZHMPJ4	BT25CS	185mm ²	FRZHMPJ5	FRZHMPJ6	FRZHMPJ6	BT185CS
35mm ²	FRZHMPJ3	FRZHMPJ4	FRZHMPJ4	BT35CS	240mm ²	FRZHMPJ6	FRZHMPJ7	FRZHMPJ7	BT240CS
50mm ²	FRZHMPJ3	FRZHMPJ5	FRZHMPJ5	BT50CS	300mm ²	FRZHMPJ6	FRZHMPJ7	FRZHMPJ7	BT300CS
					*400mm ²	-	-	FRZHMPJ8	BT400CS



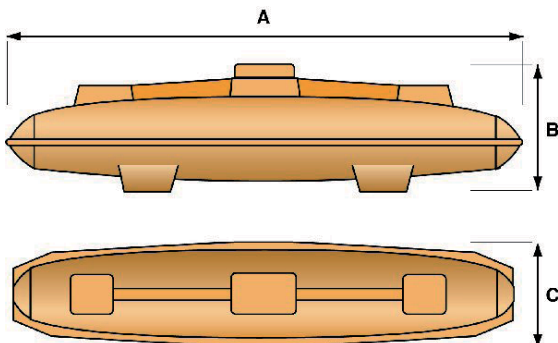
Note: ZHMB joints are provided without connectors, compression & mechanical connectors can be provided separately.

*Joint does not accommodate crossed core (phase to phase) jointing.

Prysmian Group JEM CE

Technical Information:

- Low Voltage Straight Joints for 600/1000 Volt fire performance insulated SWA cables with copper conductors.
- Tested and approved to BS EN 50393 & ENA ER C81
- Fire tests on complete joints to BS 6387 categories C, W and Z
- Includes constant force spring Armour Bonds.
- JEM Resin
- Easier mixing in "Twin Pack" totally enclosed mixing in a clear laminate sachet.
- Extremely low mix viscosity allows void free joint filling.
- JEM Resin is insensitive to moisture and will cure under water.
- Enhanced adhesion to XLPE, MDPE, PVC & lead.
- High flash point, non-flammable liquid - No special storage or transport requirements.
- Not classified as irritating to the skin or eyes.
- Does not cause skin sensitization.



ZHMPJ - Low Voltage Afumex LSOH Cable Joint Kits

For Un-Armoured Cables (Excludes Connectors)

REF NO: SEE TABLE

Straight joints for LSOH/LSF LV cables with copper conductors from 1.5mm² to 400mm²

- Low Hazard Isocyanate free JEM resin
- Twin Pack mixing in clear laminate sachets
- Extremely low viscosity combined with enhanced adhesion
- Rigid glass reinforced phenolic joint shells which are both fire retardant and LSOH
- Slim-line design for use with compression connectors

LOW HAZARD
ISOCYANATE FREE
JEM RESIN

Properties

Property	Test Method	Shell GF Phenolic	Resin Filled Acrylic
Oxygen Index.	BS2782 Pt.1Mth.141	>70	>26
Temperature Index.	BS2782 Pt.1Mth.143	>350°C	-
Heat Distortion Temp.	BS2782 Pt.1Mth.121A	>150°C	-
Toxic Gas Emission	-	Nil	Nil
Smoke Emission	BS6724	A ₀ <1.5	-

Straight Joint Reference	Shell Dimensions		
	A	B	C
ZHMPJ2	300mm	85mm	70mm
ZHMPJ3	405mm	100mm	80mm
ZHMPJ4	430mm	110mm	90mm
ZHMPJ5	560mm	160mm	130mm
ZHMPJ6	740mm	180mm	145mm
ZHMPJ7	870mm	190mm	145mm
ZHMPJ8	1015mm	205mm	180mm

Joint selection for 2, 3 and 4 core cables

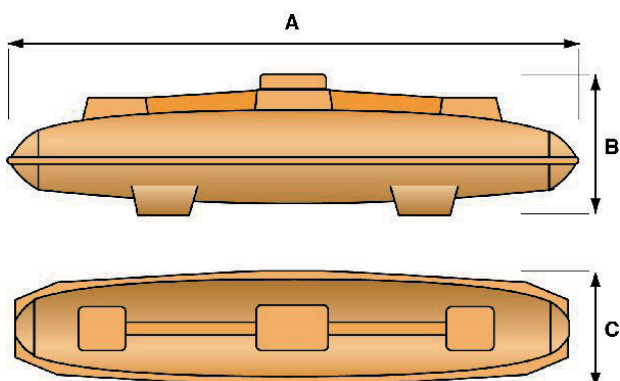
Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
4mm ²	ZHMPJ2	ZHMPJ2	ZHMPJ2	BE-YS
6mm ²	ZHMPJ2	ZHMPJ2	ZHMPJ2	BT6CS
10mm ²	ZHMPJ2	ZHMPJ2	ZHMPJ2	BT10CS
16mm ²	ZHMPJ2	ZHMPJ2	ZHMPJ3	BT16CS
25mm ²	ZHMPJ2	ZHMPJ3	ZHMPJ4	BT25CS
35mm ²	ZHMPJ3	ZHMPJ4	ZHMPJ4	BT35CS
50mm ²	ZHMPJ3	ZHMPJ5	ZHMPJ5	BT50CS
70mm ²	ZHMPJ4	ZHMPJ5	ZHMPJ5	BT70CS

Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
95mm ²	ZHMPJ4	ZHMPJ5	ZHMPJ5	BT95CS
120mm ²	ZHMPJ5	ZHMPJ6	ZHMPJ6	BT120CS
150mm ²	ZHMPJ5	ZHMPJ6	ZHMPJ6	BT150CS
185mm ²	ZHMPJ5	ZHMPJ6	ZHMPJ6	BT185CS
240mm ²	ZHMPJ6	ZHMPJ7	ZHMPJ7	BT240CS
300mm ²	ZHMPJ6	ZHMPJ7	ZHMPJ7	BT300CS
400mm ²	-	-	ZHMPJ8	BT400CS

*Joint does not accommodate crossed core (phase to phase jointing)



Note: ZHMPJ joints are provided without connectors, compression connectors can be provided separately.



Prysmian Group JEM CE

Technical Information:

- Low Voltage Straight Joints for 600/1000 Volt polymeric insulated copper conductors, SWA cables to BS6724 and IEC 60502-1 (halogen free).
- Tested and approved to BS EN 50393 & ENA ER C81
- Tests on complete joints to BS 6724 (using IEC 1034 methods) give smoke emission values A₀ significantly less than the permitted maximum of 1.5.
- Includes constant force spring Armour Bonds.
- JEM Resin
 - Easier mixing in "Twin Pack" totally enclosed mixing in a clear laminate sachet.
 - Extremely low mix viscosity allows void free joint filling.
 - JEM Resin is insensitive to moisture and will cure under water.
 - Enhanced adhesion to XLPE, MDPE, PVC & lead.
 - High flash point, non-flammable liquid - No special storage or transport requirements.
 - Not classified as irritating to the skin or eyes.
 - Does not cause skin sensitization.

BW Gland Packs

Indoor Cable Gland

REF NO: SEE TABLE

Contents:

BW Gland
Brass Earth Tag
Brass Locknut
PVC Shroud



BW Gland Selection		
Catalogue Number	Size	Glands per pack
ETCBW20SPACK	20S	2
ETCBW20PACK	20	2
ETCBW25PACK	25	2
ETCBW32PACK	32	1
ETCBW40PACK	40	1
ETCBW50PACK	50	1
ETCBW63PACK	63	1
ETCBW75SPACK	75S	1
ETCBW75PACK	75	1
ETCBW85PACK	85	1

WIDE RANGES OF GLANDS AVAILABLE - NEED AN ITEM NOT LISTED?

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Nylon Non-Releasable Cable Ties

REF NO: SEE TABLE (SPECIFY COLOUR)



- One-piece molded nylon 6.6 non-releasable cable ties
- Bent finger grip and low threading force for quick installation
- Smooth rounded edges
- Available colours: natural or black

Cable Tie Selection		
Catalogue Number	Length (mm)	Width (mm)
ETC80	80	2.5
ETC100	100	2.5
ETC120	120	4.8
ETC140	140	3.6
ETC160L	160	2.5
ETC160	160	4.8
ETC200L	200	2.5
ETC200I	200	3.6
ETC200	200	4.8
ETC250	250	4.8
ETC300L	300	3.6
ETC300	300	4.8
ETC365	370	4.8

Cable Tie Selection		
Catalogue Number	Length (mm)	Width (mm)
ETC430	430	4.8
ETC530	530	4.8
ETC150H	150	7.6
ETC200H	200	7.6
ETC240H	240	7.6
ETC300H	300	7.6
ETC370H	370	7.6
ETC430H	430	9.0
ETC530H	530	9.0
ETC710H	710	9.0
ETC940H	940	9.0
ETC580EH	580	12.7
ETC1220EH*	1220	9.0

Polyethylene Terminal Blocks

REF NO: SEE TABLE (SPECIFY COLOUR)



- Brass inserts with captive galvanised steel screws.
- Available in Black or Natural.

Terminal Block Selection	
Catalogue Number	Current Rating
TB-Poly 3	3 amp
TB-Poly 5	5 amp
TB-Poly 15	15 amp
TB-Poly 30	30 amp
TB-Poly 60	60 amp

PVC Insulation Tape 19mm x 20m

To BS EN 60454-2.

REF NO: ETC1-ROLL(SPECIFY COLOUR)



- Flame retardant
- Extremely flexible, good adhesion
- For wire and cable insulation, bundling and reinforcing
- Available colours: Black, Red, Yellow, Blue, Green, White, Grey, Brown and Earth (Green/Yellow)

CW Gland Packs

Indoor / Outdoor Cable Gland

REF NO: SEE TABLE

Contents:

CW Gland
Brass Earth Tag
Brass Locknut
PVC Shroud



CW Gland Selection		
Catalogue Number	Metric	Glands per pack
ETCCW16PACK	16	2
ETCCW20SPACK	20SS	2
ETCCW20SPACK	20S	2
ETCCW20PACK	20	2
ETCCW25PACK	25	2
ETCCW32PACK	32	1
ETCCW40PACK	40	1

CW Gland Selection		
Catalogue Number	Metric	Glands per pack
ETCCW50SPACK	50S	1
ETCCW50PACK	50	1
ETCCW63PACK	63	1
ETCCW75PACK	75	1
ETCCW85PACK	85	1
ETCCW90PACK	90	1

Stainless Steel Cable Ties

REF NO: SEE TABLE



Roller ball type stainless steel cable ties. Self locking design for fast and secure installation. Available in both uncoated and pure polyester coated 316 grade stainless steel. Smooth rounded edges, suitable for all types of cable insulation. UL listed. File number E475484.

Cable Tie Selection		
Catalogue Number	Material	Size (mm)
ETCSST1316	316 Stainless Steel	150 X 4.6
ETCSST2316	316 Stainless Steel	200 X 4.6
ETCSST3316	316 Stainless Steel	260 X 4.6
ETCSST3816	316 Stainless Steel	300 X 4.6
ETCSST4316	316 Stainless Steel	360 X 4.6
ETCSST5316	316 Stainless Steel	520 X 4.6
ETCSST6316	316 Stainless Steel	680 X 4.6
ETCSST2316H	316 Stainless Steel	200 X 7.9
ETCSST3816H	316 Stainless Steel	300 X 7.9
ETCSST4316H	316 Stainless Steel	360 X 7.9
ETCSST5316H	316 Stainless Steel	520 X 7.9
ETCSST6316H	316 Stainless Steel	680 X 7.9
ETCSST8316H	316 Stainless Steel	840 X 7.9
ETCSST10316H	316 Stainless Steel	1000 X 7.9

STAINLESS STEEL CABLE TIES ALSO AVAILABLE IN POLYESTER COATED (RED / BLACK)

NEED AN ITEM NOT LISTED?

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Nylon Coloured Cable Ties

REF NO: SEE TABLE (SPECIFY COLOUR)



All our coloured cable ties are manufactured from high quality virgin Nylon 6.6. Available in Red, Blue, Green or Yellow. (Please specify colour when ordering).

Cable Tie Selection		
Catalogue Number	Length (mm)	Width (mm)
ETC 100	100	2.5
ETC 140	140	3.6
ETC 200L	200	2.5
ETC 200	200	4.8
ETC 300	300	4.8

PVC Insulation Tape 19mm x 33m

To BS EN 60454-2.

REF NO: ETC2-ROLL(SPECIFY COLOUR)



- For wire and cable insulation, bundling and reinforcing
- Flame retardant
- Extremely flexible, good adhesion
- Available colours: Black, Red, Yellow, Blue, Green, White, Grey, Brown and Earth (Green/Yellow)

Prysmian
Group

BICON

R391 Plastic Weatherproof Sealing Compound - 0.5kg

REF NO: U562AA01

- Prevents ingress of moisture
- Non Hardening
- Protects exposed terminals against corrosion
- Easily applied to intricate contours
- Good adhesion to metal, plastic, wood, rubber, PVC, etc.
- Suitable for temperatures between -20°C and +80°C
- Vibration resistant
- Long shelf life when stored in original packaging (under normal conditions)
- Harmless to hands

Compound Selection			
Part Number	Blocks per pack	Weight of Block kg	Weight of Pack kg
R391	2	0.25	0.5

To protect electrical connections from moisture and corrosive vapours, Prysmian Components supply a non-hardening plastic waterproof sealant. This has the consistency of putty and has good insulating properties. It can be moulded around terminals or connectors, or can be used as a mechanical seal for any form of enclosure.

Prysmian
Group

BICON

R392 Plastic Weatherproof Sealing Compound - 3kg

REF NO: U562AA07

- Prevents ingress of moisture
- Non Hardening
- Protects exposed terminals against corrosion
- Easily applied to intricate contours
- Good adhesion to metal, plastic, wood, rubber, PVC, etc.
- Suitable for temperatures between -20°C and +80°C
- Vibration resistant
- Long shelf life when stored in original packaging (under normal conditions)
- Harmless to hands

Compound Selection			
Part Number	Blocks per pack	Weight of Block kg	Weight of Pack kg
R392	1	3.0	3.0

To protect electrical connections from moisture and corrosive vapours, Prysmian Components supply a non-hardening plastic waterproof sealant. This has the consistency of putty and has good insulating properties. It can be moulded around terminals or connectors, or can be used as a mechanical seal for any form of enclosure.

Prysmian
Group

BICON

BX1-225 Electrical Joint Compound 225g Tube

REF NO: U7086401

BICON BX1-225 should be used in all aluminium to aluminium and aluminium to copper joints. The contact surfaces of the elements to be joined should be thoroughly scratch brushed. The BICON BX1-225 should be liberally applied and any excess removed after securing the joint. BICON BX1-225 should be used for all applications where insulation will not be applied to the joint, such as substations and switchgears.

Compound Selection		
Part Number	Description	Weight of Pack gm
BX1-225	CGBU7086401 BX1225 Inhibitor Compound	225

BICON Inhibitor compounds are designed to prevent galvanic corrosion and to enhance connections in electrical joints. They are especially effective when used on copper to aluminium and aluminium to aluminium connections.

Prysmian
Group

BICON

Electrical Joint Compound BX1 - 3kg Bucket

REF NO: U8644201

BICON BX1 Bucket should be used in all aluminium to aluminium and aluminium to copper joints. The contact surfaces of the elements to be joined should be thoroughly scratch brushed.

The BICON BX1 Bucket should be liberally applied and any excess removed after securing the joint. BICON BX1 Bucket should be used for all applications where insulation will not be applied to the joint, such as substations and switchgears.

Compound Selection		
Part Number	Description	Weight of Pack kg
BX1-3KG	CGBU8644201 BX1Bucket Inhibitor Compound	3.0

BICON Inhibitor compounds are designed to prevent galvanic corrosion and to enhance connections in electrical joints. They are especially effective when used on copper to aluminium and aluminium to aluminium connections.

Prysmian
Group

BICON

Electrical Joint Inhibitor Compound BX13 - 3kg Bucket

REF NO: U8644101

Should be used in all aluminium to aluminium and aluminium to copper joints. The contact surfaces of the elements to be joined should be thoroughly scratch brushed.

The BICON BX1-225 should be liberally applied and any excess removed after securing the joint. Should be used for all applications where insulation will be applied to the connection.

Compound Selection		
Part Number	Description	Weight of Pack kg
BX13-3KG	CGBU8644101 BX13 Bucket Inhibitor Compound	3.0

Prysmian
Group

BICON

BICASEAL Solid Setting Putty - 0.5kg

REF NO: F7061252

Bicaseal can be used for capping ends of metal or PVC/XLPE sheathed cables and for sealing the crutches of PVC/XLPE cables. It can be used to make a 'wipe' between a service box and a PVC/XLPE sheathed cable. Neat plumbs can be formed with Bicaseal. Bicaseal is a two part putty mix, supplied as individually wrapped sticks of resin and hardener, which are different in colour to aid complete mixing. It has a usable life of 60 minutes at 20°C with an average setting time of 1 hour 30 minutes.

Compound Selection		
Part Number	Description	Weight of Pack kg
F7061252	CGBUF7061252 Bicaseal Putty In 0.5Kg Pack	0.5

Prysmian
Group

BICON

G38A Hot Pour Compound

REF NO: F7003855

Filling compound suitable for power cable joints and termination boxes. Designed to provide an oil resistant joint or box filling compound for PILC cables up to 33kV. Semi-solid filling compound.

Compound Selection		
Part Number	Description	Size Pack ltr
UF7003855	G38A Hot Pour Compound	25

Prysmian
Group

BICON

G101 Hot Pour Bitumen Compound

REF NO: UG101123

G101 Bitumen compound is an encapsulating medium/sealant for power cable joints and terminations, suitable for use at voltages up to and including 11kV. G101-123 is designed as a hot pour insulating compound for joint and box filling applications up to 11kV, CGBUG101123 is UK Power Networks approved.

Compound Selection		
Part Number	Description	Weight of Pack kg
UG101123	G101 Hot Pour Bitumen Compound	10.0

Industrial Glands Selector

Correctly selected and installed Cable Glands will attach and secure the end of a cable to an enclosure/ equipment providing for:

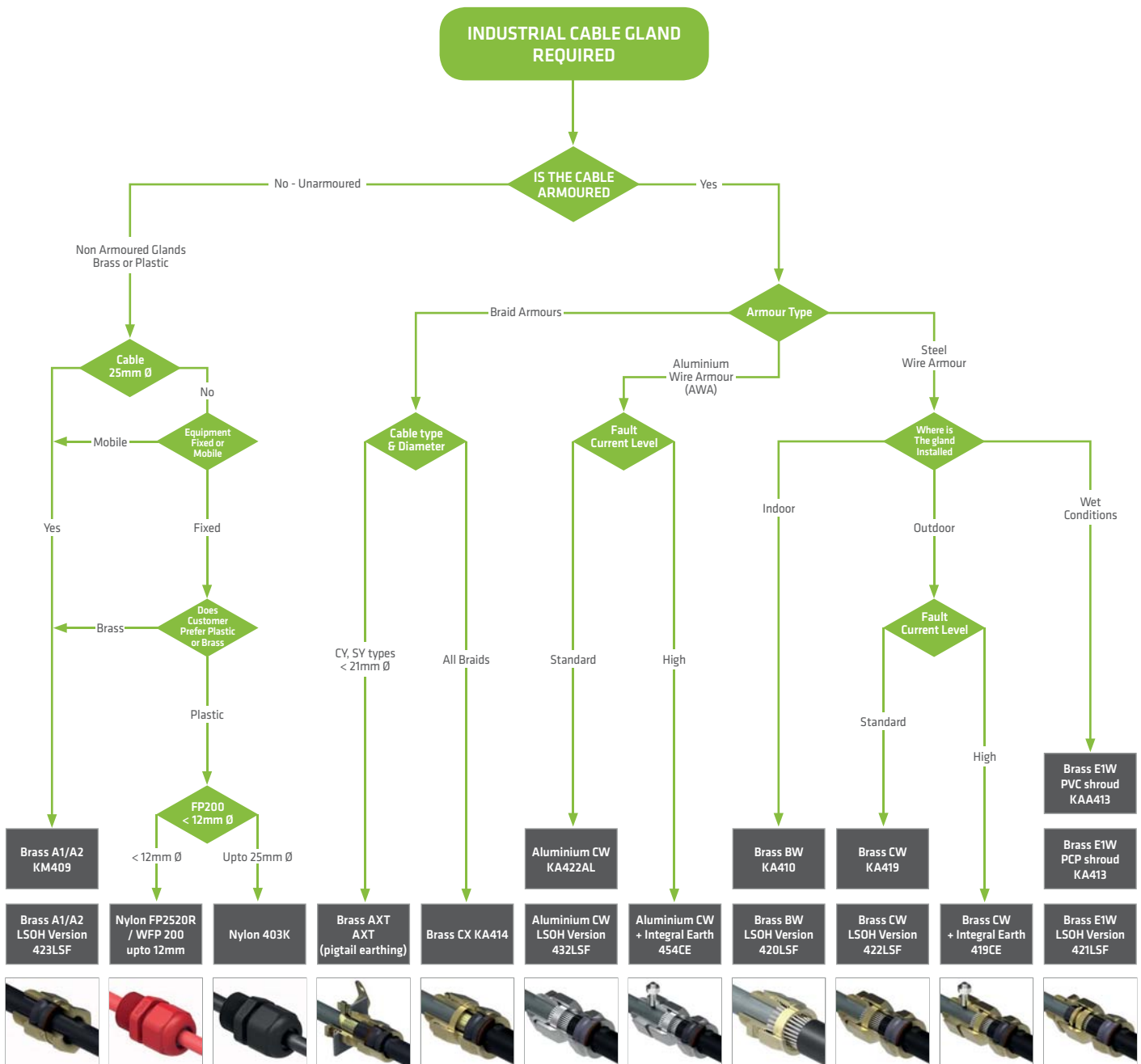
- Mechanical support
- Earth continuity
- Protection against ingress of dust
- Protection against ingress of moisture

See Selection chart below for Industrial gland Selection

Plus in Hazardous areas

- Prevents migration of gases
- Controls/contains explosions

INDUSTRIAL GLAND SELECTION CHART



Prysmian
Group

BICON

A1/A2 Gland Kit

Indoor / Outdoor Cable Gland (KM409 Series)

REF NO: SEE TABLE

Contents:

A1/A2 Gland
Brass Locknut
PVC Shroud
(2 per kit up to and including 25mm size)

Gland Kit Reference

Design Reference		Size		Qty per Kit
Standard	Nickel Plated	Metric	NPT	
KM409-51	KM409-51V	16		2
KM409-71	KM409-71V	20S5		2
KM409-52	KM409-52V	20S		2
KM409-53	KM409-53V	20		2
KM409-55	KM409-55V	25		2
KM409-56	KM409-56V	32		1
KM409-57	KM409-57V	40		1
KM409-58	KM409-58V	50S		1
KM409-59	KM409-59V	50		1
KM409-60	KM409-60V	63S		1
KM409-61	KM409-61V	63		1
KM409-62	KM409-62V	75S		1
KM409-63	KM409-63V	75		1
KP409-65*	KM409-65V	90		1
KP409-66*	KM409-66V	100		1
KP409-67*	KM409-67V	110		1
		409NP-04V	1/2" - 20S	1
		409NP-08V	3/4" - 20	1
		409NP-14V	1" - 25	1
		409NP-20V	1 1/4" - 32	1
		409NP-27V	1 1/2" - 40	1
		409NP-31V	2" - 50S	1
		409NP-32V	2" - 50	1
		409NP-37V	2 1/4" - 63S	1
		409NP-44V	3" - 75S	1

*KP Kits contain only Gland & Locknut **NPT threaded glands are supplied as glands only.

