



Power cable accessories catalogue



Jointing Tech



THE POWER TO DELIVER



Capability | Your connection point

Staying up to date with the latest network approval documents can be time consuming and complicated.

That's why the Jointing Tech team are on hand to do it for you, saving you time and money on your specialist power projects.

We have an up to date library of product approvals across the power transmission and distribution sectors, drawing on information from the DNO G81 documents, National Grid Asset Codes and Network Rail PADS approvals.

Jointing Tech are the single source for all your LV/MV and HV power cable and accessory materials.

Get in touch today to find out how we can help with your next project!

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THE POWER TO DELIVER

Foreword

As in previous years we again see changes throughout the generation, transmission, and distribution of electricity in the UK that affect us all.

Within the renewables sector the rapid growth of solar power has declined due to the change in tariff support. However, from this downturn new technology and opportunities have arisen with the demand for battery storage to help balance the power being fed into the National Grid.

In the rail sector the demand for extra passenger and freight capacity requires a corresponding increase in power distribution in both AC and DC applications as evidenced with large projects such as West Coast Mainline, South East PSU and of course Crossrail.

Electricity distribution is also undergoing a radical change with the growth of IDNO's and ICP's challenging the traditional DNO market. M&E contractors are also benefiting from the increase in residential, commercial and industrial developments and huge projects such as Hinkley Point C.

All the above offer major opportunities for companies willing to invest in products, staff and technical expertise to service a demanding customer base and Jointing Tech are proud to be at the forefront in meeting all these challenges.

We understand our clients deserve the best service we can offer, whether by supplying the correct product from industry leading manufacturers, providing comprehensive technical support with a fully equipped training centre or with a nationwide next day delivery service.

Jointing Tech, as the UK's leading specialist power cable and accessories distributor, as well as the associate companies within our Group, are here to help you achieve your goals and we look forward to being part of your future success.



Adam Lloyd
Managing Director



Jointing Tech | Partner Companies



Langley Engineering

Langley Engineering are suppliers of medium voltage distribution equipment and accessories to the electrical distribution industry both in the UK and overseas.

Langley supply pad-mounted transformers, pole-top transformers, voltage regulators, CPS separable connectors, test leads and accessories throughout the utilities industries.

As sole UK agency partner for Eaton Cooper Power Systems they offer a fully integrated, turnkey solution in the power generation, transmission and distribution environments.

The dedicated, knowledgeable team at Langley have more than 200 years' experience between them in the transformer, switchgear and separable connector markets and are on hand to help.

For further details visit the Langley Engineering website at: www.langleyengineering.co.uk



Jointing Tech - Trace Heating Tech

Trace Heating Tech are the UK's largest distributor for Raychem trace heating products.

With more than 25 years' experience within the industry we offer design, supply and installation packages irrespective of project size.

Jointing Tech – Trace Heating Tech are proud to support some of the UK's largest M&E and insulation contractors along with consultants and various other engineers on the most prestigious and innovative projects throughout the UK and Europe.

As a trusted market leader in commercial and industrial Trace Heating with leak detection and electric underfloor heating adding to the packages available.

If you would like to know more about Trace Heating Tech and their vast product range and services please visit: www.traceheatingtech.co.uk

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From Scotland to Southampton,

Carlisle to Croydon,

Newcastle to Newquay

and everywhere in between

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offer same day
dispatch on
stock orders
received by
4pm.



Cable Glands

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Single Core Armoured Cable Recommendations XLPE/AWA/PVC – 600/1000 Volt Copper Conductors

Product	Copper Conductor Size mm ²												
	50	70	95	120	150	185	240	300	400	500	630	800	1000
Brass Stuffing Gland Size A1/A2	32	32	40	40	40	40	50S	50	50	63S	63S	75S	75
Aluminium Gland Size GACW	25	25	25	25	32	32	40	40	50S	50	50	63	63

Single Core Unarmoured Cable Recommendations XLPE/PVC – 600/1000 Volt Copper Conductors