Prysmian
Group

BICON

BW Gland Kit

Indoor Cable Gland (KA410 Series)

REF NO: SEE TABLE

Contents:

BW Gland
Brass Earth Tag
Brass Locknut
PVC Shroud
(2 per kit up to and including 25mm size)

Gland Kit Reference

Design Reference	Size	Qty per Kit
KA410-52	20S	2
KA410-53	20	2
KA410-55	25	2
KA410-56	32	1
KA410-57	40	1
KA410-59	50	1
KA410-61	63	1
KA410-62	75S	1
KA410-63	75	1
KA410-64	85	1

Prysmian
Group

BICON

A1/A2 LSOH Gland Kit

Indoor / Outdoor Cable Gland (423LSF Series)

REF NO: SEE TABLE

Contents:

A1/A2 Gland
Brass Locknut
LSOH Shroud
(2 per kit up to and including 25mm size)

Gland Kit Reference

Design Reference		Size	Qty per Kit
Standard	Nickel Plated		
423LSF-71	423LSF-71V	20S5	2
423LSF-52	423LSF-52V	20S	2
423LSF-53	423LSF-53V	20	2
423LSF-55	423LSF-55V	25	2
423LSF-56	423LSF-56V	32	1
423LSF-57	423LSF-57V	40	1
423LSF-58	423LSF-58V	50S	1
423LSF-59	423LSF-59V	50	1
423LSF-60	423LSF-60V	63S	1
423LSF-61	423LSF-61V	63	1
423LSF-62	423LSF-62V	75S	1
423LSF-63	423LSF-63V	75	1

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AFUMEX
REQUIRED

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BICON

BW LSOH Gland Kit

Indoor Cable Gland (420LSF Series)

REF NO: SEE TABLE

Contents:

BW Gland
Brass Earth Tag
Brass Locknut
LSOH Shroud
(2 per kit up to and including 25mm size)

Gland Kit Reference

Design Reference	Size	Qty per Kit
420LSF-52	20S	2
420LSF-53	20	2
420LSF-55	25	2
420LSF-56	32	1
420LSF-57	40	1
420LSF-59	50	1
420LSF-61	63	1
420LSF-62	75S	1
420LSF-63	75	1

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Group



BI con

CW Gland Kit Indoor / Outdoor Cable Gland (KA419 Series)

REF NO: SEE TABLE

Contents:

CW Gland
Brass Earth Tag
Brass Locknut
PVC Shroud
(2 per kit up to and including 25mm size)

Gland Kit Reference

Design Reference		Size		Qty per Kit
Standard	Nickel Plated	Metric	NPT	
KA419-51	KA419-51V	16		2
KA419-71	KA419-71V	20SS		2
KA419-52	KA419-52V	20S		2
KA419-53	KA419-53V	20		2
KA419-55	KA419-55V	25		2
KA419-56	KA419-56V	32		1
KA419-57	KA419-57V	40		1
KA419-58	KA419-58V	50S		1
KA419-59	KA419-59V	50		1
KA419-61	KA419-61V	63		1
KA419-63	KA419-63V	75		1
KA419-64	KA419-64V	85		1
KA419-65	KA419-65V	90		1
KA419-66	KA419-66V	100		1
KA419-67	KA419-67V	110		1
419NP-10V		1" - 20S		1
419NP-08V		¾" - 20		1
419NP-12V		1" - 25		1
419NP-16V		1 ¼" - 32		1
419NP-25V		2 ½" - 50		1
419NP-26V		2 ½" - 63		1

*NPT threaded glands are supplied as glands only.

**Other NPT sizes available upon request.

Prysmian
Group



BI con

CW LSOH Gland Kit Indoor / Outdoor Cable Gland (422LSF Series)

REF NO: SEE TABLE

Contents:

CW Gland
Brass Earth Tag
Brass Locknut
LSOH Shroud
(2 per kit up to and including 25mm size)

Gland Kit Reference

Design Reference		Size	Qty per Kit
Standard	Nickel Plated		
422LSF-51	422LSF-51V	16	2
422LSF-71	422LSF-71 V	20SS	2
422LSF-52	422LSF-52 V	20S	2
422LSF-53	422LSF-53 V	20	2
422LSF-55	422LSF-55 V	25	2
422LSF-56	422LSF-56 V	32	1
422LSF-57	422LSF-57 V	40	1
422LSF-58	422LSF-58 V	50S	1
422LSF-59	422LSF-59 V	50	1
422LSF-61	422LSF-61 V	63	1
422LSF-63	422LSF-63 V	75	1
422LSF-64	422LSF-64 V	85	1



Prysmian
Group



BI con

CW-AL Aluminium Gland Kit Indoor / Outdoor Cable Gland (KA422 Series)

REF NO: SEE TABLE

Contents:

CW-AL Aluminium Gland
Aluminium Earth Tag
Aluminium Locknut
PCP Shroud
(2 per kit up to and including 25mm size)

Gland Kit Reference

Design Reference	Size	Qty per Kit
KA422-56	32	1
KA422-57	40	1
KA422-58	50S	1
KA422-59	50	1
KA422-61	63	1
KA422-63	75	1
KA422-64	85	1

Prysmian
Group



BI con

CW-AL LSOH Aluminium Gland Kit Indoor / Outdoor Cable Gland (432LSF Series)

REF NO: SEE TABLE

Contents:

CW-AL Aluminium Gland
Aluminium Earth Tag
Aluminium Locknut
LSOH Shroud
(2 per kit up to and including 25mm size)

Gland Kit Reference

Design Reference	Size	Qty per Kit
432LSF-56	32	1
432LSF-57	40	1
432LSF-58	50S	1
432LSF-59	50	1
432LSF-61	63	1
432LSF-63	75	1



Prysmian
Group

Bicon

BWL Gland Kit

Indoor Cable Gland (KJ417 Series)

REF NO: SEE TABLE

Contents:

BW Gland
Brass Earth Tag
Brass Locknut
PVC Shroud
(2 per kit up to and including 25mm size)

Gland Kit Reference

Design Reference	Size	Qty per Kit
KJ417-51	16	2
KJ417-52	20S	2
KJ417-53	20	2
KJ417-55	25	2
KJ417-56	32	1
KJ417-57	40	1
KJ417-58	50s	1
KJ417-59	50	1
KJ417-60	63s	1
KJ417-61	63	1
KJ417-62	75S	1
KJ417-63	75	1
KJ417-64	85	1
KJ417-65	90	1

Prysmian
Group

Bicon

CW-B LSOH Gland Kit

Indoor / Outdoor Cable Gland (KV419-B Series)

REF NO: SEE TABLE

Contents:

CW Gland
Brass Earth Tag
Brass Locknut
LSOH Shroud
(2 per kit up to and including 25mm size)

Gland Kit Reference

Design Reference	Size	Qty per Kit
KV419-B81	16	2
KV419-B91	20SS	2
KV419-B82	20S	2
KV419-B83	20	2
KV419-B85	25	2
KV419-B86	32	1

Prysmian
Group

Bicon

Nylon Cable Gland

Cable Gland (FP250)

REF NO: SEE TABLE

Contents:

Nylon Gland
Nylon lock nut

Gland Kit Reference

Design Reference	Size	Qty per Kit
403P*52	20	100

Replace * to specify colour: R=Red, W=White

Prysmian
Group

Bicon

CW-B Gland Kit

Indoor / Outdoor Cable Gland (KA419-B Series)

REF NO: SEE TABLE

Contents:

CW Gland
Brass Earth Tag
Brass Locknut
PVC Shroud
(2 per kit up to and including 25mm size)

Gland Kit Reference

Design Reference	Size	Qty per Kit
KA419-B81	16	2
KA419-B91	20SS	2
KA419-B82	20S	2
KA419-B83	20	2
KA419-B85	25	2
KA419-B86	32	1

Prysmian
Group

Bicon

E1W Gland Kit

Indoor / Outdoor Cable Gland (KA413 Series)

CONTACT US FOR MORE INFO

The E1W is a dual seal weatherproof high performance cable gland for steel wire armoured cables.

Features and benefits:

- Brass indoor & outdoor gland and accessories
- For galvanized-steel single-wire armour plastic or rubber sheathed cables
- Outer seal grips sheath of cable
- Inner seal grips bedding layer of cable
- Suitable for most climatic conditions, weatherproof and waterproof
- Three part armour lock with separate armour locking ring, ideal for checking electrical continuity

AVAILABLE IN BRASS, ALUMINIUM & LSF/LSOH VERSIONS!
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Prysmian
Group

Bicon

Nylon Cable Gland

Cable Gland (403K Series)

REF NO: SEE TABLE

Contents:

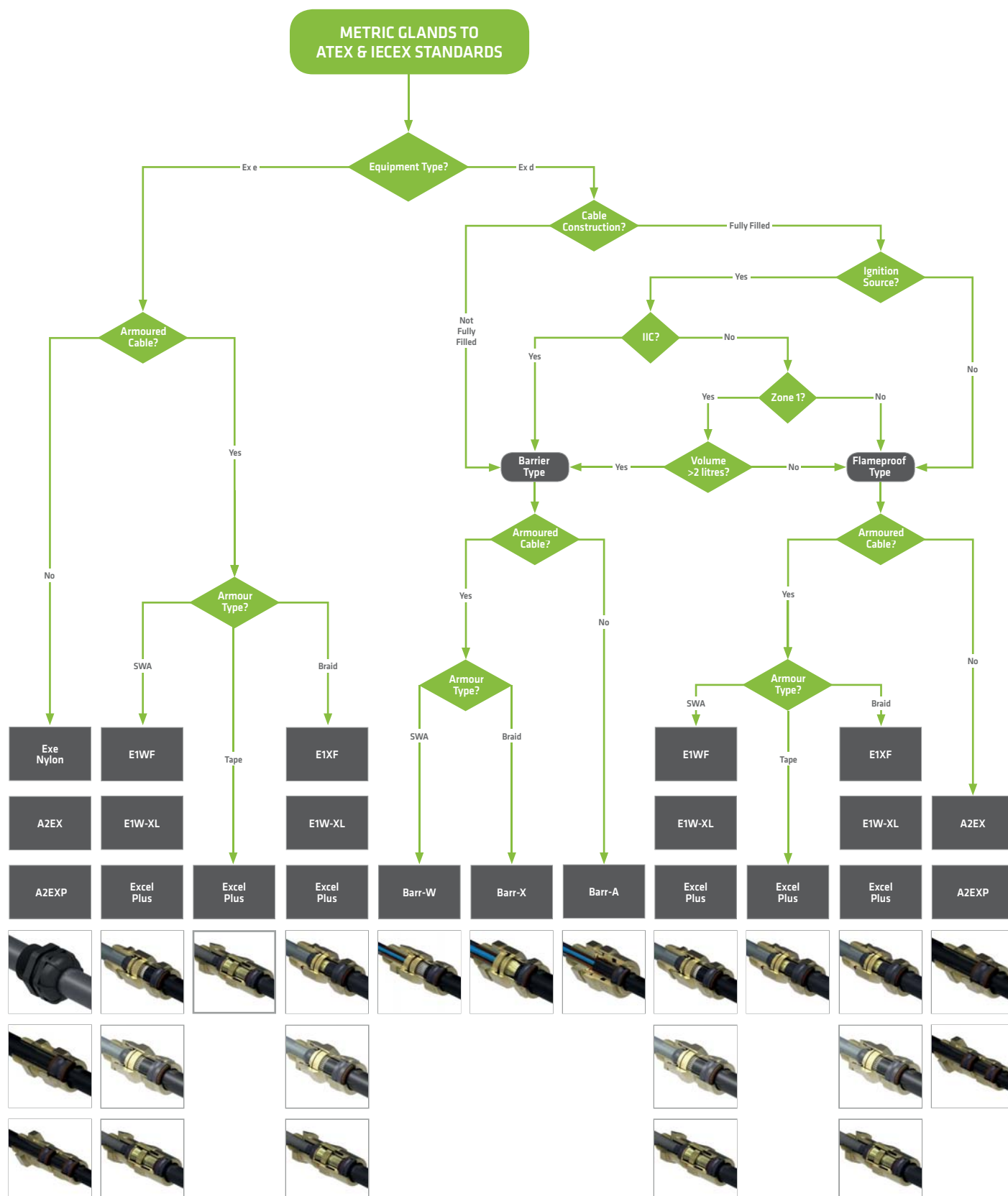
Nylon Gland
Rubber entry thread seal
Nylon lock nut

Gland Kit Reference

Design Reference	Size	Qty per Kit
403K*51	16	10
403K*53	20	10
403K*55	25	10
403K*56	32	10

Replace * to specify colour:
B=Black, W=White, R=Red, G=Grey

HAZARDOUS GLAND SELECTION CHART



Prysmian
Group

BICON

A2EX Ex d IIC / Ex e II
Cable Gland (494AB Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 1 & 2 with Ex p II equipment
- Zone 2 with Ex nA II equipment
- Zones 21 & 22 with Ex tD II equipment

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000 cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000 cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Reference		
Design Reference		Size
Standard	Nickel Plated	
494AB-51	494AB-51V	16
494AB-71	494AB-71V	20SS
494AB-52	494AB-52V	20S
494AB-53	494AB-53V	20
494AB-55	494AB-55V	25
494AB-56	494AB-56V	32
494AB-57	494AB-57V	40
494AB-59	494AB-59V	50
494AB-61	494AB-61V	63
494AB-62	494AB-62V	75S
494AB-63	494AB-63V	75

Sizes 32mm and above shall only be used for fixed installations. In addition the user / installer should ensure that the cables are adequately clamped.

Prysmian
Group

BICON

A2EX(NPT) Ex d IIC / Ex e II
Cable Gland (494NE Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 1 & 2 with Ex p II equipment
- Zone 2 with Ex nA II equipment
- Zones 21 & 22 with Ex tD II equipment

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000 cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000 cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Reference		
Design Reference		Size
Standard	Nickel Plated	
494NE-03	494NE-03V	1/2" - 16
494NE-04	494NE-04V	1/2" - 20S
494NE-05	494NE-05V	1/2" - 20
494NE-08	494NE-08V	3/4" - 20
494NE-10	494NE-10V	3/4" - 25
494NE-14	494NE-14V	1" - 25
494NE-15	494NE-15V	1" - 32
494NE-20	494NE-20V	1 1/4" - 32
494NE-21	494NE-21V	1 1/4" - 40
494NE-27	494NE-27V	1 1/2" - 40
494NE-32	494NE-32V	2" - 50
494NE-38	494NE-38V	2 1/2" - 63
494NE-44	494NE-44V	3" - 75S
494NE-45	494NE-45V	3" - 75

*NPT Threaded glands are supplied as glands only. **Other NPT sizes available upon request. Sizes 32mm and above shall only be used for fixed installations. In addition the user / installer should ensure that the cables are adequately clamped.

Prysmian
Group

BICON

A2EX Ex d IIC / Ex e II
Cable Gland kit (LSOH)(KCH494 Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 1 & 2 with Ex p II equipment
- Zone 2 with Ex nA II equipment
- Zones 21 & 22 with Ex tD II equipment

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000 cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000 cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Kit Reference			
Design Reference		Size	Qty per Kit
Standard	Nickel Plated		
KCH494-51	KCH494-51V	16	2
KCH494-71	KCH494-71V	20SS	2
KCH494-52	KCH494-52V	20S	2
KCH494-53	KCH494-53V	20	2
KCH494-55	KCH494-55V	25	2
KCH494-56	KCH494-56V	32	1
KCH494-57	KCH494-57V	40	1
KCH494-59	KCH494-59V	50	1
KCH494-61	KCH494-61V	63	1
KCH494-62	KCH494-62V	75S	1
KCH494-63	KCH494-63V	75	1

Contents:

A2EX Gland
Brass Locknut
Nylon Sealing Washer
LOSH Shroud
(2 per kit up to and including 25mm size)



Sizes 32mm and above shall only be used for fixed installations.
In addition the user / installer should ensure that the cables are adequately clamped.

Prysmian
Group

BICON

A2EX Ex d IIC / Ex e II
Cable Gland kit (PVC)(KM494 Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 1 & 2 with Ex p II equipment
- Zone 2 with Ex nA II equipment
- Zones 21 & 22 with Ex tD II equipment

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000 cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000 cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Kit Reference			
Design Reference		Size	Qty per Kit
Standard	Nickel Plated		
KM494-51	KM494-51V	16	2
KM494-71	KM494-71V	20SS	2
KM494-52	KM494-52V	20S	2
KM494-53	KM494-53V	20	2
KM494-55	KM494-55V	25	2
KM494-56	KM494-56V	32	1
KM494-57	KM494-57V	40	1
KM494-59	KM494-59V	50	1
KM494-61	KM494-61V	63	1
KM494-62	KM494-62V	75S	1
KM494-63	KM494-63V	75	1

Contents:

A2EX Gland
Brass Locknut
Nylon Sealing Washer
PVC Shroud
(2 per kit up to and including 25mm size)



Sizes 32mm and above shall only be used for fixed installations.
In addition the user / installer should ensure that the cables are adequately clamped.

Prysmian
Group

BICON

A2EXP Ex d IIC / Ex e II
Dual Seal Cable Gland (495AB Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 1 & 2 with Ex p II equipment
- Zone 2 with Ex nA II equipment
- Zones 21 & 22 with Ex tD II equipment

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000 cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000 cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Reference		
Design Reference		Size
Standard	Nickel Plated	
495AB-51	495AB-51V	16
495AB-71	495AB-71V	20SS
495AB-52	495AB-52V	20S
495AB-53	495AB-53V	20
495AB-55	495AB-55V	25
495AB-56	495AB-56V	32
495AB-57	495AB-57V	40
495AB-59	495AB-59V	50
495AB-61	495AB-61V	63
495AB-62	495AB-62V	75S
495AB-63	495AB-63V	75

Sizes 75s and 75 shall only be used for fixed installations. In addition the user / installer should ensure that the cables are adequately clamped.

Prysmian
Group

BICON

A2EXP (NPT) Ex d IIC / Ex e II
Dual Seal Cable Gland (495NE Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 1 & 2 with Ex p II equipment
- Zone 2 with Ex nA II equipment
- Zones 21 & 22 with Ex tD II equipment

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000 cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000 cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Reference		
Design Reference		Size
Standard	Nickel Plated	
495NE-03	495NE-03V	1/2" - 16
495NE-04	495NE-04V	1/2" - 20S
495NE-05	495NE-05V	1/2" - 20
495NE-08	495NE-08V	3/4" - 20
495NE-10	495NE-10V	3/4" - 25
495NE-14	495NE-14V	1" - 25
495NE-15	495NE-15V	1" - 32
495NE-20	495NE-20V	1 1/4" - 32
495NE-21	495NE-21V	1 1/4" - 40
495NE-27	495NE-27V	1 1/2" - 40
495NE-32	495NE-32V	2" - 50
495NE-38	495NE-38V	2 1/2" - 63
495NE-44	495NE-44V	3" - 75S
495NE-45	495NE-45V	3" - 75

*NPT Threaded glands are supplied as glands only.
**Other NPT sizes available upon request.
Sizes 75s and 75 shall only be used for fixed installations. In addition the user / installer should ensure that the cables are adequately clamped.

Prysmian
Group

BICON

A2EXP Ex d IIC / Ex e II
Dual Seal Cable Gland Kit (KM495 Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 1 & 2 with Ex p II equipment
- Zone 2 with Ex nA II equipment
- Zones 21 & 22 with Ex tD II equipment

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000 cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000 cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Kit Reference			
Design Reference		Size	Qty per Kit
Standard	Nickel Plated		
KM495-51	KM495-51V	16	2
KM495-71	KM495-71V	20SS	2
KM495-52	KM495-52V	20S	2
KM495-53	KM495-53V	20	2
KM495-55	KM495-55V	25	2
KM495-56	KM495-56V	32	1
KM495-57	KM495-57V	40	1
KM495-59	KM495-59V	50	1
KM495-61	KM495-61V	63	1
KM495-62	KM495-62V	75S	1
KM495-63	KM495-63V	75	1

Contents:

A2EX Gland
Brass Locknut
Nylon Sealing Washer
PVC Shroud
(2 per kit up to and including 25mm size)

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BICON

E1WF-Al Ex d IIC / Ex e II
Aluminium Cable Gland (455AA Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 2 with Ex nA II equipment
- Zone 21 & 22 with Ex tD A21

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Reference	
Design Reference	Size
Standard	
455AA-56	32
455AA-57	40
455AA-58	50S
455AA-59	50
455AA-60	63S
455AA-61	63
455AA-62	75S
455AA-63	75
455AA-64	85



Prysmian
Group

Bicon

E1WF-AI Ex d IIC / Ex e II
Aluminium Cable Gland Kit
(KCA455 Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 2 with Ex nA II equipment
- Zone 21 & 22 with Ex tD A21

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Kit Reference		
Design Reference	Size	Qty per Kit
Standard		
KCA455-56	32	1
KCA455-57	40	1
KCA455-58	50S	1
KCA455-59	50	1
KCA455-60	63S	1
KCA455-61	63	1
KCA455-62	75S	1
KCA455-63	75	1
KCA455-64	85	1

Contents:

E1WF-AI Aluminium Gland
Aluminium Earth Tag
Aluminium Locknut
Nylon Sealing Washer
PVC Shroud
(2 per kit up to and including 25mm size)

Prysmian
Group

Bicon

E1WF Ex d IIC / Ex e II
Cable Gland
(472AA Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 2 with Ex nA II equipment
- Zone 21 & 22 with Ex tD A21

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Reference		
Design Reference		Size
Standard	Nickel Plated	
472AA-51	472AA-51V	16
472AA-71	472AA-71V	20SS
472AA-52	472AA-52V	20S
472AA-53	472AA-53V	20
472AA-55	472AA-55V	25
472AA-56	472AA-56V	32
472AA-57	472AA-57V	40
472AA-58	472AA-58V	50S
472AA-59	472AA-59V	50
472AA-60	472AA-60V	63S
472AA-61	472AA-61V	63
472AA-62	472AA-62V	75S
472AA-63	472AA-63V	75
472AA-64	472AA-64V	85

Prysmian
Group

Bicon

E1WF Ex d IIC / Ex e II
Cable Gland Kit (PCP) (KA472 Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 2 with Ex nA II equipment
- Zone 21 & 22 with Ex tD A21

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Kit Reference			
Design Reference		Size	Qty per Kit
Standard	Nickel Plated		
KA472-51	KA472-51V	16	2
KA472-71	KA472-71V	20SS	2
KA472-52	KA472-52V	20S	2
KA472-53	KA472-53V	20	2
KA472-55	KA472-55V	25	2
KA472-56	KA472-56V	32	1
KA472-57	KA472-57V	40	1
KA472-58	KA472-58V	50S	1
KA472-59	KA472-59V	50	1
KA472-60	KA472-60V	63S	1
KA472-61	KA472-61V	63	1
KA472-62	KA472-62V	75S	1
KA472-63	KA472-63V	75	1
KA472-64	KA472-64V	85	1

Contents:

E1WF Gland
Brass Earth Tag
Brass Locknut
Nylon Sealing Washer
PCP Shroud
(2 per kit up to and including 25mm size)

Prysmian
Group

Bicon

E1WF Ex d IIC / Ex e II
Cable Gland Kit (PVC) (KCA472 Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 2 with Ex nA II equipment
- Zone 21 & 22 with Ex tD A21

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Kit Reference			
Design Reference		Size	Qty per Kit
Standard	Nickel Plated		
KCA472-51	KCA472-51V	16	2
KCA472-71	KCA472-71V	20SS	2
KCA472-52	KCA472-52V	20S	2
KCA472-53	KCA472-53V	20	2
KCA472-55	KCA472-55V	25	2
KCA472-56	KCA472-56V	32	1
KCA472-57	KCA472-57V	40	1
KCA472-58	KCA472-58V	50S	1
KCA472-59	KCA472-59V	50	1
KCA472-60	KCA472-60V	63S	1
KCA472-61	KCA472-61V	63	1
KCA472-62	KCA472-62V	75S	1
KCA472-63	KCA472-63V	75	1
KCA472-64	KCA472-64V	85	1

Contents:

E1WF Gland
Brass Earth Tag
Brass Locknut
Nylon Sealing Washer
PVC Shroud
(2 per kit up to and including 25mm size)



Prysmian
Group

BICON

E1WF(NPT) Ex d IIC / Ex e II
Cable Gland (472NP Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 2 with Ex nA II equipment
- Zone 21 & 22 with Ex tD A21

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Reference		
Design Reference		
Standard	Nickel Plated	Size
472NP-03	472NP-03V	½" - 16
472NP-04	472NP-04V	½" - 20S
472NP-07	472NP-07V	¾" - 20S
472NP-05	472NP-05V	½" - 20
472NP-08	472NP-08V	¾" - 20
472NP-10	472NP-10V	¾" - 25
472NP-14	472NP-14V	1" - 25
472NP-15	472NP-15V	1" - 32
472NP-20	472NP-20V	1¼" - 32
472NP-21	472NP-21V	1¼" - 40
472NP-27	472NP-27V	1½" - 40
472NP-28	472NP-28V	1½" - 50S
472NP-31	472NP-31V	2" - 50S
472NP-32	472NP-32V	2" - 50
472NP-33	472NP-33V	2" - 63S
472NP-38	472NP-38V	2½" - 63
472NP-39	472NP-39V	2½" - 75S
472NP-45	472NP-45V	3" - 75
472NP-47	472NP-47V	3" - 80

*NPT Threaded glands are supplied as glands only.
**Other NPT sizes available upon request.