Product	Copper Conductor Size mm ²												
	50	70	95	120	150	185	240	300	400	500	630	800	1000
Brass Stuffing Gland Size A1/A2	25	25	25	32	32	32	40	40	50S	50	50	63S	63

Nylon Stuffing Glands

FEATURES

- Designed to provide sealing and retention with unarmoured cables
- Suitable for indoor and outdoor use
- Manufactured from Polyamide PA6.6
- Sealing ring manufactured from Neoprene 50 sh A
- Available in black as standard and light grey and dark grey on request
- Temperature range -20°C to + 90°C
- Flammability rating UL 94 - V2
- IP68 rated

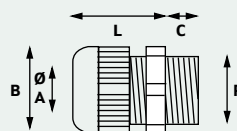


Indoor/outdoor for
unarmoured cables

Part number	Size	Diameter Range
A2 Nylon 16	16	5-10mm
A2 Nylon 20	20	7-13mm
A2 Nylon 25	25	10-17mm
A2 Nylon 32	32	13-21mm

Part number	Size	Diameter Range
A2 Nylon 40	40	19-28mm
A2 Nylon 50	50	27-35mm
A2 Nylon 63	63	34-45mm

Gland Details



Size	P	Fixing Hole Diameter mm	Diameter A Min-Max mm	B Spanner mm	C mm	L Min-Max mm
16	M16 x 1.5	16.5	5-10	19	8	22-27
20	M20 x 1.5	20.5	7-13	25	9	24-30
25	M25 x 1.5	25.4	10-17	30	10	28-39
32	M32 x 1.5	32.5	13-21	36	10	33-44
40	M40 x 1.5	40.5	19-28	46	10	36-45
50	M50 x 1.5	50.5	27-35	55	12	43-52
63	M63 x 1.5	64.0	34-45	66	12	45-55

A2 - Brass Glands



Indoor/outdoor for unarmoured cables

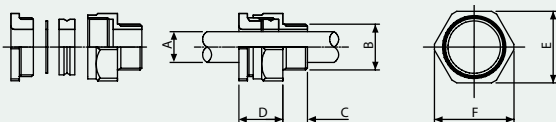
FEATURES

- Brass indoor and outdoor cable gland and accessories
- For circular, unarmoured plastic or rubber sheathed cables
- Suitable for most climatic conditions, weatherproof and waterproof
- Kit comprises: A1/A2 gland, brass locknut and shroud
- Available in LSF version
- EN 50262
- BS 6121:Pt 1:1989
- Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
- Service temperature -20°C to +90°C
- CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance

Part number		Size
Standard	LSF	
A1/A2 20SS	A1/A2 20SS LSF	20SS
A1/A2 20S	A1/A2 20S LSF	20S
A1/A2 20	A1/A2 20 LSF	20
A1/A2 25	A1/A2 25 LSF	25
A1/A2 32	A1/A2 32 LSF	32
A1/A2 40	A1/A2 40 LSF	40

Part number		Size
Standard	LSF	
A1/A2 50S	A1/A2 50S LSF	50S
A1/A2 50	A1/A2 50 LSF	50
A1/A2 63S	A1/A2 63S LSF	63S
A1/A2 63	A1/A2 63 LSF	63
A1/A2 75S	A1/A2 75S LSF	75S
A1/A2 75	A1/A2 75 LSF	75

Gland Details



Size	Cable Dimensions mm Overall Diameter A		Gland Dimensions mm				
			Entry Thread		Approx. Length from Shoulder D	Hexagon Size	
	Min	Max	Size B	Length C		Across Flats E	Across Corners F
20SS	3.5	8.5	M20×1.5	10	20	22.0	24.9
20S	8.0	11.5	M20×1.5	10	22	22.0	24.9
20	11.0	13.5	M20×1.5	10	22	24.0	26.8
25	13.0	19.5	M25×1.5	10	25	30.5	34.0
32	19.0	25.5	M32×1.5	10	25	42.4	48.0
40	25.0	32.0	M40×1.5	15	33	47.2	53.6
50S	31.5	37.0	M50×1.5	15	30	55.0	60.0
50	36.5	43.0	M50×1.5	15	30	56.4	61.5
63S	42.5	50.0	M63×1.5	15	34	70.1	77.2
63	49.5	55.0	M63×1.5	15	32	75.0	83.0
75S	54.5	61.0	M75×1.5	15	32	80.0	87.4
75	60.5	67.0	M75×1.5	15	40	85.0	95.0