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BICON

E1XF Ex d IIC / Ex e II
Cable Gland (473AA Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 2 with Ex nA II equipment
- Zone 21 & 22 with Ex tD A21

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Reference		
Design Reference		
Standard	Nickel Plated	Size
473AA-51	473AA-51V	16
473AA-71	473AA-71V	20SS
473AA-52	473AA-52V	20S
473AA-53	473AA-53V	20
473AA-55	473AA-55V	25
473AA-56	473AA-56V	32
473AA-57	473AA-57V	40
473AA-58	473AA-58V	50S
473AA-59	473AA-59V	50
473AA-60	473AA-60V	63S
473AA-61	473AA-61V	63
473AA-62	473AA-62V	75S
473AA-63	473AA-63V	75
473AA-64	473AA-64V	85

Prysmian
Group

BICON

E1XF Ex d IIC / Ex e II
Cable Gland Kit (PVC)(KCA473 Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 2 with Ex nA II equipment
- Zone 21 & 22 with Ex tD A21

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Kit Reference			
Design Reference			
Standard	Nickel Plated	Size	Qty per Kit
KCA473-51	KCA473-51V	16	2
KCA473-71	KCA473-71V	20SS	2
KCA473-52	KCA473-52V	20S	2
KCA473-53	KCA473-53V	20	2
KCA473-55	KCA473-55V	25	2
KCA473-56	KCA473-56V	32	1
KCA473-57	KCA473-57V	40	1
KCA473-58	KCA473-58V	50S	1
KCA473-59	KCA473-59V	50	1
KCA473-60	KCA473-60V	63S	1
KCA473-61	KCA473-61V	63	1
KCA473-62	KCA473-62V	75S	1
KCA473-63	KCA473-63V	75	1

Contents:

E1XF Gland
Brass Earth Tag
Brass Locknut
Nylon Sealing Washer
PVC Shroud
(2 per kit up to and including 25mm size)

Prysmian
Group

BICON

E1XF(NPT) Ex d IIC / Ex e II
Cable Gland (473NP Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 2 with Ex nA II equipment
- Zone 21 & 22 with Ex tD A21

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume.

Gland Reference		
Design Reference		
Standard	Nickel Plated	Size
473NP-03	473NP-03V	½" - 16
473NP-04	473NP-04V	½" - 20S
473NP-07	473NP-07V	¾" - 20S
473NP-05	473NP-05V	½" - 20
473NP-08	473NP-08V	¾" - 20
473NP-10	473NP-10V	¾" - 25
473NP-14	473NP-14V	1" - 25
473NP-15	473NP-15V	1" - 32
473NP-20	473NP-20V	1¼" - 32
473NP-21	473NP-21V	1¼" - 40
473NP-27	473NP-27V	1½" - 40
473NP-28	473NP-28V	1½" - 50S
473NP-32	473NP-32V	2" - 50
473NP-33	473NP-33V	2" - 63S
473NP-38	473NP-38V	2½" - 63
473NP-44	473NP-44V	3" - 75S
473NP-45	473NP-45V	3" - 75

*NPT Threaded glands are supplied as glands only.
**Other NPT sizes available upon request.



Prysmian
Group

Bicon

E1XF Ex d IIC / Ex e II
Cable Gland Kit (PCP) (KA473 Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 2 with Ex nA II equipment
- Zone 21 & 22 with Ex tD A21

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Kit Reference			
Design Reference		Size	Qty per Kit
Standard	Nickel Plated		
KA473-51	KA473-51V	16	2
KA473-71	KA473-71V	20SS	2
KA473-52	KA473-52V	20S	2
KA473-53	KA473-53V	20	2
KA473-55	KA473-55V	25	2
KA473-56	KA473-56V	32	1
KA473-57	KA473-57V	40	1
KA473-58	KA473-58V	50S	1
KA473-59	KA473-59V	50	1
KA473-60	KA473-60V	63S	1
KA473-61	KA473-61V	63	1
KA473-62	KA473-62V	75S	1
KA473-63	KA473-63V	75	1

Contents:

E1XF Gland
Brass Earth Tag
Brass Locknut
Nylon Sealing Washer
PCP Shroud
(2 per kit up to and including 25mm size)

Prysmian
Group

Bicon

E1W-XL Ex d IIC / Ex e II
Cable Gland Kit (PCP) (KA474 Series)

REF NO: SEE TABLE

May be used in:

- Zones 0, 1 & 2 with Ex ia IIA, B & C equipment
- Zones 1 & 2 with Ex ib IIA, B & C equipment
- Zones 1 & 2 with Ex e II equipment
- Zones 2 with Ex nA II equipment
- Zone 21 & 22 with Ex tD A21

Where the cable is effectively filled, may also be used in:

Zones 1 & 2 with Ex d IIC equipment not containing a source of ignition & with a volume less than 2000cm³. Zones 1 & 2 with Ex d IIA & Ex d IIB equipment not containing a source of ignition & with any volume. Zone 1 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with a volume less than 2000cm³. Zone 2 with Ex d IIA & Ex d IIB equipment containing a source of ignition & with any volume. Zone 2 with Ex nR II equipment.

Gland Kit Reference			
Design Reference		Size	Qty per Kit
Standard	Nickel Plated		
KA474-71	KA474-71V	20SS	2
KA474-52	KA474-52V	20S	2
KA474-53	KA474-53V	20	2
KA474-55	KA474-55V	25	2
KA474-56	KA474-56V	32	1
KA474-57	KA474-57V	40	1
KA474-58	KA474-58V	50S	1
KA474-59	KA474-59V	50	1
KA474-60	KA474-60V	63S	1
KA474-61	KA474-61V	63	1
KA474-62	KA474-62V	75S	1
KA474-63	KA474-63V	75	1
KA474-64	KA474-64V	85	1

Contents:

E1W-XL Gland
Brass Earth Tag
Brass Locknut
Nylon Sealing Washer
PCP Shroud
(2 per kit up to and including 25mm size)



E1W-XL ALSO AVAILABLE
NICKEL PLATED & NPT THREADS
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Prysmian
Group

Bicon

Afumex Telcleat®
(LSOH) 385LSF series

REF NO: SEE TABLE

- Suitable for use with cable diameters 10 to 51mm.
- Manufactured from LSOH polymer.
- Designed for use with Afumex LSOH and Saffire OHLS Cables.
- Overlapping self-adjusting ranges.
- Sunlight (UV) and weather resistant.
- One piece, single fixing design.
- Can be double stacked on a single fixing.
- Operating temperature -40°C to +40°C.
- Tested in accordance with BS EN 50368.
- LUL approved product register ID 1259.

Afumex
SAFFIRE^{OHLS®}

Cable and Cleat Selection

Design Number	Cable Diameter		Standard Pack
	A (mm)		Quantities
	Min	Max	
385LSF01	10.5	14.5	100
385LSF02	12.2	16.7	100
385LSF03	14.6	19.8	100
385LSF04	17.7	24.0	50
385LSF05	21.7	28.5	25
385LSF06	26.2	34.2	25
385LSF07	31.9	41.6	10
385LSF08	39.3	51.1	10

Prysmian
Group

Bicon

Telcleat®
385 series

REF NO: SEE TABLE

- Suitable for use with cable diameters 10 to 51mm.
- Manufactured from Low Density Polythene.
- Overlapping self-adjusting ranges.
- Sunlight (UV) and weather resistant.
- One piece, single fixing design.
- Can be double stacked on a single fixing.
- Operating temperature -40°C to +60°C.
- Tested in accordance with BS EN 50368.

Cable and Cleat Selection

Design Number	Cable Diameter		Standard Pack
	A (mm)		Quantities
	Min	Max	
385AA01	10.5	14.5	100
385AA02	12.2	16.7	100
385AA03	14.6	19.8	100
385AA04	17.7	24.0	50
385AA05	21.7	28.5	25
385AA06	26.2	34.2	25
385AA07	31.9	41.6	10
385AA08	39.3	51.1	10

Prysmian
Group

Bicon

Afumex Two Bolt Cleat (LSOH)
374LSF series

REF NO: SEE TABLE

- Suitable for use with cable diameters 50 to 94mm.
- Manufactured from LSOH Polymer.
- Designed for use with Afumex LSOH and Saffire OHLS cables.
- Low Smoke and Zero Halogen.
- Sunlight (UV) and weather resistant.
- Two-piece, two fixing design.
- Can be double stacked on common fixings.
- Operating temperature -40°C to +60°C.
- Tested in accordance with BS EN 50368.
- LUL approved product register ID 1958.

Afumex
SAFFIRE^{OHLS®}

Cable and Cleat Selection

Design Number	Cable Diameter	
	A (mm)	
	Min	Max
374LSF01	50	58
374LSF02	56	64
374LSF03	62	70
374LSF04	68	76
374LSF05	74	82
374LSF06	80	88
374LSF07	86	94

Method of Fixing

In all applications the cleat should be mounted on suitable M10 fixings. There is no need for any channel adaptor when mounting directly on to 'C' section channel.

Prysmian
Group

Bicon

Plastic Two Bolt Cleat
374 series

REF NO: SEE TABLE

- Suitable for use with cable diameters 50 to 94mm.
- Manufactured from black high-density nylon 66.
- Unaffected by corrosive environments such as oils and many chemicals.
- Sunlight (UV) and weather resistant.
- Two-piece, two fixing design.
- Can be double stacked on common fixings.
- Operating temperature -25°C to +85°C.
- Tested in accordance with BS EN 50368.

Cable and Cleat Selection

Design Number	Cable diameter	
	A (mm)	
	Min	Max
374AA01	50	58
374AA02	56	64
374AA03	62	70
374AA04	68	76
374AA05	74	82
374AA06	80	88
374AA07	86	94

Method of Fixing

In all applications the cleat should be mounted on suitable M10 fixings. There is no need for any channel adaptor when mounting directly on to 'C' section channel.

Prysmian
Group



Bitcon



AP Clips

REF NO: SEE TABLE

The AP clip is a single fixing clip, ideal for a simple cable run. Tested with FP cables, the AP clip is suitable for fire alarm cables and visible installations. Fire tested with FP cables. Suitable for Prysmian FP200 Gold®, FP Plus™, FP Plus Flex™ and Afumex LSX™. Suitable for Draka FT30, FT120 and FT Data. Made from BS EN 1652 copper strip. Meets the cable support requirements of BS 5839-1:2002+A2:2008.

Clip Selection				
Style	Design Number		Cable Diameter	
	Red	White	A (mm)	
			Min	Max
AP7	386PR07	386PW07	7.8	8.2
AP8	386PR08	386PW08	8.3	8.8
AP9	386PR09	386PW09	9	9.9
AP10	386PR10	386PW10	10	10.9
AP11	386PR11	386PW11	11	11.9
AP12	386PR12	386PW12	12	12.9
AP13	386PR13	386PW13	13	13.9



Prysmian
Group



Bitcon



Firefix - Clips Only

Single/Double Clips

REF NO: SEE TABLE

The Firefix single/double clip is an LUL approved clip for rapid installation of fire alarm and emergency lighting cables. Nail fixed fire resistant clip. The Firefix system is fast easy and meets the cable support requirements of British standards: BS5839-1: 2002, BS5266-1:2011 and BS5839-8: 2006. Designed to be used with the Spit Pulsa™ gas nailing technology for rapid installation. Made from corrosion resistant Stainless Steel which is coated with an intumescent LSOH coating in either white or red to match the cable.

LUL APR Product ID 1960.

Clip Selection					
Design Number			Cable Diameter		Box
Catalogue Number	Colour	Clip Type	A (mm)		Qty
			Min	Max	
FPZF01R	RED	SINGLE	7.7	8.2	1000
FPZF01W	WHITE	SINGLE	7.7	8.2	1000
FPZF02R	RED	DOUBLE	7.7	8.5	1000
FPZF02W	WHITE	DOUBLE	7.7	8.5	1000
FPZF04R	RED	DOUBLE	8.5	9.0	1000
FPZF04W	WHITE	DOUBLE	8.5	9.0	1000

Nailing tool sold separately. Part No: PULSA800E



Prysmian
Group



Bitcon

LUL APR Product ID 1960.



Firefix Kit

Double Clips, Nails & Gas

REF NO: SEE TABLE

The Firefix double clip is an LUL approved clip for rapid installation of fire alarm and emergency lighting cables. Nail fixed fire resistant clip. The Firefix system is fast easy and meets the cable support requirements of British standards: BS5839-1: 2002, BS5266-1:2011 and BS5839-8: 2006. Designed to be used with the Spit Pulsa™ gas nailing technology for rapid installation. Made from corrosion resistant Stainless Steel which is coated with an intumescent LSOH coating in either white or red to match the cable.

Kit contents : Clips, ITW nails and gas cartridge, pin guide adaptors

Clip Selection				
Design Number		Cable Diameter		Kit
Standard	Colour	A (mm)		Qty
		Min	Max	
FPNF02R	Red	7.7	8.5	500
FPNF02W	White	7.7	8.5	500
FPNF02R15	Red	7.7	8.5	500
FPNF02W15	White	7.7	8.5	500
FPNF04R	Red	8.5	9.0	500
FPNF04W	White	8.5	9.0	500
FPNF04R15	Red	8.5	9.0	500
FPNF04W15	White	8.5	9.0	500

Nailing tool sold separately. Part No: PULSA800E

Prysmian
Group



Bitcon

LUL APR Product ID 1960.



Firefix Kit

Single Clips, Nails & Gas

REF NO: SEE TABLE

The Firefix single clip is an LUL approved clip for rapid installation of fire alarm and emergency lighting cables. Nail fixed fire resistant clip. The Firefix system is fast easy and meets the cable support requirements of British standards: BS5839-1: 2002, BS5266-1:2011 and BS5839-8: 2006. Designed to be used with the Spit Pulsa™ gas nailing technology for rapid installation. Made from corrosion resistant Stainless Steel which is coated with an intumescent LSOH coating in either white or red to match the cable.

Kit contents : Clips, ITW nails and gas cartridge

Clip Selection					
Design Number		Cable Diameter		Kit	
Standard	Colour	A (mm)		Qty	
		Min	Max	Height	
FPNF01R	Red	7.7	8.2	13.6	500
FPNF01W	White	7.7	8.2	13.6	500
FPNF01R15	Red	7.7	8.2	13.6	500
FPNF01W15	White	7.7	8.2	13.6	500
FPNF03R	Red	8.2	9.2	13.6	500
FPNF03W	White	8.2	9.2	13.6	500

Nailing tool sold separately. Part No: PULSA800E

Prysmian
Group

BICON

Claw Cleat (Aluminium)
370BA/370BB series

REF NO: SEE TABLE

- Suitable for use with cable diameters 10 to 51mm.
- Manufactured from aluminium alloy.
- Two-piece, single fixing design.
- Can be stacked to a maximum of three on one fixing.
- Operating temperature -60°C to +105°C.
- Can be used for all types of cable routes.
- Plain finish - for normal industrial areas or outdoor unpolluted areas.
- Epoxy coated versions available for harsher environments.
- Packing pieces to be used where required.
- LUL approved product register ID 1959.

Cable and Cleat Selection

Design Number		Cable diameter	
Standard	Epoxy Coated	A (mm)	
		Min	Max
370BA01	370BB01	10	13
370BA02	370BB02	13	16
370BA03	370BB03	16	19
370BA04	370BB04	19	22
370BA05	370BB05	22	25
370BA06	370BB06	25	32
370BA07	370BB07	32	38
370BA08	370BB08	38	44
370BA09	370BB09	44	51

Method of Fixing

In all applications the cleats should be mounted on suitable M10 fixings. When mounting directly on channel, adaptor plate 380AG02 should be used. When stacking claw cleats use packing piece 389AC03 between cleats.

Prysmian
Group

BICON

Two Bolt Cleat (Aluminium)
370BA/370BB series

REF NO: SEE TABLE

Suitable for use with cable diameters 51 to 159mm. Manufactured from aluminium alloy. Two-piece, two fixing design. Can be double stacked on common fixings. Operating temperature -60°C to +105°C. Suitable for LV & HV cables. Can be used for all types of cable routes. Plain finish - for normal industrial areas or outdoor unpolluted areas. Epoxy Coated versions available for harsher environments. Optional rubber liners available. Tested in accordance with BS EN 50368.

LUL approved product register ID 1963.

Cable and Cleat Selection

Design Number		Cable Diameter	
Standard	Epoxy Coated	A (mm)	
		Min	Max
370BA10	370BB10	51	57
370BA11	370BB11	57	64
370BA12	370BB12	64	70
370BA13	370BB13	70	76
370BA14	370BB14	76	83
370BA15	370BB15	83	89
370BA16	370BB16	89	95
370BA17	370BB17	95	101
370BA18	370BB18	101	108
370BA19	370BB19	108	114
370BA30	370BB30	115	121
370BA31	370BB31	121	127
370BA32	370BB32	127	133
370BA33	370BB33	133	140
370BA34	370BB34	140	146
370BA35	370BB35	146	152
370BA36	370BB36	152	159

Method of Fixing
In all applications the cleat should be mounted on suitable fixings, see table for appropriate size. When mounting directly on channel, adaptor plate 380AG02 should be used.

Prysmian
Group

BICON

Claw Cleat (Fire Performance)
370CG series

REF NO: SEE TABLE

Suitable for use with cable diameters 10 - 54mm. Fire Performance cable cleats for use with FP400/FP600. Two-piece, single fixing design. Can be stacked to a maximum of three on one fixing. Operating temperature -60°C to +105°C. Can withstand a 2 hour excursion to 1000°C. Can be used for all types of cable routes. Can be used for all types of cable routes. Suitable for all environments. Packing pieces to be used where required. Allows fire performance cables to meet the requirements of BS 6387:1994, BS 5839-1:2002, BS7346-6:2005 & BS8491:2008.



LUL Approved product register ID 1961.

Cable and Cleat Selection

Design Number		Cable diameter	
		A (mm)	
		Min	Max
370CG01		10	13
370CG02		13	16
370CG03		16	19
370CG04		18	22
370CG05		21	26
370CG06		25	32
370CG07		31	38
370CG08		36	46
370CG09		44	54

Method of Fixing

In all applications the cleats should be mounted on suitable fixings, see table for appropriate size. When mounting directly on channel, adaptor plates 380AG02 should be used. When stacking claw cleats use packing piece 389AC01 between cleats.

Prysmian
Group

BICON

Two Bolt Cleat (Fire Performance)
370CG series

REF NO: SEE TABLE

- Suitable for use with cable diameters 51 - 89mm.
- Fire Performance cable cleats for use with FP400/FP600.
- Two-piece, two fixing design.
- Can be double stacked on common fixings.
- Operating temperature -60°C to +105°C.
- Can withstand a 2 hour excursion to 1000°C.
- Can be used for all types of cable routes.
- Suitable for all environments.
- Allows fire performance cables to meet the requirements of BS 6387:1994, BS 5839-1:2002, BS7346-6:2005 & BS8491:2008.



LUL Approved product register ID 1964.

Cable and Cleat Selection

Design Number		Cable diameter	
		A (mm)	
		Min	Max
370CG10		51	59
370CG11		54	62
370CG12		57	65
370CG13		62	70
370CG14		68	76
370CG15		74	82
370CG16		80	89

Method of Fixing

In all applications the cleats should be mounted on suitable fixings, see table for appropriate size. When mounting directly on channel, adaptor plate 380AG02 should be used..

Prysmian
Group

Bicon

Sirius Cleat
379TC series

REF NO: SEE TABLE

Suitable for use with cable diameters 23 to 128mm. Single or double bolt fixing with reversible base for range taking. Operating temperatures -40°C to +120°C. Ergonomic design allows easy installation, with single tool tightening from the top side. Manufactured from non-magnetic, corrosion resistant 316L stainless steel. Liners are made from LSOH materials. Suitable for single core cables laid in trefoil formation with high fault current requirements. Suitable for standard and LSOH cable sheaths. Can be used in harsh environments. Suitable for use with all standard ladder and tray systems. Complies with BS EN 61914.

Cleat Selection

Design Number	Cable Diameter	
	A (mm)	
	Min	Max
379TC01	23	28
379TC02	27	32
379TC03	30	35
379TC04	33	38
379TC05	36	42
379TC06	40	46
379TC07	44	50
379TC08	48	55
379TC09	51	58
379TC10	55	62
379TC11	59	66
379TC12	63	70
379TC13	67	74
379TC14	71	78
379TC15	74	82
379TC16	77	85
379TC17	82	88
379TC18	88	96
379TC19	96	103
379TC20	103	111
379TC21	111	119
379TC22	119	128

All cleats have a single central fixing hole for a 12mm diameter fixing bolt. Styles 02 to 22 can be also fixed with 2 x 10mm bolts - the 10mm clearance holes are positioned either side of the central hole with centres as per dimension D.

Prysmian
Group

Bicon

Orion Cleat
376 series

REF NO: SEE TABLE

Suitable for use with cable diameters 62-186mm. Manufactured from aluminium alloy. Suitable for use on LV, MV & HV cable designs. Single or two bolt fixing. Designed for use with larger diameter single core cables laid in trefoil formation. Deep section cast bases aid cable installation. Can be supplied with rubber liners. Profiled versions are available to meet specific design requirements. Tested in accordance with EN 50368:2003.

Cable and Cleat Selection

Design Number		Cable Diameter	
Standard	Epoxy coated	A (mm)	
		Min	Max
376TR06	376TE06	62	75
376TR07	376TE07	75	90
376TR08	376TE08	90	107
376TR09	376TE09	107	129
376TR10	376TE10	129	155
376TR11	376TE11	155	186

Note 1: All cleats have the facility for single or two bolt fixing for M12 bolt. If 2 bolt fixings are used a minimum grade of 8.8 must be selected Note 2: 376TR11 and 376TE11 have four fixing bolts. Dimension C as above with 70mm between the bolts.

Prysmian
Group

Bicon

Orbit Cleat
379SC series

REF NO: SEE TABLE

Suitable for use with cable diameters 33 to 150mm. Single bolt fixing with reversible base for range taking. Operating temperatures -40°C to +120°C. Ergonomic design allows easy installation, with single tool tightening from the top side. Manufactured from non-magnetic, corrosion resistant 316L stainless steel. Liners are made from LSOH materials. Suitable for use with single and multicore cables with high fault current requirements. Suitable for standard and LSOH cable sheaths. Can be used in harsh environments. Can be used with all standard ladder and tray systems. Complies with BS EN 61914.

Cleat Selection

Design Number	Cable Diameter	
	A (mm)	
	Min	Max
379SC01	33	40
379SC02	38	46
379SC03	45	53
379SC04	52	60
379SC05	59	67
379SC06	66	74
379SC07	72	82
379SC08	82	92
379SC09	92	103
379SC10	103	113
379SC11	113	123
379SC12	122	132
379SC13	131	141
379SC14	140	150

All cleats have a single central fixing hole for a 12mm diameter fixing bolt.

Prysmian
Group

Bicon

Libra Cleat
376AC/376AE series

REF NO: SEE TABLE

The libra cleat is an aluminium cleat suitable for single core cables laid in trefoil. Suitable for use with cable diameters 24 to 76mm. Manufactured from aluminium alloy. Suitable for single core cables laid in trefoil. Can be used with all types of cable routes. Supplied complete with top fastening. Plain finish for indoor dry normal industrial use or outdoor unpolluted areas. Epoxy coated for harsh environments. Operating temperature -60°C to +100°C. Suitable for use at a maximum system fault level of 30kA rms.

Cable and Cleat Selection

Design Number		Cable Diameter	
Standard	Epoxy Coated	A (mm)	
		Min	Max
376AC01	376AE01	24	25
376AC02	376AE02	25	27
376AC03	376AE03	27	28
376AC04	376AE04	28	30
376AC05	376AE05	30	32
376AC06	376AE06	32	34
376AC07	376AE07	34	35
376AC08	376AE08	35	36
376AC09	376AE09	36	38
376AC10	376AE10	38	40
376AC11	376AE11	40	41
376AC12	376AE12	41	43
376AC13	376AE13	43	44
376AC14	376AE14	44	46
376AC15	376AE15	46	48
376AC16	376AE16	48	49
376AC17	376AE17	49	51

Cable and Cleat Selection

Design Number		Cable Diameter	
Standard	Epoxy Coated	A (mm)	
		Min	Max
376AC18	376AE18	51	53
376AC19	376AE19	53	54
376AC20	376AE20	54	55.5
376AC21	376AE21	55.5	57
376AC22	376AE22	57	59
376AC23	376AE23	59	60
376AC24	376AE24	60	62
376AC25	376AE25	62	63.5
376AC26	376AE26	63.5	65
376AC27	376AE27	65	66.5
376AC28	376AE28	66.5	68
376AC29	376AE29	68	70
376AC30	376AE30	70	71.5
376AC31	376AE31	71.5	73
376AC32	376AE32	73	74.5
376AC33	376AE33	74.5	76

Dutchclamp® SE Type Cable Cleats**2 Bolt Single Way**

REF NO: SEE TABLE



For the short circuit proof mounting of single and multicore low, medium and high voltage cables. For cables with an overall diameter of Ø 15 mm up to 170 mm. Resistant to oils, UV, ozone, salt, moisture, acids and even nuclear radiation. UL94 self extinguishing, Halogen-free. Temperature range from -40°C to 120°C. (225°C) momentarily. Coloured black. Non magnetic / non conductive. Tailor-made fastening material is also available. Non oxidizing / non corrosive. No sharp angles. Lifetime warranty.

Dutchclamp Selection

Catalogue Number	Cable Diameter Ø	
	Min (mm)	Max (mm)
SE 15 - 26	15	26
SE 26 - 38	26	38
SE 36 - 52	36	52
SE 50 - 75	50	75
SE 75 - 100	75	100
SE 100 - 135	100	135
SE 135 - 170	135	170

Dutchclamp® Triple Type Cable Cleats**Trefoil Cable Cleats**

REF NO: SEE TABLE



For the mounting of three single or multicore low, medium and high voltage cables in a triangular (trefoil) formation. For cables with an overall diameter of Ø 27 mm up to 150 mm. Resistant to oils, fats, UV, ozone, frost, heat, salt, moisture, acids, alkalis and even nuclear radiation. Unique stacking feature. UL94 self extinguishing, Halogen-free. Temperature range from -40°C to 120°C. (225°C) momentarily. Coloured black. Non magnetic / non conductive. Tailor-made fastening material is also available. Non oxidizing / non corrosive. No sharp angles. Lifetime warranty.

Dutchclamp Selection

Catalogue Number	Cable Diameter Ø (3x)	
	Min (mm)	Max (mm)
TRIPLE 27 - 38	27	38
TRIPLE 38 - 51	38	51
TRIPLE 51 - 69	51	69
TRIPLE 69 - 90	69	90
TRIPLE 90 - 118	90	118
TRIPLE 118 - 150	118	150

Dutchclamp® Towerclamp**Trefoil Cable Cleats**

REF NO: SEE TABLE



For the short circuit proof mounting of three single or multicore low, medium and high voltage cables in a triangular (trefoil) formation. (12 cables using 1 clamp) 4 x 3 cables from Ø 27 mm up to 38 mm. For cables with an overall diameter of Ø 27 mm up to 38 mm. Also suitable for tubes and hoses. Resistant to oils, fats, UV, ozone, frost, heat, salt, moisture, acids, alkalis and even nuclear radiation. Unique stacking feature. UL94 self extinguishing, Halogen-free. Temperature range from -40°C to 120°C. (225°C) momentarily. Non magnetic / non conductive. Non oxidizing / non corrosive. No sharp angles. Recyclable. Lifetime warranty.

**SPECIALLY
DEVELOPED FOR
WIND TURBINES**

Dutchclamp Selection

Catalogue Number	Cable Diameter Ø	
	Min (mm)	Max (mm)
TOWERCLAMP	27	38

Dutchclamp® SEG Type Cable Cleats**2 Bolt Single Way (Stackable)**

REF NO: SEE TABLE



For the short circuit proof mounting of single and multicore low, medium and high voltage cables. For cables with an overall diameter of Ø 26 mm up to 80 mm. Resistant to oils, UV, ozone, salt, moisture, acids and even nuclear radiation. UL94 self extinguishing, Halogen-free. Temperature range from -40°C to 120°C. (225°C) momentarily. Coloured black. Non magnetic / non conductive. Tailor-made fastening material is also available. Non oxidizing / non corrosive. No sharp angles. Lifetime warranty.

Dutchclamp Selection

Catalogue Number	Cable Diameter Ø	
	Min (mm)	Max (mm)
SEG 26 - 50	26	50
SEG 50 - 80	50	80

Dutchclamp® IM Type Cable Cleats**Cable Clamps/Cable Blocks/Cable Transits**

REF NO: SEE TABLE

**Ideal for:**

- High rise buildings
- Elevator shafts
- Long runs of cable
- Multiple cable runs

Dutchclamp® Unifix IM blocks have been specially developed for the short circuit proof mounting of cables with a diameter of between 12 mm and 32 mm (Unifix IM 12-32) or cables with a diameter of between 32 mm and 48 mm (Unifix IM 32-48). You can mount 4 cables next to each other using two blocks. Stack 3 blocks for 8 cables, 4 blocks for 12 cables and 5 blocks for 16 cables. The blocks may also be linked horizontally using the handy dovetail joint connection.

Dutchclamp Selection

Catalogue Number	Cable Diameter Ø	
	Min (mm)	Max (mm)
IM 3 x 12 - 32	12	32
IM 4 x 12 - 32	12	32
IM 4 x 32 - 48	32	48

Examples of the UNIFIX IM in use:

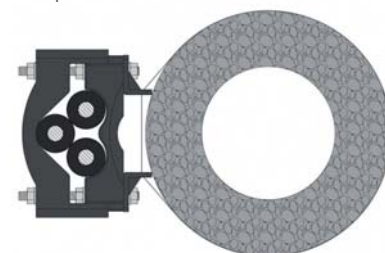
**Dutchclamp® Polefix****For mounting cable blocks and cable clamps**

REF NO: POLEFIX



A stainless steel band and two Pole fixes allow you to mount all types of Dutchclamp cable clamps (cable cleats), cable blocks or other products to (steel or concrete) poles which may not be drilled. Manufactured from polyamide (PA), glass fibre reinforced. Resistant to oils, UV, ozone, salt, moisture, acids and even nuclear radiation. UL94 self-extinguishing, Halogen-free. Temperature range from -40°C to 120°C.

Example of how to use Polefix:



**DUTCHCLAMP
CABLE CLEATS**

**CERTIFIED IN
ACCORDANCE WITH
THE IEC 61914
INTERNATIONAL
STANDARD**

For more info visit: www.etechcomponents.com/suppliers/dutchclamp

Trailing cables a problem on your site?

Tidi-Cable have created a range of innovative UK manufactured products that raise trailing cables off the floor and prevent people from tripping over them.



TIDI HOOKS

Tidi Hooks®

Cable Hooks

REF NO: TC001

Screws to Walls or Ceilings

- Suitable for Construction/Building Sites
- Stocked in Bright Orange
- Available in Any Colour
- Fast Delivery
- Ultra Strong Polypropylene
- Highest Capacity Cable Hooks on the Market
- Fully Reusable and Recyclable
- Used by industry leading names



TIDI HANGERS

Tidi Hanger®

S Hooks

REF NO: TC002

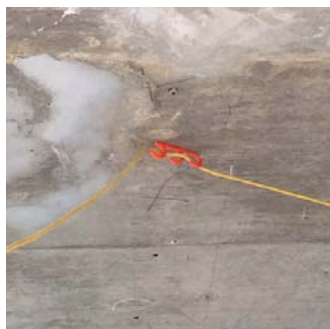
Hang 110v Cables from Overhead Features

- For Scaffolding, Cable Trays and Ceiling Grids.
- Suitable for Construction/Building Sites
- Stocked in Bright Orange
- Available in Any Colour
- Fast Delivery
- Ultra Strong Polypropylene
- Highest Capacity S Hooks on the Market
- Fully Reusable and Recyclable
- Used by industry leading names

Tidi Hook Selection

Part Number	Description	Will Hold
TC001	Tidi Cable - Tidi Hook	9 x 110 Volt Artic Cables

Examples of where the Tidi Hooks can be used:



Tidi Hanger Selection

Part Number	Description	Will Hold
TC002	Tidi Cable - Tidi Hanger	9 x 110 Volt Artic Cables

Examples of where the Tidi Hanger can be used:



TIDI PATCHES

Tidi Patches®

Grade I

REF NO: TC03

Heavy-Duty Adhesive Foam Backing
(Concrete, steel & timber)

Demolition/1st phase construction - Max load 2kg

- Holds 6 x 110v artic cables
- Heavy duty foam backing
- Max load 2kg
- Space every 2 metres
- Suitable for unfinished surfaces
- Manufactured in the UK
- No tools required to fit*
- * Can be screwed to ceiling if required.

Pull adhesive tab parallel to the wall to remove Grade II



TIDI PATCHES

Tidi Patches®

Grade II

REF NO: TC04

Damage/Residue-Free Backing

(Plastered/painted walls, drywall & glass)

Fit-out and finishes phase - Max load 1kg

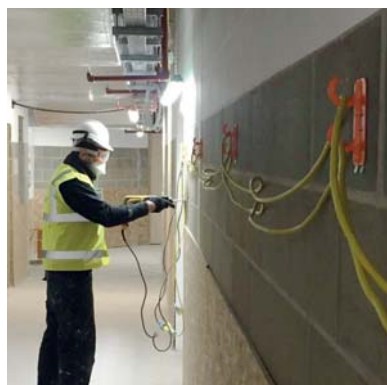
- Holds 6 x 110v artic cables
- Stretch-off, damage free backing
- Max load 1kg
- Space every 2 metres
- Designed for finished surfaces
- Manufactured in the UK
- No tools required to fit*
- * Can be screwed to ceiling if required.

Pull adhesive tab parallel to the wall to remove Grade II

Tidi Patch Selection

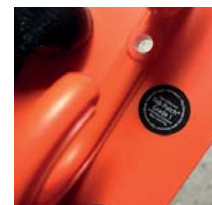
Part Number	Description	Will Hold
TC03	Tidi Patches for Unfinished Surfaces	6 x 110 Volt Artic Cables

Examples of where the Tidi Patches can be used:



For that professional touch you can personalise with your company logo

As with all of our products, Tidi-Patches® are stocked in highly visible orange – although specific colours are available upon request. We can also design and attach labels with your company name and logo on.



Compression Connectors

Easy Entry - Pre-insulated connectors
0.5 - 1.5mm² Red

The most comprehensive of small terminal ranges comprising of a variety of styles. The PVC terminal sleeve is tapered internally to allow ease of insertion of conductors and is rated at 80oC operating temperature.

Prysmian
Group



BICON

Compression Connectors - Rings (Red)

Compression Connectors Details		
Cable Size mm ²	Stud Size (mm ²)	Catalogue Number
0.5-1.5	3.0	BER3PAK
0.5-1.5	3.5	BER35PAK
0.5-1.5	4.0	BER4PAK
0.5-1.5	5.0	BER5PAK
0.5-1.5	6.0	BER6PAK
0.5-1.5	8.0	BER8PAK
0.5-1.5	10.0	BER10PAK

Prysmian
Group



BICON

Compression Connectors - Forks (Red)

Compression Connectors Details		
Cable Size mm ²	Stud Size (mm ²)	Catalogue Number
0.5-1.5	3.0	BER3FPAK
0.5-1.5	3.5	BER35FPAK
0.5-1.5	4.0	BER4FPAK
0.5-1.5	4.0	BER4FSPAK
0.5-1.5	5.0	BER5FPAK
0.5-1.5	6.0	BER6FPAK

Prysmian
Group



BICON

Compression Connectors - Pin (Red)

Compression Connectors Details		
Cable Size mm ²	Blade Length	Catalogue Number
0.5-1.5	12.0	BER10PPAK

Prysmian
Group



BICON

Compression Connectors - Blades (Red)

Compression Connectors Details		
Cable Size mm ²	Blade Length	Catalogue Number
0.5-1.5	9.0	BER10BPAK
0.5-1.5	14.6	BER13BPAK
0.5-1.5	18.5	BER17BPAK

Prysmian
Group



BICON

Compression Connectors - Hooks (Red)

Compression Connectors Details		
Cable Size mm ²	Blade Length	Catalogue Number
0.5-1.5	17.0	BER17HPAK

Prysmian
Group



BICON

Compression Connectors - Butt Splices (Red)

Compression Connectors Details	
Cable Size mm ²	Catalogue Number
0.5-1.5	BERSPAK

Prysmian
Group



BICON

BMR6GP3

Crimp Tool - Red/Blue/Yellow
REF NO: BMR6GP3

General purpose low cost ratchet handtool with three colour coded crimp positions. For use with Prysmian / BICON pre-insulated connectors.

Tool Details		
Area	Catalogue Number	Description
0.5-6mm ²	BMR6GP3	Pre-insulated

Prysmian
Group



BICON

Compression Connectors - Pin (Red)

Compression Connectors Details		
Cable Size mm ²	Blade Length	Catalogue Number
0.5-1.5	12.0	BER10PPAK

Prysmian
Group



BICON

Compression Connectors - Blades (Red)

Compression Connectors Details		
Cable Size mm ²	Blade Length	Catalogue Number
0.5-1.5	9.0	BER10BPAK
0.5-1.5	14.6	BER13BPAK
0.5-1.5	18.5	BER17BPAK

ELPRESS

GSA0760



GSA0760C



GSA0760 & GSA0760C

Miniforce Crimp Tool - Red/Blue/Yellow
Complete with calibration certificate

Certified Crimping Tool - For symmetrical crimping of Elpress pre-insulated terminals 0.5 - 6 mm². Locator to hold the terminal in the right position when crimping which simplifies the installation. Die calibration is easily performed with the gauge ESAQ0760. Die nests leave imprints on terminal insulation sleeve after crimp to show nest size and Elpress logotype for system identification.

Tool Details			
Area	Catalogue Number	Crimp Types	Dimensions
0.5-6mm ²	GSA0760	Oval, Symmetrical	220 x 72 mm
0.5-6mm ²	GSA0760C	Oval, Symmetrical	255 x 72 mm

Note: Suffix 'PAK' denotes bags of 100.

Compression Connectors

Easy Entry - Pre-insulated connectors
1.0 - 2.5mm² Blue

Prysmian
Group



BICON

Compression Connectors - Rings (Blue)

Compression Connectors Details		
Cable Size mm ²	Stud Size (mm ²)	Catalogue Number
1.0-2.5	3.0	BEB3PAK
1.0-2.5	3.5	BEB35PAK
1.0-2.5	4.0	BEB4PAK
1.0-2.5	5.0	BEB5PAK
1.0-2.5	6.0	BEB6PAK
1.0-2.5	8.0	BEB8PAK
1.0-2.5	10.0	BEB10PAK
1.0-2.5	12.0	BEB12PAK

Prysmian
Group



BICON

Compression Connectors - Forks (Blue)

Compression Connectors Details		
Cable Size mm ²	Stud Size (mm ²)	Catalogue Number
1.0-2.5	3.0	BEB3FPAK
1.0-2.5	3.5	BEB35FPAK
1.0-2.5	4.0	BEB4FPAK
1.0-2.5	4.0	BEB4FNPAK
1.0-2.5	4.0	BEB4FSPA
1.0-2.5	5.0	BEB5FPAK
1.0-2.5	3.5	BEB35FSPA
1.0-2.5	3.0	BEB3FFPAK
1.0-2.5	4.0	BEB4FFPAK

Prysmian
Group



BICON

Compression Connectors - Pin (Blue)

Compression Connectors Details		
Cable Size mm ²	Blade Length	Catalogue Number
1.0-2.5	12.0	BEB10PPAK

Prysmian
Group



BICON

Compression Connectors - Blades (Blue)

Compression Connectors Details		
Cable Size mm ²	Blade Length	Catalogue Number
1.0-2.5	9.0	BEB10BPAK
1.0-2.5	10.5	BEB10BNPAK
1.0-2.5	13.0	BEB13BPAK
1.0-2.5	18.5	BEB17BPAK

Prysmian
Group



BICON

Compression Connectors - Hooks (Blue)

Compression Connectors Details		
Cable Size mm ²	Blade Length	Catalogue Number
1.0-2.5	17.0	BEB17HPAK

Prysmian
Group



BICON

Compression Connectors - Butt Splices (Blue)

Compression Connectors Details	
Cable Size mm ²	Catalogue Number
1.0-2.5	BEB5PAK

Prysmian
Group



BICON

BMR6GP3

Crimp Tool - Red/Blue/Yellow

REF NO: BMR6GP3

General purpose low cost ratchet handtool with three colour coded crimp positions. For use with Prysmian / BICON pre-insulated connectors.

Tool Details		
Area	Catalogue Number	Description
0.5-6mm ²	BMR6GP3	Pre-insulated

ELPRESS

GSA0760



GSA0760C



GSA0760 & GSA0760C

Miniforce Crimp Tool - Red/Blue/Yellow
Complete with calibration certificate

Certified Crimping Tool - For symmetrical crimping of Elpress pre-insulated terminals 0.5 - 6 mm². Locator to hold the terminal in the right position when crimping which simplifies the installation. Die calibration is easily performed with the gauge ESAQ0760. Die nests leave imprints on terminal insulation sleeve after crimp to show nest size and Elpress logotype for system identification.

Tool Details			
Area	Catalogue Number	Crimp Types	Dimensions
0.5-6mm ²	GSA0760	Oval, Symmetrical	220 x 72 mm
0.5-6mm ²	GSA0760C	Oval, Symmetrical	255 x 72 mm

Note: Suffix 'PAK' denotes bags of 100.

Compression Connectors

Easy Entry - Pre-insulated connectors
4.0 - 6.0mm² Yellow

Prysmian
Group



BICON

Compression Connectors - Rings (Yellow)

Compression Connectors Details		
Cable Size mm ²	Stud Size (mm ²)	Catalogue Number
4.0-6.0	3.0	BEY3PAK
4.0-6.0	4.0	BEY4PAK
4.0-6.0	5.0	BEY5PAK
4.0-6.0	6.0	BEY6PAK
4.0-6.0	8.0	BEY8PAK
4.0-6.0	10.0	BEY10PAK
4.0-6.0	12.0	BEY12PAK

Prysmian
Group



BICON

Compression Connectors - Forks (Yellow)

Compression Connectors Details		
Cable Size mm ²	Stud Size (mm ²)	Catalogue Number
4.0-6.0	4.0	BEY4FPAK
4.0-6.0	5.0	BEY5FPAK
4.0-6.0	6.0	BEY6FPAK

Prysmian
Group



BICON

Compression Connectors - Pin (Yellow)

Compression Connectors Details		
Cable Size mm ²	Blade Length	Catalogue Number
4.0-6.0	14.0	BEY10PPAK

Prysmian
Group



BICON

Compression Connectors - Blades (Yellow)

Compression Connectors Details		
Cable Size mm ²	Blade Length	Catalogue Number
4.0-6.0	10.0	BEY10BPAK

Prysmian
Group



BICON

Compression Connectors - Butt Splices (Yellow)

Compression Connectors Details	
Cable Size mm ²	Catalogue Number
4.0-6.0	BEY5PAK

FREE Technical Advisory Service

Etech maintains a free technical advisory service.

Enquiries concerning this and all other products should be directed via the sales office:- sales@etechcomponents.com

Prysmian
Group



BICON

BMR6GP3

Crimp Tool - Red/Blue/Yellow

REF NO: BMR6GP3

General purpose low cost ratchet handtool with three colour coded crimp positions. For use with Prysmian / BICON pre-insulated connectors.

EIPRESS

GSA0760



GSA0760C



GSA0760 & GSA0760C

Miniforce Crimp Tool - Red/Blue/Yellow
Complete with calibration certificate

Certified Crimping Tool - For symmetrical crimping of Elpress pre-insulated terminals 0.5 - 6 mm². Locator to hold the terminal in the right position when crimping which simplifies the installation. Die calibration is easily performed with the gauge ESAQ0760. Die nests leave imprints on terminal insulation sleeve after crimp to show nest size and Elpress logotype for system identification.

Tool Details			
Area	Catalogue Number	Crimp Types	Dimensions
0.5-6mm ²	GSA0760	Oval, Symmetrical	220 x 72 mm
0.5-6mm ²	GSA0760C	Oval, Symmetrical	255 x 72 mm

**FOR TOOL
CALIBRATION | SERVICE | REPAIR
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**WE SUPPLY THE COMPLETE RANGE OF
PRYSMIAN / BICON COMPRESSION CONNECTORS!**

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e: sales@etechcomponents.com

Note: Suffix 'PAK' denotes bags of 100.

TOOL REPAIR & CALIBRATION



**SYSTEM
ELPRESS**



**AUTHORISED
SERVICE
PARTNER**

We offer a full
Servicing/Repair/Calibration
service of all mechanical
& hydraulic tooling.

Preventative Maintenance •

Repair •

Service •

Calibration •



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ELPRESS®

Leading Manufacturer of Quality Crimping Systems

Why Choose Elpress?



Universal KRF Copper Tube Terminals Range

One range suits all - No need to step up or down, use the same size lug as the cable



Crimp terminal range - Class 2, Class 5, Class 6, stranded, flexible & extra flexible upto 1000mm².



Tools for crimping Copper, Bi-metallics terminals & connectors 0.1mm²-1200mm²



Bi-metallics & Aluminium Terminals

Large sizes available



- Upto 1200mm² Aluminium terminals as standard.
- Upto 1200mm² Bi-metallic terminals as standard.

WE SUPPLY THE COMPLETE RANGE OF ELPRESS!
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C-Sleeves (Branch Connectors)

6-300mm²



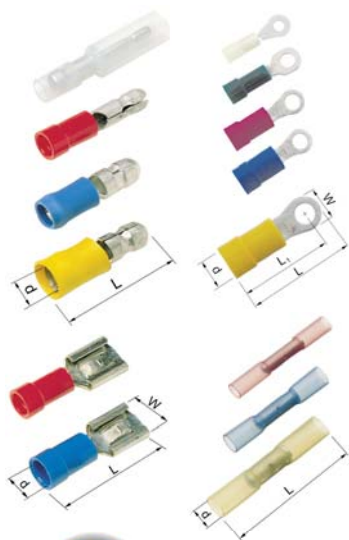
Certified Training Available

Key Points covered during training

- British Standards for Crimping (BS7609 & BS7727) and International Electrotechnical Commission Standards (IEC61238).
- Key components to a quality crimp connection.
- Inspection required before crimping, including identification, markings and equipment.
- Selection of the correct tooling and die combinations.
- Inspection and verification after crimping of a quality crimp using the 'N' dimension and the Elpress crimp gauges and markings.
- Tool maintenance, daily checks, service, repair and calibration.



HALOGEN FREE TERMINALS


ELPRESS
AUTHORIZED PARTNER

Do you comply to BS7609?



A Lug is A Lug?



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There are a lot of misconceptions when it comes to Crimping, Crimping standards and Best practices within the industry based on misinformation and lack of training. At E-Tech Components we focus on High Quality products and services, we differentiate ourselves with full technical support from our experienced sales team, design and specification work, on-site certified training across our range of products and disciplines, as well as our own in-house Tool Repair and Calibration facilities.