Please refer to product selection table on page 38 to size product relative to cable type

BW Gland Kit - Indoor Use

FEATURES

- Brass indoor gland and accessories
- For galvanized-steel single-wire armour plastic or rubber sheathed cables
- For use in dry, dust free, situations
- Provides mechanical retention and electrical continuity via armour locking mechanism
- Kit comprises: BW gland, brass earth tag, zinc plated steel locknut and shroud
- Available in LSF version
- EN 50262
- BS 6121:Pt 1 :1989
- CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance
- Service temperature range -20°C to +90°C

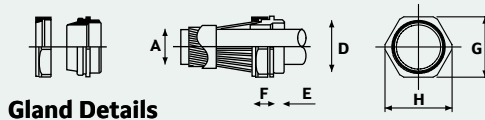


Indoor type for SWA cable

Part number		Size
Standard	LSF	
BW20S	BW20S LSF	20S
BW20	BW20 LSF	20
BW25	BW25 LSF	25
BW32	BW32 LSF	32
BW40	BW40 LSF	40

Part number		Size
Standard	LSF	
BW50	BW50 LSF	50
BW63	BW63 LSF	63
BW75S	BW75S LSF	75S
BW75	BW75 LSF	75

Gland Details



Gland Details

Size	Cable Dimensions mm	Gland Dimensions mm				
		Entry Thread		Approx. Length from Shoulder F	Hexagon Size	
		Size D	Length E		Across Flats G	Across Corners H
20S	11.6	M20×1.5	10	24	22.0	24.9
20	13.9	M20×1.5	10	25	27.0	30.5
25	19.9	M25×1.5	10	26	32.9	36.8
32	26.2	M32×1.5	10	28	42.4	47.8
40	32.1	M40×1.5	15	25	50.0	57.0
50	44.0	M50×1.5	15	36	70.1	77.2
63	55.9	M63×1.5	15	30	80.0	87.4
75S	61.9	M75×1.5	15	40	85.0	95.0
75	67.9	M75×1.5	15	40	98.8	109.2

CW Gland Kit - Outdoor Use



Indoor/outdoor type for SWA cable

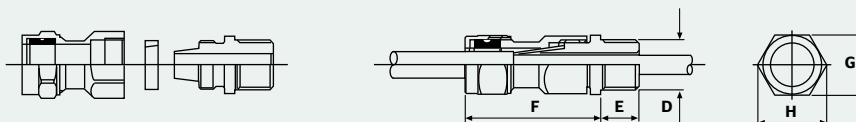
FEATURES

- Brass indoor and outdoor cable gland and accessories
- For circular, galvanized-steel single-wire-armour plastic or rubber sheathed cables
- Outer seal grips sheath of cable
- For use in most climatic conditions, weatherproof and waterproof
- Three part armour lock with separate armour locking ring, ideal for checking electrical continuity
- Kit comprises: CW gland, brass earth tag, zinc plated steel locknut and shroud
- Available in LSF version
- EN 50262
- BS 6121:Pt 1:1989
- Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
- Service temperature range -20°C to +90°C
- CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance

Part number		Size
Standard	LSF	
CW20SS	CW20SS LSF	20SS
CW20S	CW20S LSF	20S
CW20	CW20 LSF	20
CW25	CW25 LSF	25
CW32	CW32 LSF	32
CW40	CW40 LSF	40

Part number		Size
Standard	LSF	
CW50S	CW50S LSF	50S
CW50	CW50 LSF	50
CW63	CW63 LSF	63
CW75	CW75 LSF	75
CW85	CW85 LSF	85