ELPRESS

AUTHORISED SERVICE PARTNER


SERVICE | REPAIR | CALIBRATION

Pre-Insulated Terminals 0.1-6mm²

LSOH/LSZH Low Smoke Zero Halogen Terminals

Elpress pre-insulated terminals - Halogen Free, Low Smoke Zero Halogen terminals. Ideal for use with LSF/LSOH cables in special environments such as, tunnels, underground, rail, metro, hospitals, public buildings and much more. Complies with IEC61238 & BS7609/BS7727.



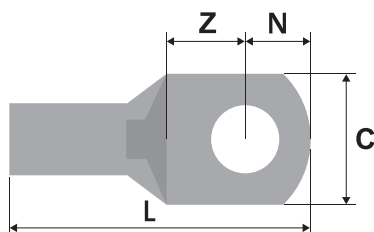
LSOH/LSZH LOW SMOKE ZERO HALOGEN TERMINALS

We are the sole distributor for Elpress in the UK


Prysmian
Group

Bicon

- One range of connectors, suitable for voltages up to 6.6kV for use on copper and tin plated copper conductors with stranded or flexible annealed construction.
- The BT range of connectors are manufactured from high purity oxygen free copper which are then electro tin plated to prevent corrosion; this makes them suitable for operating temperatures up to 150°C.
- Each terminal includes a sight hole for visual inspection of the conductor inserted.
- Each die set imprints the size of stranded conductor onto the connector to show that the correct tooling has been applied.
- A wide selection of single stud holes and straight splices are provided and other configurations; two hole and four hole variants are available on request. All connectors are installed with a single crimp except where otherwise stated.

Prysmian
Group

Bicon



G10TS Die Selection

Cable Cross Section mm ²	G10TS Dies
10	U10CHEX
16	U16CHEX
25	U25CHEX
35	U35CHEX
50	U50CHEX
70	U70CHEX
95	U95CHEX
120	U120CHEX
150	U150CHEX
185	U185CHEX
240	U240CHEX
300	U300CHEX
400	U400CHEX

G10TS Hydraulic Hand Tool Kit

With full set of dies 10-400mm²

REF NO: G10TS-KIT

This two-stage hydraulic tool delivers a compressive force of 11.5 tonnes with a quick ram advance. It incorporates a preset audible overload valve to ensure crimp reliability and will accept a wide range of interchangeable die sets. The body and handles of the tool are fully insulated.

Whats in the kit:

- G10TS Hydraulic Hand Tool,
- Full set of dies 10mm² to 400mm²,
- G10TS carry case.

Cable size and Connector Details - Tube Terminals

Conductor Size mm ²	Stud Size (mm)	Catalogue Number	C (mm)	L (mm)	Z (mm)	N (mm)
1.5-2.5	6	BT2C6	8.0	19.5	6.1	4.3
4.0-6.0	3.5/4	BT6C354	7.8	25.4	6.1	3.7
4.0-6.0	5	BT6C5	9.9	25.4	5.0	4.5
4.0-6.0	6	BT6C6	12.3	26.9	6.3	5.7
4.0-6.0	8	BT6C8	13.9	31.3	8.5	7.7
4.0-6.0	10	BT6C10	14.7	35.3	10.5	9.5
10	6	BT10C6	11.6	27.4	6.3	5.7
10	8	BT10C8	14.8	34.4	8.5	7.7
10	10	BT10C10	14.8	38.4	10.5	9.5
16	6	BT16C6	13.2	32.0	6.3	5.7
16	8	BT16C8	15.6	36.4	8.5	7.7
16	10	BT16C10	15.6	40.4	10.5	9.5
16	12	BT16C12	21.6	43.4	12.0	10.8
25	6	BT25C6	14.4	32.6	6.3	5.7
25	8	BT25C8	16.4	37.0	8.5	7.7
25	10	BT25C10	16.4	41.0	10.5	9.5
25	12	BT25C12	19.7	44.0	12.0	10.8
35	10	BT35C10	17.6	44.6	10.5	9.5
35	12	BT35C12	20.0	47.6	12.0	10.8
50	6	BT50C6	20.0	37.4	6.3	5.7
50	8	BT50C8	20.0	41.8	8.5	7.7
50	10	BT50C10	20.0	45.8	10.5	9.5
50	12	BT50C12	22.3	48.8	12.0	10.8
70	8	BT70C8	24.3	49.9	8.5	7.7
70	10	BT70C10	24.3	53.9	10.5	9.5
70	12	BT70C12	24.3	56.9	12.0	10.8
95	8	BT95C8	26.8	51.8	8.5	7.7
95	10	BT95C10	26.8	55.8	10.5	9.5
95	12	BT95C12	26.8	58.8	12.0	10.8
120	10	BT120C10	29.5	56.7	10.5	9.5
120	12	BT120C12	29.5	59.7	12.0	10.8
120	16	BT120C16	29.5	65.7	15.0	13.5
150	10	BT150C10	33.0	65.2	10.5	9.5
150	12	BT150C12	33.0	68.2	12.0	10.8
150	16	BT150C16	33.0	74.2	15.0	13.5
185	10	BT185C10	36.1	72.7	10.5	9.5
185	12	BT185C12	36.1	75.7	12.0	10.8
185	16	BT185C16	36.1	81.7	15.0	13.5
240	10	BT240C10	41.9	80.5	10.5	9.5
240	12	BT240C12	41.9	83.5	12.0	10.8
240	16	BT240C16	41.9	89.5	15.0	13.5
240	20	BT240C20	41.9	96.5	18.5	16.7
300	12	BT300C12	46.0	88.0	12.0	10.8
300	16	BT300C16	46.0	94.0	15.0	13.5
300	20	BT300C20	46.0	101.0	18.5	16.7
400	16	BT400C16	51.6	99.0	15.0	13.5
400	20	BT400C20	51.6	106.0	18.5	16.7
500	16	BT500C16	56.2	101.0	15.0	13.5
500	20	BT500C20	56.2	120	24	24
630	16	BT630C16	65.0	108.5	15.0	13.5
630	20	BT630C20	65.0	115.5	18.5	16.7
800	20	BT800C20	70.0	127.4	18.5	16.7

Prysmian
Group

Bicon

Copper Butt Splices

1-800mm² Un-insulated Copper Tube Terminals Splices (Prefix BT_)

REF NO: SEE TABLE

- One range of connectors, suitable for voltages up to 6.6kV for use on copper and tin plated copper conductors with stranded or flexible annealed construction.
- The BT range of connectors are manufactured from high purity oxygen free copper which are then electro tin plated to prevent corrosion; this makes them suitable for operating temperatures up to 150°C.
- Each terminal includes a sight hole for visual inspection of the conductor inserted.
- The terminals can be installed with indent or hexagonal compression systems up to 400mm² on stranded conductor. Above 400mm² or on flexible conductors indent compression is required.
- Each die set imprints the size of stranded conductor onto the connector to show that the correct tooling has been applied.
- A wide selection of single stud holes and straight splices are provided and other configurations; two hole and four hole variants are available on request. All connectors are installed with a single crimp except where otherwise stated.
- Tube terminals and splices and the associated Crimp Die reference tables can be seen on the following pages.

Prysmian
Group

Bicon



G10TS Die Selection	
Cable Cross Section mm ²	G10TS Dies
10	U10CHEX
16	U16CHEX
25	U25CHEX
35	U35CHEX
50	U50CHEX
70	U70CHEX
95	U95CHEX
120	U120CHEX
150	U150CHEX
185	U185CHEX
240	U240CHEX
300	U300CHEX
400	U400CHEX

G10TS Hydraulic Hand Tool Kit

With full set of dies 10-400mm²

REF NO: G10TS-KIT

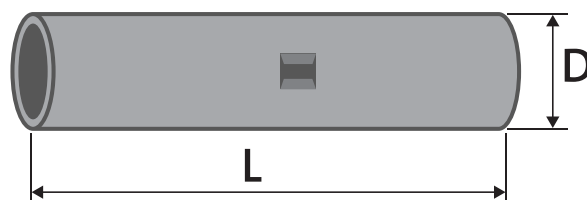
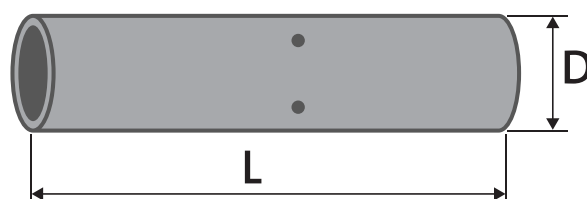
This two-stage hydraulic tool delivers a compressive force of 11.5 tonnes with a quick ram advance. It incorporates a preset audible overload valve to ensure crimp reliability and will accept a wide range of interchangeable die sets. The body and handles of the tool are fully insulated.

Whats in the kit:

- G10TS Hydraulic Hand Tool,
- Full set of dies 10mm² to 400mm²,
- G10TS carry case.

Cable size and Connector Details - Butt Splices

Conductor Size mm ²	Catalogue Number	L (mm)	D (mm)
1.5-2.5	BT2CS	16.1	4.0
4.0-6.0	BT6CS	19.3	5.4
10	BT10CS	26.2	6.9
16	BT16CS	29.4	7.9
25	BT25CS	29.4	9.5
35	BT35CS	36.5	11.7
50	BT50CS	36.5	13.0
70	BT70CS	46.0	16.1
95	BT95CS	46.8	17.7
120	BT120CS	50.0	19.6
150	BT150CS	74.0	22.5
185	BT185CS	63.5	24.2
240	BT240CS	73.0	28.6
300	BT300CS	98.0	31.1
400	BT400CS	85.7	35.0
500	BT500CS	98.0	38.1
630	BT630CS	104.8	44.1
800	BT800CS	114.3	46.7

Design for sizes up to 120mm²Design for sizes 150mm² to 800mm²

Special Solutions & Customer Specials Available!



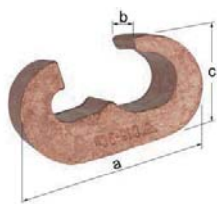
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e: sales@etechcomponents.com



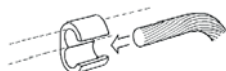
C Sleeves

Branch Connectors 6-300mm²

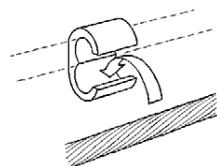
REF NO: SEE TABLE



The patented C-Sleeve
C89 tin plated.



Side Feed.



Front Feed.

• Data: electrolytic copper.

• For connecting and branching of earth conductors, in some cases two adjacent compressions are necessary.

• C89, patented, tin plated.

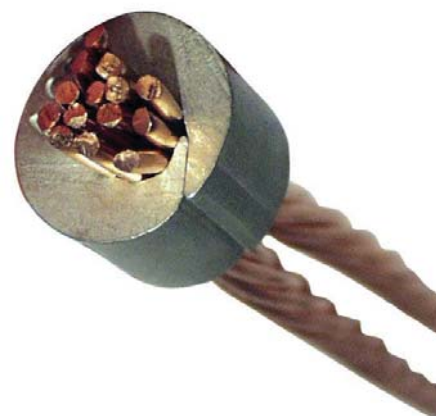
Eipress logotype is included in the marking. On the "reverse side" the C-sleeve is marked with the applicable wire area ranges.

Branch Connector Details - C Sleeves

Catalogue Number	Side Feed	Front Feed	mm a	b	c	Qty	Die id-no.
C4	10-6/10-6	10/6.0	13,0	12,0	8,0	100	4
C5	16-10/16-10	10/16-10	16	15	10	100	5
C6	25/16/25-16 25/10	16/25-16	22	16	12	100	6
C89	25-50/25-50 16-50/35-50	25-50/25-35 16-50/35	30	18	16/15,4	50	8-9.0
C11-8	70-50/35-25	50/35-25	31	23	19	50	11
C11-9	70-50/50-35	50/50-35	31	23	19	50	11
C11	70-50/70-50	50/70-50	31	23	19	50	11
C13-8	95-70/35-25	70/35-25	35	25	22	50	13
C13-9	95-70/50-35	70/50-35	35	25	22	50	13
C13-11	95-70/70-50	70/70-50	35	25	22	50	13
C13	96-70/95-70	70/95-70	35	25	22	50	13
C15-8	120-95/35-25	95/35-25	41	30	26	25	15
C15-9	120-95/50-35	95/50-35	41	30	26	25	15
C15-11	120-95/70-50	95/70-50	41	30	26	25	15
C15-13	120-95/95-70	95/95-70	41	30	26	25	15
C15	120-95/120-95	95/95	41	30	26	25	15
C16-9	150-120/50-35	150-120/50-35	53	35	30	10	16
C16-13	150-120/95-70	150-120/95-70	53	35	30	10	16
C16	150-120/150-120	150-120/150-120	53	35	30	10	16
C18-8	185-150/35	185-150/35	55	40	34	10	18
C18-9	185-150/50	185-150/50	55	40	34	10	18
C18-11	185-150/70	185-150/70	55	40	34	10	18
C18-13	185-150/95	185-150/95	55	40	34	10	18
C18-15	185-150/120	185-150/120	55	40	34	10	18
C18-16	185-150/150	185-150/150	55	40	34	10	18
C18	185/185	185/185	60	40	34	10	18
C21-8	240/35	240/35	55	40	34	10	18
C21-9	240/50	240/50	55	40	34	10	18
C21-11	240/70	240/70	55	40	34	10	18
C21-13	240/95	240/95	55	40	34	10	18
C21-15	240/120	240/120	55	40	34	10	18
C21-16	240/150	240/150	55	41	34	10	18
C21-18	240/185	240/185	70	40	40	10	21
C21	240/240	240/240	70	40	40	10	21
C23-16	300/150-120	300/150-120	70	40	40	10	21
C23	300/300	300/300	70	40	40	10	21

Also available:

- Special sizes upto 400mm²,
- Tin plated.

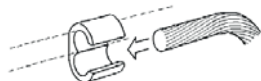
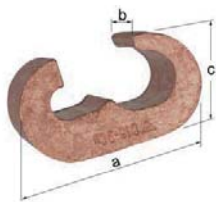




C Sleeves

Branch Connectors 6-300mm²

REF NO: SEE TABLE



Side Feed.

Application table for C-sleeves (side feed only)

Application table for C-Sleeves (side feed only)						
Through conductor, mm ²	Branch conductor, mm ²					
	6	10	16	25	35	50
6	C4	C4				
10	C4	C4/C5	C5			
16		C5	C6	C6		
25		C6	C6	C6/C89	C89	
35			C89	C89	C89	C89
50			C89	C89	C89	C89
50				C11-8	C11-8/C11-9	C11-9/C11
70				C11-8	C11-8/C11-9	C11-9/C11
70				C13-8	C13-8	C13-11
95						C13-11
95				C15-8	C15-8/C15-9	C15-9/C15-11
120				C15-8	C15-8/C15-9	C15-9/C15-11
120						C16-9
150					C16-9	C16-9
150					C18-9	
185					C18-8	C18-9
240					C21-8	C21-9
300						

Application table for C-Sleeves (side feed only)							
Through conductor, mm ²	Branch conductor, mm ²						
	70	95	120	150	185	240	300
6							
10							
16							
25							
35							
35							
50							
50	C11						
70	C11						
70	C13-11/C13	C13					
95	C13-11/C13	C13					
95	C15-11/C15-13	C15-3/C15	C15				
120	C15-11/C15-13	C15-13/C15	C15				
120	C16-13	C16-13	C16	C16			
150	C16-13	C16-13	C16	C16			
150	C18-11	C18-13	C18-15	C18-16			
185	C18-11	C18-13	C18-15	C18-16	C18		
240	C21-11	C21-13	C21-15	C21-16	C21-18	C21	
300				C23-16			C23

Note

- Open choice is marked with slash "/"
- When choosing between e.g. C11-9 and C11, use primarily C11
- The smaller sleeve is preferred, e.g. C8 in stead of C9, etc.



Steel Wire Armoured S.W.A Cable Stripper

REF NO: SACS_Tool

Preparing SWA Cable for glanding off.

The SACS tool is a revolutionary new tool that can be used on all concentric type cables, copper pipe and plastic conduit. It will cut both circumferentially and longitudinally with less effort and more accurately than present methods. Its compact and ergonomic design enables the user to terminate cables easier in confined spaces and far more safely. Made from light weight aluminium and precision engineered steel parts this tool is built to withstand repeated usage.

Size	H: 140mm W: 56mm D: 85mm
Weight	400g
Material	Steel and aluminium
Cable Size	3 core 2.5 to 3 core 70
Application	Armoured, non-armoured, copper/plastic pipe
Cutting Depth	Maximum depth 3mm
Blade	Carbon-alloy steel
Cut Directions	Circumferentially / Longitudinal

For more info visit: www.etechcomponents.com/suppliers/sacs-tool

Complete 5-step process of using the SACS Tool. Blade cut depth will vary according to cable size, progressive advancement is best.



STEP 1:
ROTARY CUT



STEP 2:
LONGITUDINAL CUT



STEP 3:
REMOVE OUTER SHEATH



STEP 4:
ROTARY CUT ON INNER
SHEATH



STEP 5:
LONGITUDINAL CUT AND REMOVAL
OF SECONDARY SHEATH



ODEN Cable Stripper

REF NO: ODEN

Stripping of the outer layer on signal, telephone, instrument, data cables. Precise setting for the different insulations is easily made by means of the nine position setting wheel. Stripping: cables Ø 2.5 to 11 mm with up to 1.0 mm thick insulations. Strips the outer insulation on most multi conductor and optical cables up to Ø 11 mm. Spare blades available

Tool Details			
Range	Catalogue Number	Weight kg	Dimensions
ø2.5-11mm	ODEN	0.028	91x40x19mm



EMBLA Cable Stripping

REF NO: SEE TABLE

Embla is available in 3 versions:

- EMBLA S - With exchangeable knife cassette, straight blades, for PVC insulations 0.02-10 mm² (AWG 34-8)
- EMBLA V - With exchangeable knife cassette, V-shaped blades, for harder insulations 0.1-4 mm² (AWG 28-12)
- EMBLA 16 - With exchangeable knife cassette, curved blades, for PVC insulations 4-16 mm² (AWG 12-6)

Tool Details				
AWG	Range	Catalogue Number	Weight kg	Dimensions
34-8	0.02-10mm ²	EMBLA S	0.136	191x123x20mm
28-12	0.1-4mm ²	EMBLA V	0.136	191x123x20mm
12-16	4-16mm ²	EMBLA 16	0.136	191x123x20mm



HKS34 Cable Cutter

REF NO: HKS34

Cuts normal types of Cu and Al cables up to Ø 34 mm. Cuts Al-alloyed AC overhead line conductors up to 241 mm² (not ACSR). Supplied in a robust textile carry bag. Not for steel wires or steel wire armoured cables.

Tool Details			
Range	Catalogue Number	Weight kg	Dimensions
ø34mm	HKS34	0.92	250mm



* Note! The cutting capacity of any cutting tool may vary due to conductor design, insulation thickness, hardness of materials etc.



CT20 Cable Cutter

REF NO: CT20

Cuts Cu and Al cables up to outer Ø 20 mm. Not designed to cut steel. Relatively small and handy. Hardened cutter edges of forged steel. The special cutter edge designs gives a clean cut surface with low distortion

Tool Details			
Range	Catalogue Number	Weight kg	Dimensions
ø20mm	CT20	0.44	240mm



TOR Stripping Tool for LV Cables

REF NO: TOR

Two exchangeable hooks for covering the wide diameter range. Locked positions for cutting around and along the cable as well as in a spiral. The cutting can be made on cable outer diameters from 4.5 to 40 mm with. Insulation thickness up to 4.5 mm (adjustable knife). Spare blades available and may be stored in an integrated compartment in the handle

Tool Details			
Range	Catalogue Number	Weight kg	Dimensions
ø4.5-40mm	TOR	0.116	150x42x31mm (small) 167x52x31mm (big)



HKS50

Cutting tool for Cu/Al and steel cable with exchangeable cutting blades. HKS50 is delivered with universal blade UFE1 for Al/Cu, ACSR, Flexibel steel wire and anchoring cable. Supplied in a robust textile bag with instructions for use and a cleaning comb. One hand operation. Scissor movement. Change blades fast and easy with release of two screws. Clear marking of usage on the blades. Reliable and well proven ratchet drive.

Tool Details			
Range	Catalogue Number	Weight kg	Dimensions
ø50mm	HKS50	1.4	230mm

Blades for HKS50		
Range	Catalogue Number	Description
ø50 mm	UFE2	For Cu/Al, flex. steel wire, INOX, ACSR, screws, anchoring cable, piano wires and catenary cable.
ø50 mm	UFE1	For Cu/Al, flex. steel wire, INOX, ACSR, screws, anchoring cable and catenary cable.
ø30 mm	UFEB	For Cu/Al, flex. steel wire, ACSR and main application are for cutting data/signal cable.
ø50 mm	UFE	For Cu/Al, flex. steel wire, ACSR.
ø50 mm	UCUAL	For Cu/Al cable, clean cut and appropriate for most flexible cables. Does not cut steel.

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Bicon

Sheath Stripping Pliers

Cable Stripping

REF NO: SEE TABLE

These pliers remove plastic, rubber, thin foil and soft metal sheaths. Fixed cutting blade depth. Incorporates linear and axial cutting action with sheath removal end blades. Precision tool in light cast aluminium. Cutting blades run on smooth action bearing for ease of use. Spare blades available for all pliers.

Tool Details	
Catalogue Number	Description
8YR0-PG0FP	Suitable for FP200
8YR0-PG0	5 - 17mm Dia
8YR0-PG1	8 - 21mm Dia
8YR0-PG2	21 - 35mm Dia
8YR0-PG3	26 - 52mm Dia
8YR0-PG4	45 - 75mm Dia
8YR0-PG5	65 - 95mm Dia
8YR0-PG6	80 - 125mm Dia

Prysmian
Group

Bicon

Screen Edge Lifter

Cable Stripping

REF NO: 8YR0-DSP

Used to catch the peelable semi-conductor

Tool Details	
Catalogue Number	Description
8YR0-DSP	Screen Edge Lifter

Prysmian
Group

Bicon

Screen Stripping Tool

Cable Stripping

REF NO: SEE TABLE

This tool removes the bonded semi-conductor. Robust design. Adjustable handle for comfort. Lockable blade depth. Spare blades available.

Tool Details	
Catalogue Number	Description
8YR0-ASC40R1	14 - 40mm Dia
8YR0-ASC40R2	38 - 60mm Dia
8YR0-LHS3	60 - 80mm Dia
8YR0-LHS4	80 - 110mm Dia
8YR0-LHS5	100 - 140mm Dia

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Group

Bicon

Sheath Spreaders

Cable Stripping

REF NO: SEE TABLE

Used to spread the sheath to facilitate the passing of the shield connection.

Tool Details	
Catalogue Number	Description
8YR0-EV50-95	50/95mm ²
8YR0-EV150-240	150/240mm ²

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Group

Bicon

Adjustable Insulation Stripping Tool

Cable Stripping

REF NO: SEE TABLE

Used to cut plastic and elastometric insulation from high and medium voltage single-core cables and low voltage three-core cable. Robust design. Locking blade depth. Handle detaches to aid storage. Spare blades available.

Tool Details	
Catalogue Number	Description
8YR0-LH1	14 - 40mm Dia
8YR0-LH2	38 - 60mm Dia
8YR0-LH3	60 - 80mm Dia
8YR0-LH4	80 - 100mm Dia
8YR0-LH5	100 - 140mm Dia
8YR0-BRMCD1	LH1 c/w depth gauge 14 - 40 Dia

Prysmian
Group

Bicon

Adjustable Screen Scoring Tool

Cable Stripping

REF NO: SEE TABLE

This tool removes the peelable semi-conductor. Robust design. Adjustable handle for comfort. Locking stop gauge for accurate lengths. Spare blades available.

Tool Details	
Catalogue Number	Description
8YR0-LHM1R	14 - 40mm Dia
8YR0-LHM2R	38 - 60mm Dia

Prysmian
Group

Bicon

Fixed Blade Scoring Tool

Cable Stripping

REF NO: SEE TABLE

Small solid construction. Spare blades available.

Tool Details	
Catalogue Number	Description
TT2352-1	0.4mm (0.015") Depth
TT2352-2	0.6mm (0.025") Depth
TT2352-3	1.5mm (0.06") Depth

WE SUPPLY A WIDE RANGE OF CABLE
CUTTING & STRIPPING TOOLS!

NEED AN ITEM NOT LISTED?

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e: sales@etechcomponents.com

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BICON

Insulation Chamfering Tool**Cable Stripping**

REF NO: SEE TABLE

This tool allows cylinder and tapered stripping of high and very high voltage single-core dry cables. The insulation cutting angle is fully adjustable by means of a graduated rule. Supplied in wooden box.

Tool Details		
Catalogue Number	Description	
8YR0-NO2	38 - 60mm Dia (LHC2)	
8YR0-NO3	60 - 80mm Dia (LHC3)	
8YR0-NO4	95 - 110mm Dia (LHC4)	
8YR0-NO5	100 - 140mm Dia (LHC5)	

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BICON

Outer Sheath Roller Pliers**Cable Stripping**

REF NO: 8YR0-ALROCAN

This tool is used to reposition the cable shield ahead of ligature connection.

Tool Details		
Catalogue Number	Description	
8YR0-ALROCAN	11kV 50-240mm	

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BICON

Adjustable Tapering Tool**Cable Stripping**

REF NO: 8YR0-LHA

This tool produces a taper, only on the insulation.

Tool Details		
Catalogue Number	Description	
8YR0-LHA		

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BICON

Scraper Tool**Cable Stripping**

REF NO: SEE TABLE

This tool removes marks on the semi-conductor.

Tool Details		
Catalogue Number	Description	
8YR0-SCRAPER	Adjustable (Aluminium)	
8YR0-SCRAPER-B	Fixed (Phosphor Bronze)	

Prysmian
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BICON

E10C Cutter Head**Range 0 - 100mm Diameter**

REF NO: E10C

This cutter head can be used with any BICON hydraulic pump to cut aluminium or copper cables up to 100mm in diameter and cross section areas not exceeding 1200mm². Replacement blades available on request.

Tool Details			
Range	Catalogue Number	Weight kg	Dimensions
0-100mm Dia,	E10C	13.3	570x250x78mm

EIPRESS

**PCT54C****Battery Cable Cutter**

REF NO: PCT54C

The tool is designed to cut conductors easily and safely at the touch of a button. Battery Operated Cutting Tool PCT54C has a Li-Ion battery with a long run time and short charging time, which makes working more efficient. The precision-ground blade on the cable cutter ensures a longer useful life and an optimum cut.

Tool Details	
Max cutting diameter 54 mm, which for the following cable types is the equivalent of:	
1 kV Cu type FKKJ 4 x 95 mm ²	
Al type AKKJ 4 x 240 mm ²	
Al type SE-N1XV 4G x 240 mm ²	
12 kV Al type AXLJ 3 x 150 mm ²	

EIPRESS

**FBS1722****Cable Stripping**

REF NO: SEE TABLE

FBS 1722 includes the actual tool, 100 g silicone paste and an instruction, all in a quality plastic carry box

- Stripping can be made from Ø 10 mm up to Ø 50 mm, approximately corresponding to maximum sizes 800 mm² at 12kV, 630 mm² at 24 kV and 500mm² at 36 kV
- Cutting depth is easily set between 0 and 1.2 mm in steps of 0.1 mm
- Stripping can be made down to 25 mm from the shield edge and the XLPE surface produced is very smooth all the way
- The HRC 55 hardness cutting blade is specially ground to specific shape and easy to replace when needed

Tool Details			
Range	Catalogue Number	Weight kg	Dimensions
ø10-50mm	FBS1722	0.80	235x200x55mm
	FBS1722RS (spare blade)	-	
	FBS1722SP (Siliconpaste)	0.10	

EIPRESS

**FBS1723****Cable Stripper**

REF NO: SEE TABLE

FBS1723 includes the actual tool, 100 g silicone paste and an instruction, all in a quality plastic carry box

- The tool is easy to use - the tool rotates with the handle.
- Stripping can be made from Ø 15 mm up to Ø 52 mm, approximately corresponding to maximum sizes 50-1000 mm² at 12kV, 25-1000 mm² at 24 kV, 630 mm² at 36 kV and 500 mm² at 52 kV
- Cutting depth is easily set between 0 and 15 mm
- Unlimited stripping length
- Adjustable feed in 5 positions
- Blade available as spare part
- The HRC 55 hardness cutting blade is specially ground to specific shape and easy to replace when needed

Tool Details			
Range	Catalogue Number	Weight kg	Dimensions
ø15-52mm	FBS1723	1.0	275x220x65mm
	FBS1723RS (spare blade)	-	
	FBS1723SP (Siliconpaste)	0.10	

MDSN metal dowel fastening nail



NO ANCHORS. NO SCREWS. NO TOOLS. NO EFFORT. NO BRAINER.



Schnabl have the solution to the latest electrical wiring regulations. Amendment 3:2015 (521.200) "Wiring Systems in Escape Routes"

The Schnabl MDSN metal dowel fastening nail is fully compliant with the new requirements.

Simply drill 6 mm diameter, push to fix, no other tools needed, when used with existing products such as brackets & metal tie wraps gives a versatile solution.

- 60 % saving on current fix times
- Made from stainless steel
- Will hold 4 kgs up to 120 min at 1030 °C per fixing point

Utilising the special design of the expansion element when under tension, the fastening elements are securely retained in place and will thus withstand any working load seen in normal conditions.

Drill. Fasten. Finish!
For the assembly no anchor and no screw is necessary.

You will successfully fasten brackets and metal tie wraps "at the push of a thumb".





Panduit® Pan-Steel® Stainless Steel Systems

Meet and exceed the most stringent industry standards

Panduit harsh environment solutions include the Pan-Steel® System, power and grounding connectors, identification and safety, abrasion protection, heat shrink, wiring duct, industrial ethernet, and cable tie solutions. These solutions feature Panduit world-class quality, rigorously tested to deliver the highest performance, and lowest total cost of ownership.

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The benefits of Schnabl clips:

- Multiple installation capacity: simply drill and fasten
- Only one drill diameter (Ø 6 mm) for all Schnabl clips
- Fastening elements for conduits and cables, recessed and dry wall
- Fastening on insulated ceilings and walls
- Torque forces up to 40 kg
- No rusting parts
- Temperature range from - 20 to + 85 °C
- UV-stabilised and halogen-free
- 960 °C filament also tested if desired
- Tested by the 'Institut für Kunststofftechnik'
- KEMA tested
- TÜV tested



**NO ANCHORS. NO SCREWS.
NO TOOLS. NO EFFORT.
NO BRAINER.**

Innovative electrical installation fixings that save you time and money. Why use anything else?



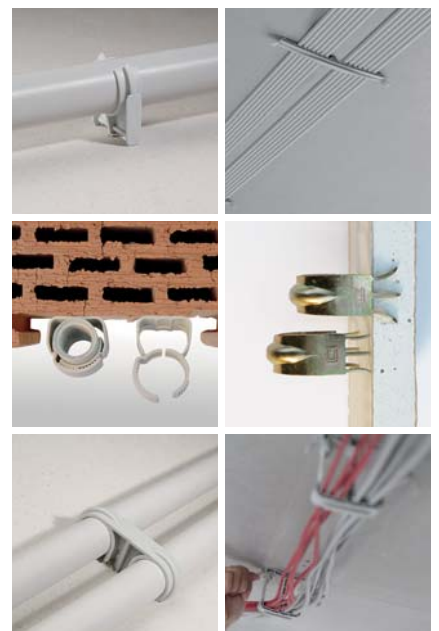
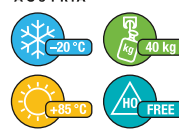
Drill. Fasten. Finish!

Save up to 60% of your working time

The principle

The basic principle of Schnabl fastening technology is that the fastening elements can be inserted **without a tool and with very little effort** into a 6 mm drill hole. Utilising the special – eccentric – design of the expansion element when under tension, the fastening elements are securely retained in place and will thus withstand any working load seen in normal conditions.

Schnabl products can withstand torque forces up to 40 kg. The expansion elements create a friction connection with the borehole wall thereby enhancing the retention force with an increase in the load.



Schnabl Fastening Systems

for plasterboard / dry wall



Drill.



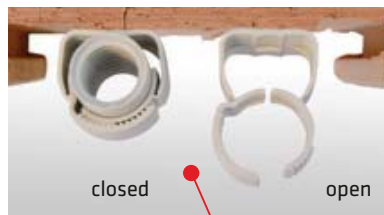
Fasten.



Finish!

USA: Versatile! Recessed Clamp Automatic

The USA automatically closes around the laid pipe. This clip is available in three ranges, but all are suitable for holding two pipe dimensions. The USA can easily be opened without a tool.



closed

open

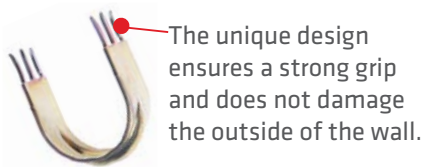
A quick push is enough to affix the clamp to the pipe.



The 3 sizes for drywall cover sizes from 16-20mm, 20-25mm & 25-32mm conduit. Suitable for dry walls upto 12.5mm thick, the outer side of the wall remains undamaged.

CF: You just need a hammer!

The C-Fix clip enables piping to be mounted to dry walls quickly and easily without drilling. The flexible installation pipe is inserted into the CF, the CF is hit with a hammer – done!



The unique design ensures a strong grip and does not damage the outside of the wall.

ESD: Quickly fix cables

For laying into walls up to 12.5mm thick, the outer side of the wall remains undamaged.



A cable tie and an ESD are sufficient to fix a bundle of cables. Cable tie feedthrough up to max. 4.5mm, cable ties not included.

SBA: The practical mounting aids!

With the SBA Schnabl-drill stop you easily can set the drill depth.

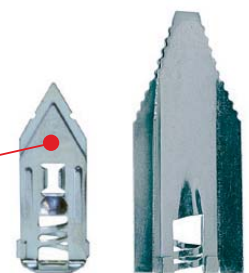


PD: Easy to install!

Hit the PD with a hammer into the plaster or Heraklith wall. By screwing in the screw, the anchor tightens into the braced wall and thus withstands tensile forces of 40-50 kg.

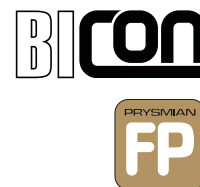


After removal of the PD Board anchor only a tiny slot remains in the wall.



FRZHMPJ - Low Voltage Fire Performance Cable Joint Kits

(Excludes Connectors)



REF NO: SEE TABLE

Straight joints for Fire Performance cables with copper conductors from 4mm² to 400 mm²

- Low Hazard Isocyanate free JEM resin
- Twin Pack mixing in clear laminate sachets
- Extremely low viscosity combined with enhanced adhesion
- Rigid glass reinforced phenolic joint shells which are both fire retardant and LSOH
- Slim-line design for use with compression connectors
- Meet the Fire resistance requirements of BS6387 categories C, W & Z

**LOW HAZARD
ISOCYANATE FREE
JEM RESIN**

Properties

Prysmian's Fire Resistant Joints are tested to BS6387 categories C, W & Z		Performance		Symbol	FR Joint	Shell Dimensions			
Resistance to Fire		650°C for 3 hours		A	PASS	Joint Reference	A	B	C
The joint is tested by exposure to gas burner flames while passing a current at its rated voltage		750°C for 3 hours		B	PASS	FRZHMPJ2	300mm	85mm	70mm
		950°C for 3 hours		C	PASS	FRZHMPJ3	405mm	100mm	80mm
Resistance to Fire with Water Spray		650°C		W	PASS	FRZHMPJ4	430mm	100mm	90mm
The joint is exposed to flames at 650°C for 15 minutes whilst passing a current of 250MA at a rated voltage and then the spray is turned on to give exposure to both fire and water for a further 15 minutes						FRZHMPJ5	560mm	160mm	130mm
Resistance to Fire with Mechanical Shock		950°C		Z	PASS	FRZHMPJ6	740mm	180mm	145mm
The joint is mounted on a back panel and exposed to flames whilst the bedding panel is struck with a solid steel bar every 30 seconds for 15 minutes						FRZHMPJ7	870mm	190mm	145mm
						FRZHMPJ8	1015mm	205mm	180mm

Joint selection for 2, 3 and 4 core cables

Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.	Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
4mm ²	FRZHMPJ2	FRZHMPJ2	FRZHMPJ2	BE-YS	70mm ²	FRZHMPJ4	FRZHMPJ5	FRZHMPJ5	BT70CS
6mm ²	FRZHMPJ2	FRZHMPJ2	FRZHMPJ2	BTCS	95mm ²	FRZHMPJ4	FRZHMPJ5	FRZHMPJ5	BT95CS
10mm ²	FRZHMPJ2	FRZHMPJ2	FRZHMPJ2	BT10CS	120mm ²	FRZHMPJ5	FRZHMPJ6	FRZHMPJ6	BT120CS
16mm ²	FRZHMPJ2	FRZHMPJ3	FRZHMPJ3	BT16CS	150mm ²	FRZHMPJ5	FRZHMPJ6	FRZHMPJ6	BT150CS
25mm ²	FRZHMPJ2	FRZHMPJ3	FRZHMPJ4	BT25CS	185mm ²	FRZHMPJ5	FRZHMPJ6	FRZHMPJ6	BT185CS
35mm ²	FRZHMPJ3	FRZHMPJ4	FRZHMPJ4	BT35CS	240mm ²	FRZHMPJ6	FRZHMPJ7	FRZHMPJ7	BT240CS
50mm ²	FRZHMPJ3	FRZHMPJ5	FRZHMPJ5	BT50CS	300mm ²	FRZHMPJ6	FRZHMPJ7	FRZHMPJ7	BT300CS
					*400mm ²	-	-	FRZHMPJ8	BT400CS



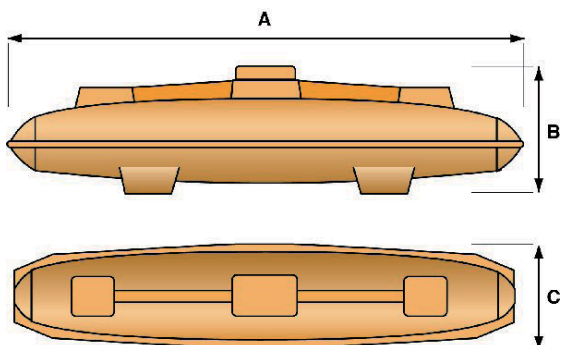
Note: ZHMB joints are provided without connectors, compression & mechanical connectors can be provided separately.

*Joint does not accommodate crossed core (phase to phase) jointing.

Prysmian Group JEM CE

Technical Information:

- Low Voltage Straight Joints for 600/1000 Volt fire performance insulated SWA cables with copper conductors.
- Tested and approved to BS EN 50393 & ENA ER C81
- Fire tests on complete joints to BS 6387 categories C, W and Z
- Includes constant force spring Armour Bonds.
- JEM Resin
- Easier mixing in "Twin Pack" totally enclosed mixing in a clear laminate sachet.
- Extremely low mix viscosity allows void free joint filling.
- JEM Resin is insensitive to moisture and will cure under water.
- Enhanced adhesion to XLPE, MDPE, PVC & lead.
- High flash point, non-flammable liquid - No special storage or transport requirements.
- Not classified as irritating to the skin or eyes.
- Does not cause skin sensitization.





**LOW HAZARD
ISOCYANATE FREE
JEM RESIN**

MPJEM - Low Voltage Industrial Cable Joint Kits (Excludes Connectors)

REF NO: SEE TABLE

Straight joints for LV Cables with copper conductors from 1.5mm² to 400mm².

- Low Hazard Isocyanate free JEM resin
- Twin Pack mixing in clear laminate sachets
- Extremely low viscosity combined with enhanced adhesion
- Transparent injection moulded polypropylene shells up to size 4 and vacuum formed clear HIPS for the larger sizes.
- Slim-line design for use with compression connectors

Shell Dimensions				
Joint Reference	Min. box entry Ø 'A'	Min. box entry Ø 'B'	Box length 'C'	Internal Ø 'D'
MPJEMJ1	12mm	26mm	185mm	35mm
MPJEMJ2	14mm	32mm	245mm	48mm
MPJEMJ3	23mm	39mm	325mm	52mm
MPJEMJ4	28mm	50mm	375mm	68mm
MPJEMJ5	32mm	58mm	520mm	102mm
MPJEMJ6	45mm	75mm	705mm	124mm
MPJEMJ7	40mm	89mm	862mm	140mm
MPJEMJ8	57mm	95mm	900mm	150mm

Joint selection for 2, 3 and 4 core cables

Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
1.5mm ²	MPJEMJ1	MPJEMJ1	MPJEMJ1	BERS
2.5mm ²	MPJEMJ1	MPJEMJ1	MPJEMJ1	BEBS
4mm ²	MPJEMJ1	MPJEMJ1	MPJEMJ1	BEYS/BT6CS
6mm ²	MPJEMJ1	MPJEMJ2	MPJEMJ2	BT6CS
10mm ²	MPJEMJ2	MPJEMJ2	MPJEMJ2	BT10CS
16mm ²	MPJEMJ2	MPJEMJ3	MPJEMJ3	BT16CS
25mm ²	MPJEMJ3	MPJEMJ3	MPJEMJ3	BT25CS
35mm ²	MPJEMJ3	MPJEMJ4	MPJEMJ4	BT35CS

Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
50mm ²	MPJEMJ4	MPJEMJ4	MPJEMJ4	BT50CS
70mm ²	MPJEMJ4	MPJEMJ4	MPJEMJ5	BT70CS
95mm ²	MPJEMJ4	MPJEMJ5	MPJEMJ5	BT95CS
120mm ²	MPJEMJ5	MPJEMJ5	MPJEMJ6	BT120CS
150mm ²	MPJEMJ5	MPJEMJ6	MPJEMJ6	BT150CS
185mm ²	MPJEMJ5	MPJEMJ6	MPJEMJ6	BT185CS
240mm ²	MPJEMJ6	MPJEMJ7	MPJEMJ7	BT240CS
300mm ²	MPJEMJ6	MPJEMJ7	MPJEMJ7	BT300CS
400mm ²	MPJEMJ8*	MPJEMJ8*	MPJEMJ8*	BT400CS



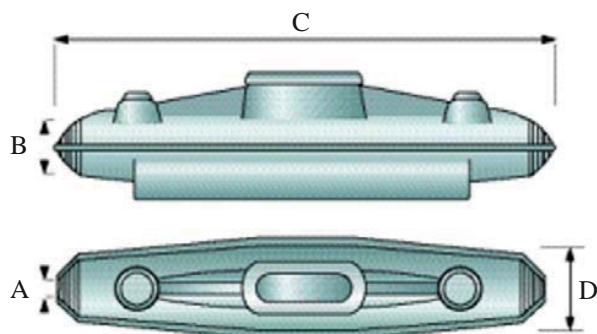
Note: MPJEM joints are provided without connectors, compression connectors can be provided separately.

*Joint does not accommodate crossed core (phase to phase jointing)

Prysmian Group JEM CE

Technical Information:

- Low Voltage Straight Joints for 600/1000 Volt polymeric insulated copper conductors, SWA cables to BS5467, BS6346 and IEC 502.
- Tested and approved to BS EN 50393 & ENA ER C81
- Includes constant force spring Armour Bonds.
- JEM Resin
 - Easier mixing in "Twin Pack" totally enclosed mixing in a clear laminate sachet.
 - Extremely low mix viscosity allows void free joint filling
 - JEM Resin is insensitive to moisture and will cure under water.
 - Enhanced adhesion to XLPE, MDPE, PVC & lead.
 - High flash point, non-flammable liquid - No special storage or transport requirements.
 - Not classified as irritating to the skin or eyes.
 - Does not cause skin sensitization.



MPJEM-U - Low Voltage Industrial Cable Joint Kits

For Un-Armoured Cables (Excludes Connectors)



REF NO: SEE TABLE

Straight joints for LV cables with copper conductors from 1.5mm² to 300mm²

- Low Hazard Isocyanate free JEM resin
- Twin Pack mixing in clear laminate sachets
- Extremely low viscosity combined with enhanced adhesion
- Transparent injection moulded polypropylene shells up to size 4 and vacuum formed clear HIPS for the larger sizes.
- Slim-line design for use with compression connectors

LOW HAZARD
ISOCYANATE FREE
JEM RESIN

Shell Dimensions				
Joint Reference	Min. box entry Ø 'A'	Min. box entry Ø 'B'	Box length 'C'	Internal Ø 'D'
MPJEMJ1U	12mm	26mm	185mm	35mm
MPJEMJ2U	14mm	32mm	245mm	48mm
MPJEMJ3U	23mm	39mm	325mm	52mm
MPJEMJ4U	28mm	50mm	375mm	68mm
MPJEMJ5U	32mm	58mm	520mm	102mm
MPJEMJ6U	45mm	75mm	705mm	124mm
MPJEMJ7U	40mm	89mm	862mm	140mm
MPJEMJ8U	57mm	95mm	900mm	150mm

TABLE1

Joint selection for 2, 3 and 4 core Un-Armoured cables

Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.	Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
1.5mm ²	MPJEMJ1U	MPJEMJ1U	MPJEMJ1U	BERS	50mm ²	MPJEMJ2U	MPJEMJ2U	MPJEMJ3U	BT50CS
2.5mm ²	MPJEMJ1U	MPJEMJ1U	MPJEMJ1U	BEB5	70mm ²	MPJEMJ3U	MPJEMJ3U	MPJEMJ4U	BT70CS
4mm ²	MPJEMJ1U	MPJEMJ1U	MPJEMJ1U	BEYS	95mm ²	MPJEMJ4U	MPJEMJ4U	MPJEMJ4U	BT95CS
6mm ²	MPJEMJ1U	MPJEMJ1U	MPJEMJ1U	BT6CS	120mm ²	MPJEMJ4U	MPJEMJ4U	MPJEMJ5U	BT120CS
10mm ²	MPJEMJ1U	MPJEMJ1U	MPJEMJ1U	BT10CS	150mm ²	MPJEMJ5U	MPJEMJ5U	MPJEMJ5U	BT150CS
16mm ²	MPJEMJ1U	MPJEMJ1U	MPJEMJ1U	BT16CS	185mm ²	MPJEMJ5U	MPJEMJ5U	MPJEMJ5U	BT185CS
25mm ²	MPJEMJ1U	MPJEMJ1U	MPJEMJ2U	BT25CS	240mm ²	MPJEMJ5U	MPJEMJ5U	MPJEMJ6U	BT240CS
35mm ²	MPJEMJ2U	MPJEMJ2U	MPJEMJ2U	BT35CS	300mm ²	MPJEMJ6U	MPJEMJ6U	MPJEMJ6U	BT300CS

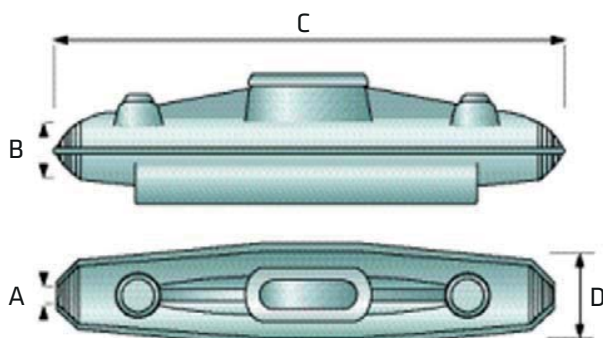


Note: Un-armoured cables have varying constructions so it is advisable to check the cable O/D with table 1 above.
MPJEMJ-U joints are provided without connectors - compression connectors can be provided separately.

Prysmian Group JEM C€

Technical Information:

- Low Voltage Straight Joints for 600/1000 Volt unarmoured polymeric insulated copper conductors.
- Tested and approved to BS EN 50393 & ENA ER C81
- JEM Resin
 - Easier mixing in "Twin Pack" totally enclosed mixing in a clear laminate sachet.
 - Extremely low mix viscosity allows void free joint filling.
 - JEM Resin is insensitive to moisture and will cure under water.
 - Enhanced adhesion to XLPE, MDPE, PVC & lead.
 - High flash point, non-flammable liquid - No special storage or transport requirements.
 - Not classified as irritating to the skin or eyes.
 - Does not cause skin sensitization.





LOW HAZARD
ISOCYANATE FREE
JEM RESIN

ZHMPJ - Low Voltage Afumex LSOH Cable Joint Kits

For Un-Armoured Cables (Excludes Connectors)

REF NO: SEE TABLE

Straight joints for LSOH/LSF LV cables with copper conductors from 1.5mm² to 400mm²

- Low Hazard Isocyanate free JEM resin
- Twin Pack mixing in clear laminate sachets
- Extremely low viscosity combined with enhanced adhesion
- Rigid glass reinforced phenolic joint shells which are both fire retardant and LSOH
- Slim-line design for use with compression connectors

Properties

Property	Test Method	Shell GF Phenolic	Resin Filled Acrylic
Oxygen Index.	BS2782 Pt.1Mth.141	>70	>26
Temperature Index.	BS2782 Pt.1Mth.143	>350°C	-
Heat Distortion Temp.	BS2782 Pt.1Mth.121A	>150°C	-
Toxic Gas Emission	-	Nil	Nil
Smoke Emission	BS6724	A ₀ <1.5	-

Straight Joint Reference	Shell Dimensions		
	A	B	C
ZHMPJ2	300mm	85mm	70mm
ZHMPJ3	405mm	100mm	80mm
ZHMPJ4	430mm	110mm	90mm
ZHMPJ5	560mm	160mm	130mm
ZHMPJ6	740mm	180mm	145mm
ZHMPJ7	870mm	190mm	145mm
ZHMPJ8	1015mm	205mm	180mm

Joint selection for 2, 3 and 4 core cables

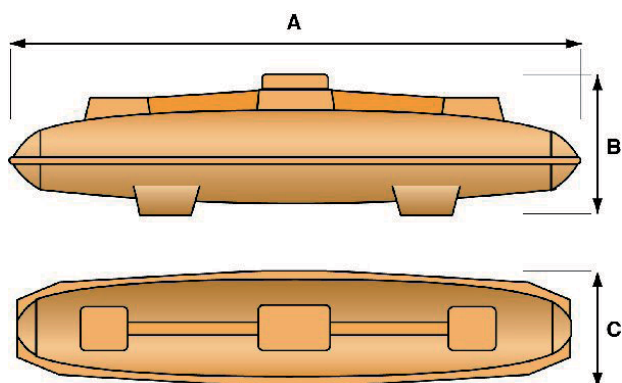
Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
4mm ²	ZHMPJ2	ZHMPJ2	ZHMPJ2	BE-YS
6mm ²	ZHMPJ2	ZHMPJ2	ZHMPJ2	BT6CS
10mm ²	ZHMPJ2	ZHMPJ2	ZHMPJ2	BT10CS
16mm ²	ZHMPJ2	ZHMPJ2	ZHMPJ3	BT16CS
25mm ²	ZHMPJ2	ZHMPJ3	ZHMPJ4	BT25CS
35mm ²	ZHMPJ3	ZHMPJ4	ZHMPJ4	BT35CS
50mm ²	ZHMPJ3	ZHMPJ5	ZHMPJ5	BT50CS
70mm ²	ZHMPJ4	ZHMPJ5	ZHMPJ5	BT70CS

Nominal Area of Conductor	Two Core Ref.	Three Core Ref.	Four Core Ref.	Connector Ref.
95mm ²	ZHMPJ4	ZHMPJ5	ZHMPJ5	BT95CS
120mm ²	ZHMPJ5	ZHMPJ6	ZHMPJ6	BT120CS
150mm ²	ZHMPJ5	ZHMPJ6	ZHMPJ6	BT150CS
185mm ²	ZHMPJ5	ZHMPJ6	ZHMPJ6	BT185CS
240mm ²	ZHMPJ6	ZHMPJ7	ZHMPJ7	BT240CS
300mm ²	ZHMPJ6	ZHMPJ7	ZHMPJ7	BT300CS
400mm ²	-	-	ZHMPJ8	BT400CS

*Joint does not accommodate crossed core (phase to phase jointing)



Note: ZHMPJ joints are provided without connectors, compression connectors can be provided separately.



Prysmian Group JEM CE

Technical Information:

- Low Voltage Straight Joints for 600/1000 Volt polymeric insulated copper conductors, SWA cables to BS6724 and IEC 60502-1 (halogen free).
- Tested and approved to BS EN 50393 & ENA ER C81
- Tests on complete joints to BS 6724 (using IEC 1034 methods) give smoke emission values A₀ significantly less than the permitted maximum of 1.5.
- Includes constant force spring Armour Bonds.
- JEM Resin
 - Easier mixing in "Twin Pack" totally enclosed mixing in a clear laminate sachet.
 - Extremely low mix viscosity allows void free joint filling.
 - JEM Resin is insensitive to moisture and will cure under water.
 - Enhanced adhesion to XLPE, MDPE, PVC & lead.
 - High flash point, non-flammable liquid - No special storage or transport requirements.
 - Not classified as irritating to the skin or eyes.
 - Does not cause skin sensitization.



Pre-Printed-Label Service

Even though our solutions are designed to save time. Sometimes even that is not enough. Our Custom Pre-print service, helps free-up valuable extra resource. E-Tech can pre-print your labels then deliver to UK (or international) sites, making a very real contribution by helping you to meet tight project deadlines.

Choose from our entire range of label solutions, or mix and match as your project requires, including engraved labels. Depending on order timing/delivery/location labels can be on-site as early as next day.

We also happy to discuss bespoke Site Ready Packs. These can be called off/delivered to different sites as required.



Site Ready Label Packs

Whether it's one site or one hundred sites, E-Tech can produce site-ready label packs, that contain all the labels needed to match your exact site needs.

Typically, packs may be made up from any of the Silver Fox range including:

Tie-on Cable Labels/Cable Ties/Wrap Round Self-laminating Cable labels/Wire Markers/Equipment Labels/Patch Panel Labels/Asset Tags/Engraved Labels/Valve Tags.

Site ready packs: open bag and fit labels.

HOW IS IT SET UP?

We discuss your needs, then, between us we put together the initial site ready pack. We then produce and submit to you for approval, changing and evolving as required. If accepted, this is then the standard from which we produce the packs. You can adjust, as required, as your project evolves.

For immediate shipment, we can pre-prepare the site packs. In short they're available off the shelf for next day delivery.

If you don't require Site Ready Packs but still require any amount of different pre-printed labels that we produce, why not try our Pre-Printed Label Service.

FOR MORE INFORMATION AND TO DISCUSS YOUR REQUIREMENTS

CONTACT OUR SALES TEAM:

t: +44 (0)1744 762 929

e: sales@etechcomponents.com

For more info visit: www.etechcomponents.com/suppliers/silver-fox



Fox In A Box[®] Thermal Printer Kit

REF NO: SEE TABLE

The same printer and ribbon are shared at all levels. This common platform protects your investment and ensures the Silver Fox solution is easy and straightforward to use while at the same time offering seamless upgrade from one level to another. Your investment is further protected as our software automatically updates over the web, giving you the latest functionality FOC. The same software that drives Fox-in-a-Box, also includes our laser templates. These templates cover our full range of laser labels. Print laser labels with any standard office laser printer.

Silver Fox offer 3 levels of Fox-in-a-Box[®] thermal printer kit:

Type	Description
Standard Fox In A Box	Entry Level starter pack with Labacus [®] Innovator Standard software to print all our thermal range, software also includes templates for all our laser range
Advanced Fox In A Box	Mid-range labelling pack includes Labacus Innovator Advanced Software.
Professional Fox In A Box	Top end solution includes Labacus Innovator Professional Software.



Legend[™] 2-Part Clear Tubing

REF NO: SEE TABLE

The Silver Fox Legend[™] 2-part labelling system label available in both laser and thermal printable formats fits inside our off-the-shelf 2-part labelling system tube which acts as a carrier and also protects the ident. The clear tubes are flexible plastic made from PVC. Available in 3 lengths; 20mm, 30mm and 50mm and a wide variety of diameters for each length.



Legend Details

Catalogue Number	Wire/Cable OD ø (mm)	Tube Length (mm)	Pack Qty
LT/1-2/20	1.2 - 2.5	20	1000
LT/1-2/30	1.2 - 2.5	30	1000
LT/1-2/50	1.2 - 2.5	50	1000
LT/2-4/20	2.5 - 4	20	1000
LT/2-4/30	2.5 - 4	30	1000
LT/2-4/50	2.5 - 4	50	1000
LT/3-5/20	3 - 5	20	1000
LT/3-5/30	3 - 5	30	1000
LT/3-5/50	3 - 5	50	1000
LT/4-7/20	4 - 7	20	1000
LT/4-7/30	4 - 7	30	1000
LT/4-7/50	4 - 7	50	500
LT/6-10/20	6 - 10	20	500
LT/6-10/30	6 - 10	30	500
LT/6-10/50	6 - 10	50	500
LT/10-14/20	10 - 14	20	500
LT/10-14/30	10 - 14	30	500
LT/10-14/50	10 - 14	50	500



Legend[™] Tie-on Laser Labels

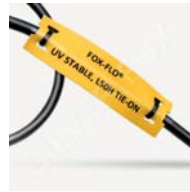
REF NO: SEE TABLE

The Legend[™] polyester laser printable tie-on cable labels are designed to be printed through any ordinary office laser printer with its normal printer cartridge. No special equipment is needed. Supplied in (pre-perforated) plastic A4 sheets, that can be simply/quickly printed, the labels are then removed from the sheet by folding along the perforations. Typical applications include; Power Stations, Sub-Stations, Control Rooms, Commercial Buildings, Hotels, Airports, Universities, Data Centres, Rail.



Legend Details

Catalogue Number	Label Dimensions (mm)	Sheet Size	Labels Per Roll	Pack Qty	Colour Options
LS6013L	60 x 13	A4	60	10 Sheets	□ □
LS6013L(100)	60 x 13	A4	60	100 Sheets	□ □
LM9013L	90 x 13	A4	40	10 Sheets	□ □ □
LM9013L(100)	90 x 13	A4	40	100 Sheets	□ □ □
LXL9020L	90 x 20	A4	24	10 Sheets	□ □ □ □ □
LXL9020L(100)	90 x 20	A4	24	100 Sheets	□ □ □ □ □



Fox-Flo[®] Tie-on Cable Labels

REF NO: SEE TABLE

Fox-Flo is a special UV stable LSOH (Low Smoke, Zero-Halogen) material that we have developed to ensure the highest levels of durability. Typical applications would be Rail/Metro and buildings where LSOH is part of the specification. It can be used externally and in marine environments.

- London Underground Limited Standard LUL1-085
- Very high Oxygen Index levels
- 8000 hours successful NDT accelerated UV ageing
- Salt Mist Spray according to Lloyds Register Type Approval System

Fox Flo Details

Catalogue Number	Label Dimensions (mm)	Labels Per Roll	Labels Per Pack	Pack Qty	Colour Options
LCLZ2-5010T	50x10	750	2250	3 Rolls	□ □ □
LCLZ1-5015T	50x15	160	800	5 Rolls	□ □ □ □ □
LCLZ1-5025T	50x25	160	480	3 Rolls	□ □ □ □
LCLZ2-7010T	70x10	550	1650	3 Rolls	□ □ □
LCLZ1-7015T	70x15	150	750	5 Rolls	□ □ □ □ □
LCLZ1-7025T	70x25	150	450	3 Rolls	□ □ □ □
LCLZ1-9015T	90x15	140	700	5 Rolls	□ □ □ □ □
LCLZ1-9025T	90x25	140	420	3 Rolls	□ □ □ □
LCLZ1-11015T	110x15	120	600	5 Rolls	□ □ □ □ □
LCLZ1-11025T	110x25	120	360	3 Rolls	□ □ □ □



Legend[™] 2-Part Laser Labels

REF NO: SEE TABLE

Labels supplied pre-cut as part of A4 sheets, designed to run through a standard office laser printer. No special equipment required. The key benefit of the 2 part system is that the wire ID can be changed even after termination without cutting off the wire. Typical uses include; sub-stations, control rooms or any application where the ID is likely to need frequent changes.

Legend Details

Catalogue Number	Label Dimensions (mm)	Sheet Size	Labels Per Sheet	Pack Qty	Labels Per Pack	Colour Options
L75/20L(10)	20 x 5 A4	A4	75	10 Sheets	750	□
L75/20L	20 x 5	A4	75	100 Sheets	7500	□
L45/30L(10)	30 x 5	A4	45	10 Sheets	450	□
L45/30L	30 x 5	A4	45	100 Sheets	4500	□
L38/50L(10)	50 x 5	A4	38	10 Sheets	380	□
L38/50L	50 x 5	A4	38	100 Sheets	3800	□



Endurance[®] Laser Engraved Labels

REF NO: MADE TO YOUR REQUIREMENTS - CONTACT US

Endurance[®] acrylic laser engraved labels are an extremely durable factory produced tie-on cable label. We can produce them with whatever information is required, in one or more lines and with different font styles/sizes (even on the same label). There are 2 thicknesses available; 0.5mm and 1.6mm in a range of colour options depending on the thickness.

Endurance[®] Laser Engraved Labels Technical Information

Material:	Acrylic
Thickness:	0.5mm (0.020") or 1.6mm (0.063")
Adhesive:	High-tack acrylic adhesive
Temperature Tolerance:	70°C (158°F)
Engraving:	Laser engraved
RoHS:	RoHS compliant

**LASER ENGRAVED TIE-ON LABELS ARE
CUSTOM MADE TO YOUR REQUIREMENTS.
CONTACT US FOR DETAILS:**

**t: +44 (0)1744 762 929
e: sales@etechcomponents.com**

For more info visit: www.etechcomponents.com/suppliers/silver-fox

Prysmian
Group

Draka

Connecta System

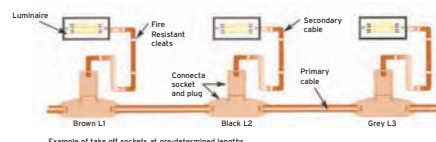


Connecta. Delivering optimum power safety for tunnel environments.

Connecta has been specifically developed to provide lighting and small power applications in tunnel environments. In the event of a fire, Connecta maintains the integrity of a circuit even if a local device fails, allowing escape routes further up and down the line to remain illuminated.



Connecta maintains the integrity of a circuit even if a local device suffers fire damage

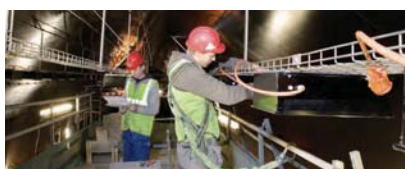
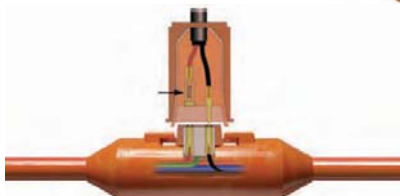
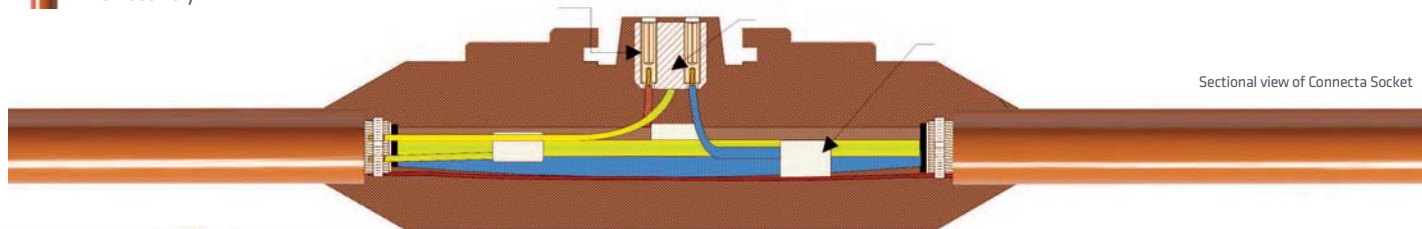


Connecta. Simple to install, easy to maintain.



The safety of occupants and passengers in mass transit systems, especially road and rail tunnels, is of paramount importance. One factor that can play a key role in making these environments safer is the appropriate use of fire performance cables for critical safety systems. In the event of a tunnel fire and smoke filled environment, it is vital that the emergency lighting remains secure, to ensure that escape routes are clearly illuminated. Moreover, the correct selection and installation of these vital safety cables ensures that, in the event of an emergency, systems can continue to function and people will have time to evacuate safely, as well as helping the emergency services to operate effectively.

The technical resources of Draka and Custom Design Group have combined to deliver a system that offers optimum fire safety performance in tunnels. Connecta is manufactured with high quality injection moulded zero halogen, low smoke (OHL5[®]) components and features a male joint and female plug with an optional integral fuse and coupling nut. It is available with a primary cable of 2.5mm² to 50.0mm², in 3, 4 or 5 core variations and with a wiring loom length of approximately 700 metres.* This ensures the system is ideally suited to a wide variety of tunnel environments for the provision of emergency lighting and 3 phase power supplies. Another significant benefit of Connecta is the ease in which it can be installed and maintained. With project deadlines becoming tighter and tighter, Connecta offers both time and cost-saving benefits to a variety of applications. With all of the lighting or power joints manufactured in a clean factory environment, rather than in-situ on site, installation times can be significantly reduced.



This can assist in meeting or bringing forward project milestones or deadlines. In addition, with the jointing pre-manufactured, the need for highly skilled electrical installers can be reduced, as the system can be installed by semi-skilled labour, again offering a cost-saving benefit. Each coupling system is specifically designed and manufactured to meet the clients needs with pre-set lengths between each moulded socket outlet unique to each installation. Secondary outputs are then taken from the primary cable via moulded plugs to pre-wired individual luminaires. Therefore not only is Connecta easy to install but because of its modular design, maintenance is also simple. Each Connecta is phase identified and circuit integrity meets the requirements of BS6387 Categories C, W and Z. Ingress protection meets IP 67 standards. As part of the Firetuf range of fire performance cables, Connecta also benefits from being a zero halogen, low smoke (OHL5[®]) system.

The Fire Performance Tunnel Lighting and Power System

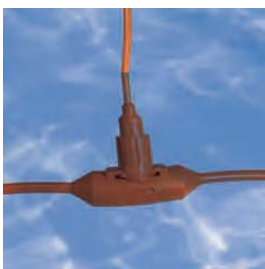
Connecta. Tried and tested!

No-one does more to ensure their products deliver optimum performance than Draka. As you would expect, Connecta has been tested to the highest possible standards and meets BS 7671, I.E.E. Wiring Regulations. Our testing and commissioning programme ensures all components are tested individually then again as a complete system with luminaires energised. Fire, Fire with Water and Fire with Mechanical Shock tests are all rigorously completed by our specialists and as a result Connecta is fully approved to BS 6387: 1994 and SS299 Pt1: 1998 (Singapore Standard). Furthermore the BS 6387 category "C, W and Z" is the internationally recognised UK test, used to determine if a cable is capable of maintaining circuit integrity under different fire conditions, as the illustrated tests show. Connecta from Draka. Tried, tested and trusted by specifiers and contractors throughout the world.



BS6387 Category Z - Resistance to fire with mechanical shock; 950°C for 15 minutes with 30 second hammer blows.

The Connecta system has been installed in the Channel Tunnel Rail Link (CTRL), London Underground, Heathrow Terminal 5 Tunnels, Dublin Port Tunnel and the Singapore Mass Transit Network (MRT) amongst others.



Rated to IP67



BS6387 Category W - Resistance to fire and water; 650°C for 15 minutes, then for 15 minutes with fire and water



SEND US YOUR DRAKA CONNECTA REQUIREMENTS

CONTACT US:

t: +44 (0)1744 762 929

e: sales@etechcomponents.com

BS6387 Category C - Resistance to fire; 950°C for 3 hours



Strip SWA Cable Safely without a Knife or Hacksaw

- NO KNIVES • NO BLADES • NO HACKSAW
- SITE SAFE • ROBUST “CUTTING” WHEEL

SACS tool

Strip away the hassle...

**A NEW AND INNOVATIVE TOOL
THAT SAFELY STRIPS SWA CABLE**

SAVE TIME

30% faster than using a hacksaw and knife

IMPROVE SAFETY

Safer tool means a reduced risk of injury

SAVE MONEY

Reduced injury associated costs

REDUCE WASTE

Increased accuracy means fewer mistakes

COMPLIANCE

Comply with safe working practice
and minimise the risk of injury

*Ergonomic
shape*

*Lightweight
aluminium body*

*Hardened
long lasting
blades*

*Multi-directional
base*



With its long lasting “cutting” wheel and 3 year guarantee* SACS is a cost effective solution to stripping down your 12-35mm cables

Easy to use in confined spaces, this small and robust tool will quickly become a large asset to your business.

For more info visit: www.etchcomponents.com/suppliers/sacs-tool

*GUARANTEE ON TOOL ONLY NOT CUTTING WHEEL

1. Application of Terms and Conditions

1.1 The Seller shall sell and the Buyer shall purchase the Goods in accordance with any quotation or offer of the Seller which is accepted by the Buyer, or any order of the Buyer which is accepted by the Seller; and
1.2 These Terms and Conditions shall govern the Contract to the exclusion of any other terms and conditions that the Buyer seeks to impose or incorporate, or which are implied by trade, custom, practice or course of dealing, subject to which any such quotation is accepted or purported to be accepted by the Seller, or any such order is made or purported to be made, by the Buyer.

2. Interpretation

2.1 In these Terms and Conditions, unless the context otherwise requires, the following expressions have the following meanings:

“**Business Day**” means any day other than a Saturday, Sunday or bank holiday;

“**Buyer**” means the person or legal entity who accepts a quotation or offer of the Seller for the sale of the Goods or whose order for the Goods is accepted by the Seller;

“**Contract**” means the contract for the purchase and sale of the Goods which shall incorporate, and be subject to, these Terms and Conditions;

“**Contract Price**” means the price stated in the Order payable for the Goods;

“**Delivery Date**” means the date on which the Goods are to be delivered as stipulated in the Order and accepted by the Seller, as evidenced in the Contract;

“**Force Majeure Event**” means an event or circumstance beyond a Party's reasonable control;

“**Goods**” means the goods (including any instalment of the goods or any parts for them) which the Seller is to supply in accordance with the Contract;

“**Incoterms 2010**” means the International Commercial Terms, as published by the International Chamber of Commerce (version 2010, 8th Edition);

“**Month**” means a calendar month;

“**Order**” means the Buyer's order for the Goods, as set out in the Buyer's purchase order form, or the Buyer's written acceptance of the Seller's quotation or offer, as the case may be; and

“**Seller**” means E-Tech Components (UK) Limited, a company registered in England under Company registration Number 05076040 of West Lancashire Investment Centre, Whitemoss Business Park, Skelmersdale, West Lancashire, WN8 9TG.

2.2 Unless the context otherwise requires, each reference in these Terms and Conditions to:

2.2.1 “writing”, and any cognate expression, includes a reference to any communication effected by e-mail or facsimile transmission;

2.2.2 a statute or a provision of a statute is a reference to that statute or provision as amended or re-enacted at the relevant time;

2.2.3 “these Terms and Conditions” is a reference to these Terms and Conditions as amended or supplemented at the relevant time;

2.2.4 a Clause is a reference to a clause of these Terms and Conditions;

2.2.5 a “Party” or the “Parties” refer to the parties to these Terms and Conditions; and

2.2.6 any phrase introduced by the terms “including”, “include”, “in particular” or any similar expression shall be construed as illustrative and shall not limit the sense of the words preceding those terms.

2.3 The headings used in these Terms and Conditions are for convenience only and shall have no effect upon the interpretation of these Terms and Conditions.

2.4 Words imparting the singular number shall include the plural and vice versa.

2.5 References to any gender shall include the other gender.

3. Basis of Sale

3.1 The Seller's employees or agents are not authorised to make any representations concerning the Goods unless confirmed by the Seller in writing. In entering into the Contract the Buyer acknowledges that it does not rely on, and waives any claim for breach of, any such representations which are not so confirmed.

3.2 No variation to these Terms and Conditions, or to the Contract, shall be binding unless agreed in writing between the authorised representatives of the Buyer and the Seller.

3.3 Sales literature, price lists and other documents issued by the Seller in relation to the Goods are subject to alteration without notice and do not constitute offers to sell the Goods which are capable of acceptance.

3.4 Any typographical, clerical or other accidental errors or omissions in any sales literature, quotation, price list, acceptance of offer, invoice or other document or information issued by the Seller shall be subject to correction without any liability on the part of the Seller.

4. Orders and Specifications

4.1 No Order shall be deemed to be accepted by the Seller unless and until confirmed in writing by the Seller's authorised representative, at which point the Contract shall come into existence.

4.2 The Order constitutes an offer by the Buyer to purchase the Goods in accordance with these Terms and Conditions. The Buyer is responsible for ensuring that the terms of the Order are complete and accurate.

4.3 The specification for the Goods shall be that set out in the Seller's sales documentation unless varied expressly in the Order (if such variation(s) is/are accepted by the Seller). The Goods will only be supplied in the minimum units thereof stated in the Seller's price list or in multiples of those units. Orders received for quantities other than these will be adjusted accordingly.

4.4 The Buyer waives any right it might otherwise have to rely on any term endorsed upon, delivered with or contained in any documents of the Buyer that is inconsistent with these Terms and Conditions.

4.5 Illustrations, photographs or descriptions whether in catalogues, brochures, price lists or other documents issued by the Seller are intended as a guide only and they shall not form part of the Contract nor have any contractual force.

4.6 The Seller reserves the right to make any changes in the specification of the Goods which are required to conform with any applicable safety or other statutory or regulatory requirements or, where the Goods are to be supplied to the Buyer's specification, which do not materially affect their quality or performance.

4.7 No Order which has been accepted by the Seller may be cancelled by the Buyer except with the agreement in writing of the Seller on the terms that the Buyer shall indemnify the Seller in full against all losses (including loss of profit), liabilities, costs (including the cost of all labour and materials used), damages, charges and expenses incurred by the Seller as a result of such cancellation.

5. Price

5.1 The Contract Price of the Goods shall be the price set out in the Order or such other price as may be agreed in writing by the Seller and the Buyer.

5.2 Where the Seller has quoted a price for the Goods other than in accordance with the Seller's published price list the price quoted shall be valid for 30 days only or such lesser time as the Seller may specify.

5.3 The Seller reserves the right, by giving written notice to the Buyer at any time before the Delivery Date, to increase the price of the Goods to reflect any increase in the cost to the Seller which is due to any factor beyond the control of the Seller (including any foreign exchange fluctuation, currency regulation, alteration of or increase in taxes or duties, significant increase in the costs of labour, materials or other costs of manufacture), any change in Delivery Date, quantities or specifications for the Goods which are requested by the Buyer, or any delay caused by any instructions of the Buyer or failure of the Buyer to give the Seller adequate or accurate information or instructions.

5.4 The Seller may allow the Buyer quantity discounts subject to and in accordance with the conditions set out in the Seller's published price list for the Goods current at the date of acceptance of the Order.

5.5 Any settlement discount specified by the Seller in the Contract will be authorised by the Seller to the Buyer in respect of Goods for which payment is received by the Seller on or before the due date and otherwise in accordance with the payment terms set out in these Terms and Conditions and provided that no other amounts owing by the Buyer to the Seller are overdue and unpaid.

5.6 Subject to Clause 5.7 and except as otherwise stated in the Order or in any price list of the Seller, and unless otherwise agreed in writing between the Buyer and the Seller, all prices are exclusive of the Seller's charges for packaging, insurance and transport of Goods, which shall be invoiced to the Buyer.

5.7 On all UK orders below £200.00 net the Buyer shall pay a small order charge of £15.00.

5.8 The Contract Price is exclusive of any applicable value added tax, excise, sales taxes or levies of a similar nature which are imposed or charged by any competent fiscal authority in respect of the Goods, which the Buyer shall be additionally liable to pay to the Seller.

6. Payment

6.1 Subject to any special terms agreed in writing between the Buyer and the Seller or as set out in the Order, the Seller shall invoice the Buyer for the Contract Price of the Goods on or at any time after completion of delivery of the Goods, unless the Goods are to be collected by the Buyer or the Buyer wrongfully fails to take delivery of the Goods, in which event the Seller shall be entitled to invoice the Buyer for the Contract Price at any time after the Seller has notified the Buyer that the Goods are ready for collection or (as the case may be) the Seller has tendered delivery of the Goods.

6.2 The Buyer shall pay the Contract Price of the Goods (less any discount or credit allowed by the Seller, but without any other deduction, credit or set off) within 30 Business Days of the date of the Seller's invoice or otherwise in accordance with such credit terms as may have been agreed in writing between the Buyer and the Seller in respect of the Contract. Payment shall be made on the due date notwithstanding that delivery may not have taken place and/or that the title in the Goods has not passed to the Buyer. The time for the payment of the Contract Price shall be of the essence of the Contract. Receipts for payment will be issued only upon request.

6.3 If a stock cleanse is agreed between the Parties, the old stock may be bought back by the Seller at the Contract Price of the Goods sold less a handling charge of 25% of the value of the old Goods, subject to the old stock being full pack quantities, in original packaging and in full saleable condition. The Buyer will then be required to order further Goods from the Seller at 2 (two) times the value of the Goods.

6.4 All payments shall be made to the Seller as indicated on the Order or the invoice issued by the Seller.

6.5 The Seller is not obliged to accept orders from any buyer who has not supplied the Seller with references satisfactory to the Seller. If at any time the Seller is not satisfied as to the creditworthiness of the Buyer it may give notice in writing to the Buyer that no further credit will be allowed to the Buyer in which event no further goods will be delivered to the Buyer other than against cash payment and notwithstanding Clause 6.2 of these Terms and Conditions, all amounts owing by the Buyer to the Seller shall become immediately payable.

6.6 The Buyer shall pay all amounts due under the Contract in full without any set-off, counterclaim, deduction or withholding (except for any deduction or withholding required by law). The Seller may at any time, without limiting any other rights or remedies it may have, set off any amount owing to it by the Seller against any amount payable by the Seller to the Buyer.

6.7 If either Party fails to make any payment due under the Contract by the due date for payment, then the relevant Party shall pay interest on the overdue amount at the rate of 4% per annum above the Bank of England's base rate from time to time. Such interest shall accrue on a daily basis from the due date until actual payment of the overdue amount, whether before or after judgment. The relevant Party shall pay the interest together with the overdue amount.

6.8 The Seller may at any time assign the right of recovery under any invoices to a third party.

7. Delivery

7.1 Delivery of the Goods shall be made by the Seller delivering the Goods to the place in the United Kingdom specified in the Order and/or the Contract as the location to which the Goods are to be delivered by the Seller or, if no place of delivery is so specified or the Parties have agreed otherwise, by the Buyer collecting the Goods at the Seller's premises at any time after the Seller has notified the Buyer that the Goods are ready for collection.

7.2 The Delivery Date is approximate only and time for delivery shall not be of the essence. The Seller shall not be liable for any delay in delivery of the Goods that is caused by a Force Majeure Event or the Buyer's failure to provide the Seller with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods.

7.3 If the Seller fails to deliver the Goods, its liability shall be limited to the costs and expenses incurred by the Buyer in obtaining replacement goods of similar description and quality in the cheapest market available, less the price of the Goods.

7.4 Where the Goods are to be delivered in instalments, each delivery shall constitute a separate contract and failure by the Seller to deliver any one or more of the instalments in accordance with these Terms and Conditions or any claim by the Buyer in respect of any one or more instalments shall not entitle the Buyer to treat the Contract as a whole as repudiated.

7.5 If the Buyer fails to take delivery of the Goods or any part of them on the Delivery Date and/or fails to provide any instructions, documents, licences, consents or authorisations required to enable the Goods to be delivered on that date, the Seller shall be entitled upon giving written notice to the Buyer to store or arrange for the storage of the Goods and then notwithstanding the provisions of Clause 9.1, risk in the Goods shall pass to the Buyer, delivery shall be deemed to have taken place and the Buyer shall pay to the Seller all costs and expenses including storage and insurance charges arising from such failure.

7.6 If ten Business Days after the day on which the Seller notified the Buyer that the Goods were ready for delivery or collect the Buyer has not collected or accepted delivery of them, the Seller may resell or otherwise dispose of part or all of the Goods and, after deducting reasonable storage and selling costs, account to the Buyer for any excess over the price of the Goods or charge the Buyer for any shortfall below the price of the Goods.

8. Export Sales

8.1 Where the Goods are supplied to a destination outside the UK, this Clause 8 shall apply by way of modification to these Terms and Conditions.

8.2 Unless otherwise stated in the Order or the Contract, the Goods are sold FCA (Free Carrier (named place of delivery)), as defined in the Incoterms 2010 via the port of Liverpool.

8.3 The Buyer shall be responsible for any import duties and local taxes outside the UK.

8.4 Export documentation should be requested at time of order. Costing will be quoted on application.

9. Risk and Retention of Title

9.1 Risk of damage to or loss of the Goods shall pass to the Buyer at:

9.1.1 in the case of Goods to be delivered at the Seller's premises, the time when the Seller notifies the Buyer that the Goods are available for collection; or

9.1.2 in the case of Goods to be delivered otherwise than at the Seller's premises, the time of delivery or, if the Buyer wrongfully fails to take delivery of the Goods, the time when the Seller has tendered delivery of the Goods.

9.2 Notwithstanding delivery and the passing of risk in the Goods, or any other provision of these Terms and Conditions, legal and beneficial title of the Goods shall not pass to the Buyer until (the earlier of):

9.2.1 the Seller has received in cash or cleared funds payment in full of the Contract Price of the Goods and any other goods supplied by the Seller; and

9.2.2 the Buyer resells the Goods, in which case title to the Goods shall pass to the Buyer at the time specified in Clause 9.4.

9.3 Until payment has been made to the Seller in accordance with these Terms and Conditions and the Contract and until title in the Goods has passed to the Buyer, the Buyer shall be in possession of the Goods as bailee for the Seller and the Buyer shall:

9.3.1 store the Goods separately and ensure that they are identifiable as being supplied by and the property of the Seller;

9.3.2 not remove, deface or obscure any identifying mark or packaging on or relating to the Goods;

9.3.3 maintain the Goods in satisfactory and in an appropriate environment, and shall insure the Goods against all reasonable risks; and

9.3.4 give the Seller such information relating to the Goods as the Seller may require from time to time.

9.4 Subject to Clause 9.7, the Buyer may resell or use the Goods in the ordinary course of its business (but not otherwise) before the Seller receives payment for the Goods. However, if the Buyer resells the Goods before that time:

9.4.1 it does so as principal and not as the Seller's agent; and

9.4.2 title to the Goods shall pass from the Seller to the Buyer immediately before the time at which resale by the Buyer occurs.

9.5 The Buyer shall not be entitled to pledge or in any way charge by way of security for any indebtedness any of the Goods which remain the property of the Seller, but if the Buyer does so all money owing by the Buyer to the Seller shall (without prejudice to any other right or remedy of the Seller) forthwith become due and payable.

9.6 The Seller reserves the right to repossess any Goods in which the Seller retains title without notice.

The Buyer irrevocably authorises the Seller to enter the Buyer's premises during normal business hours for the purpose of repossessing the Goods in which the Seller retains title or inspecting the Goods to ensure compliance with the storage and identification requirements of Clause 9.3.

9.7 If before title to the Goods passes to the Buyer the Buyer becomes subject to any of the events listed in Clause 11.1, then, without limiting any other right or remedy the Seller may have:

9.7.1 the Buyer's right to resell the Goods or use them in the ordinary course of its business ceases immediately; and

9.7.2 the Seller may at any time:

a) require the Buyer to deliver up all Goods in its possession that have not been resold, or irrevocably incorporated into another product; and

b) if the Buyer fails to do so promptly, enter any premises of the Buyer or of any third party where the Goods are stored in order to recover them in accordance with Clause 9.6.

10. Defective Goods

10.1 The Seller shall use its reasonable endeavours to pass on the benefit of any manufacturer's warranty

to the Buyer. The Seller does not provide any further warranties in relation to the Goods.

10.2 The Buyer is under a duty whenever possible to inspect the Goods on delivery or on collection, as the case may be. If on delivery or collection any of the Goods are defective in any material respect and either the Buyer lawfully refuses delivery or collection of the defective Goods or, if they are signed for on delivery as "condition and contents unknown" and/or any carrier's note is marked "not examined", where the Goods cannot be reasonably examined at the time of delivery or collection and the Buyer (after examining the Goods) gives written notice of such defect to the Seller within 5 Business Days of the Delivery Date and the Buyer (if requested to do so by the Seller) returns such Goods to the Seller's place of business (with the relevant returns note and at the Buyer's cost), the Seller shall at its sole option:

10.2.1 replace or repair the defective Goods within 30 Business Days of receiving the Buyer's notice; or
10.2.2 refund or credit to the Buyer the price for those Goods (or parts thereof, as appropriate) which are defective; but the Seller shall have no further liability to the Buyer in respect thereof and the Buyer may not reject the Goods if notice is not given by the Buyer as set out above.

10.3 The Seller shall be under no liability for any damage or shortages if the provisions of this Clause 10 are not complied with and, in any event, will be under no liability if a written complaint is not delivered to the Seller within 5 Business Days of delivery in accordance with Clause 10.2.2.

10.4 In all cases where defects or shortages are reported to the Seller in accordance with Clause 10.2, the Seller shall be under no liability in respect thereof unless the Seller is given a reasonable opportunity of examining such Goods.

10.5 No Goods may be returned to the Seller without the prior agreement in writing of the Seller.

10.6 The Seller shall not be liable to repair or replace the Goods in accordance with Clause 10.2 in any of the following events:

10.6.1 the Buyer makes any further use of such Goods after giving notice in accordance with Clause 10.2;
10.6.2 the defect arises because the Buyer failed to follow the Seller's oral or written instructions as to the storage, commissioning, installation, use and maintenance of the Goods or (if there are none) good trade practice regarding the same;

10.6.3 the defect arises as a result of the Seller following any drawing, design or specification supplied by the Buyer;

10.6.4 the Buyer alters or repairs such Goods without the written consent of the Seller;

10.6.5 the defect arises as a result of fair wear and tear, wilful damage, negligence, or abnormal storage or working conditions; or

10.6.6 the Goods differ from their description or any specification as a result of changes made to ensure they comply with applicable statutory or regulatory requirements.

10.7 Subject to Clauses 10.3, 10.4 and 10.6, the Seller shall make good any shortage in the Goods and where appropriate replace any Goods damaged in transit as soon as it is reasonable to do so, but otherwise shall be under no liability whatsoever arising from such shortage or damage.

10.8 Subject as expressly provided in these Terms and Conditions, and except where the Goods are sold under a consumer sale, all warranties, conditions or other terms implied by statute or common law are excluded to the fullest extent permitted by law including sections 13 to 15 of the Sale of Goods Act 1979.

10.9 The Buyer shall be responsible for ensuring that, except to the extent that instructions as to the use or sale of the Goods are contained in the packaging or labelling of the Goods, any use or sale of the Goods by the Buyer is in compliance with all applicable statutory requirements and that handling and sale of the Goods by the Buyer is carried out in accordance with directions given by the Seller or any competent governmental or regulatory authority and the Buyer will indemnify the Seller against any liability loss or damage which the Seller might suffer as a result of the Buyer's failure to comply with this Clause.

11. Termination

11.1 Without limiting its other rights or remedies, the Seller may terminate this Contract with immediate effect by giving written notice to the Buyer if the Buyer:

11.1.1 commits or permits any material breach of its obligations under these Terms and Conditions and (if such a breach is remediable) fails to remedy that breach within 7 days of the Buyer being notified in writing to do so;

11.1.2 enters into a voluntary arrangement under Parts I or VIII of the Insolvency Act 1986, the Insolvent Partnerships Order 1994 (as amended), or any other scheme or arrangement is made with its creditors;

11.1.3 is or becomes the subject of a bankruptcy order or takes advantage of any other statutory provision for the relief of insolvent debtors;

11.1.4 convenes any meeting of its creditors, enters into voluntary or compulsory liquidation, has a receiver, manager, administrator or administrative receiver appointed in respect of its assets or undertaking or any part thereof, any documents are filed with the court for the appointment of an administrator in respect of the Buyer, notice of intention to appoint an administrator is given by the Buyer or any of its directors or by a qualifying floating charge-holder (as defined in paragraph 14 of Schedule B1 of the Insolvency Act 1986), a resolution is passed or petition presented to any court for the winding up of the Buyer or for the granting of an administration order in respect of the Buyer, or any proceedings are commenced relating to the insolvency or possible insolvency of the Buyer or, if the step or action is taken in another jurisdiction, in connection with any analogous procedure in the relevant jurisdiction; or
11.1.5 suspends, threatens to suspend, ceases or threatens to cease to carry on all or a substantial part of its business.

11.2 Without prejudice to any other right or remedy available to the Seller, if the Buyer becomes subject to any of the events listed in Clauses 11.1.1 to 11.1.5, or the Seller reasonably believes that the Buyer is about to become subject to any of them, or if the Buyer fails to pay any amount due under this Contract on the due date for payment the Seller shall be entitled to:

11.2.1 cancel the Order and/or the Contract with immediate effect;

11.2.2 suspend any further deliveries to the Buyer under the Contract or any other contract between the Buyer and the Seller;

11.2.3 appropriate any payment made by the Buyer to such of the Goods (or the goods supplied under any other contract between the Buyer and the Seller) as the Seller may think fit (notwithstanding any purported appropriation by the Buyer); and

11.2.4 if the Goods have been delivered Buyer, the Buyer shall immediately pay to the Seller all of the Seller's outstanding unpaid invoices and interest notwithstanding any previous agreement or arrangement to the contrary.

11.3 Termination of the Contract shall not affect any of the Parties' rights and remedies that have accrued as at termination, including the right to claim damages in respect of any breach of this Contract that existed at or before the date of termination.

11.4 Any provision of the Contract that expressly or by implication is intended to come into or continue in force on or after termination shall remain in full force and effect.

12. Limitation of Liability

12.1 Subject to the provisions of Clauses 10 and 12.3, the following provisions set out the entire financial liability of the Seller (including any liability for the acts or omissions of its employees, agents and sub-contractors) to the Buyer in respect of:

12.1.1 any breach of these Terms and Conditions or the Contract; or

12.1.2 any representation, statement or tortious act or omission including negligence arising under or in connection with the Contract.

12.2 All warranties, conditions and other terms implied by statute or common law (save for the conditions implied by section 12 of the Sale of Goods Act 1979) are, to the fullest extent permitted by law, excluded from the Contract.

12.3 Nothing in these Terms and Conditions excludes or limits the liability of the Seller:

12.3.1 for death or personal injury caused by the Seller's negligence;

12.3.2 for any matter which it would be illegal for the Seller to exclude or attempt to exclude its liability; or

12.3.3 for fraud or fraudulent misrepresentation.

12.4 Subject to Clause 12.3:

12.4.1 the Seller's total liability in contract, tort (including negligence or breach of statutory duty), misrepresentation, restitution or otherwise, arising in connection with the performance or contemplated performance of the Contract shall be limited to the Contract Price; and 12.4.2 the Seller shall not be liable to the Buyer whether in contract, tort (including negligence), breach of statutory duty or otherwise for any pure economic loss, loss of profit, loss of business, depletion of goodwill or otherwise, in each case whether direct, indirect or consequential, or any claims for consequential compensation whatsoever (howsoever caused) which arise out of or in connection with the Contract.

13. Confidentiality, Publications and Endorsements

13.1 The Buyer will keep strictly confidential the Contract and all information obtained by the Buyer relating to the business, affairs, finances, properties, assets, trading practices, developments, trade secrets, know-how, personnel, customers and/or products of the Seller and will not use or disclose to any third party such information without the Seller's prior written consent provided that this undertaking shall not apply to

information which is in the public domain other than by reason of the Buyer's default or information that is required to be disclosed by law.

13.2 The Buyer will not use, authorise or permit any other person to use any name, trade mark, trade name, house mark, emblem or symbol which the Seller is licensed to use or which is owned by the Seller upon any premises, note paper, visiting cards, advertisement or other printed matter or in any other manner whatsoever unless such use shall have been previously authorised in writing by the Seller and (where appropriate) its licensor.

13.3 The Buyer will ensure compliance with this Clause 13 by its employees, servants, contractors, sub-contractors and agents.

13.4 The provisions of this Clause 13 shall survive the termination of the Contract.

14. Communications

14.1 All notices under these Terms and Conditions and under the Contract shall be in writing, addressed to that Party at its registered office (if it is a company) or its principal place of business (in any other case) or such other address as that Party may have specified to the other Party in writing in accordance with this Clause, and shall be delivered personally, sent by pre-paid first class post or other next working day delivery service, commercial courier or e-mail and shall be deemed duly given if signed by, or on behalf of, a duly authorised officer of the Party giving the notice.

14.2 Notices shall be deemed to have been duly given:

14.2.1 when delivered personally, when left at the address referred to in Clause 14.1;

14.2.2 if sent by pre-paid first class post or other next working day delivery service, at 9.00 am on the second Business Day after posting;

14.2.3 if delivered by commercial courier, on the date and at the time that the courier's delivery receipt is signed; or

14.2.4 if transmitted by e-mail or facsimile, one Business Day after transmission or after a report or return receipt is generated.

14.3 All notices under this Agreement shall be addressed to the most recent address, e-mail address, or facsimile number notified to the other Party.

14.4 The provisions of this Clause shall not apply to the service of any proceedings or other documents in any legal action.

15. Force Majeure

Neither Party shall be liable for any failure or delay in performing their obligations where such failure or delay results from a Force Majeure Event.

16. Assignment

16.1 The Seller may at any time assign, transfer, mortgage, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract or any part of it to any person, firm or company without the prior consent of the Buyer.

16.2 The Buyer shall not be entitled to assign, transfer, mortgage, charge, subcontract, declare a trust over or deal in any other manner with any or all of its rights or obligations under the Contract or any part of it without the prior written consent of the Seller.

17. Waiver

The Parties agree that no failure by either Party to enforce the performance of any provision in these Terms and Conditions or under the Contract shall constitute a waiver of the right to subsequently enforce that provision or any other provision. Such failure shall not be deemed to be a waiver of any preceding or subsequent breach and shall not constitute a continuing waiver.

18. Severance

If any provision or part-provision of the Contract is or becomes invalid, illegal or unenforceable, it shall be deemed modified to the minimum extent necessary to make it valid, legal and enforceable. If such modification is not possible, the relevant provision or part-provision shall be deemed deleted. Any modification to or deletion of a provision or part-provision under this Clause shall not affect the validity and enforceability of the rest of the Contract.

19. Entire Agreement

The Contract and these Terms and Conditions constitute the entire agreement and understanding of the Parties and supersedes all prior oral or written agreements, understandings or arrangements between them relating to the subject matter of this agreement. Neither Party shall be entitled to rely on any agreement, understanding or representation of any kind which is not expressly contained in this agreement. Each Party confirms and acknowledges that it has not been induced to enter into the Contract or these Terms and Conditions by, and shall have no remedy in respect of, any statement, representation, warranty or undertaking (whether negligently or innocently made) not expressly incorporated into it. However, nothing in these Terms and Conditions or the Contract purports to exclude liability for any fraudulent statement or act.

20. Third Party Rights

A person who is not a Party to the Contract shall have no rights under the Contract pursuant to the Contracts (Rights of Third Parties) Act 1999.

21. Law and Jurisdiction

21.1 These Terms and Conditions and the Contract (including any non-contractual disputes or claims arising therefrom or associated therewith) shall be governed by, and construed in accordance with, the laws of England and Wales.

21.2 Any dispute, controversy, proceedings or claim between the Parties relating to these Terms and Conditions or to the Contract (including any non-contractual disputes or claims and obligations arising therefrom or associated therewith) shall fall exclusively within the jurisdiction of the courts of England and Wales.

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