Gland Details



Size	Cable Dimensions mm				Gland Dimensions mm				
	Under Armour Diameter Max	Overall Diameter		Armour Wire Diameter	Entry Thread		Approx. Length from Shoulder F	Hexagon Size	
		Min	Max		Size D	Length E		Across Flats G	Across Corners H
20SS	8.6	8.0	13.2	0.9	M20×1.5	10	44	23.4	26.7
20S	11.6	8.0	15.8	0.9	M20×1.5	10	46	25.7	29.2
20	13.9	11.7	20.8	0.9/1.25	M20×1.5	10	46	30.5	34.0
25	19.9	17.0	27.2	1.25/1.6	M25×1.5	10	51	37.6	42.2
32	26.2	23.5	33.5	1.6/2.0	M32×1.5	10	56	47.3	53.6
40	32.1	29.0	39.9	1.6/2.0	M40×1.5	15	59	56.4	61.5
50S	38.1	38.0	46.2	2.0/2.5	M50×1.5	15	64	65.5	72.1
50	44.0	39.5	52.6	2.0/2.5	M50×1.5	15	64	70.1	77.2
63	55.9	51.3	65.3	2.5	M63×1.5	15	67	80.0	87.4
75	67.9	62.5	78.0	2.5	M75×1.5	15	76	98.8	109.2
85	74.0	68.0	88.0	3.15	M85×2	20	110	115.0	126.0

Please refer to product selection table on page 38 to size product relative to cable type

CW Aluminium Gland Kit

FEATURES

- Aluminium indoor and outdoor cable gland and accessories
- For circular, aluminium single-wire-armour plastic or rubber sheathed cables
- Outer seal grips sheath of cable
- For use in most climatic conditions, weatherproof and waterproof
- Three part armour lock with separate armour locking ring, ideal for checking electrical continuity
- Kit comprises: CW aluminium gland, aluminium earth tag, aluminium locknut and shroud
- Available in LSF version
- EN 50262
- BS 6121:Pt 1:1989
- Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
- Service temperature range -20°C to +90°C
- 6082 extruded aluminium alloy used for guaranteed strength and performance

BDI con

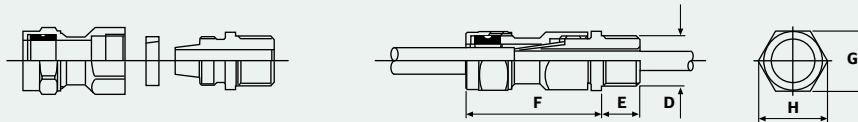


Indoor/outdoor type for aluminium wire armoured cable

Part number		Size
Standard	LSF	
GACW20S	GACW20SLSF	20S
GACW20	GACW20LSF	20
GACW25	GACW25LSF	25
GACW32	GACW32LSF	32
GACW40	GACW40LSF	40

Part number		Size
Standard	LSF	
GACW50S	GACW50SLSF	50S
GACW50	GACW50LSF	50
GACW63	GACW63LSF	63
GACW75	GACW75LSF	75

Gland Details



Size	Cable Dimensions mm				Gland Dimensions mm				
	Under Armour Diameter Max	Overall Diameter		Armour Wire Diameter	Entry Thread		Approx. Length from Shoulder F	Hexagon Size	
		Min	Max		Size D	Length E		Across Flats G	Across Corners H
20	13.9	11.7	20.8	0.9/1.25	M20×1.5	10	46	30.5	34.0
25	19.9	17.0	27.2	1.25/1.6	M25×1.5	10	51	37.6	42.2
32	26.2	23.5	33.5	1.6/2.0	M32×1.5	10	56	47.3	53.6
40	32.1	29.0	39.9	1.6/2.0	M40×1.5	15	59	56.4	61.5
50S	38.1	38.0	46.2	2.0/2.5	M50×1.5	15	64	65.5	72.1
50	44.0	39.5	52.6	2.0/2.5	M50×1.5	15	64	70.1	77.2
63	55.9	51.3	65.3	2.5	M63×1.5	15	67	80.0	87.4
75	67.9	62.5	78.0	2.5	M75×1.5	15	76	98.8	109.2

Please refer to product selection table on page 38 to size product relative to cable type

E1W Brass Gland Kit



Indoor/outdoor
weatherproof for SWA
cables

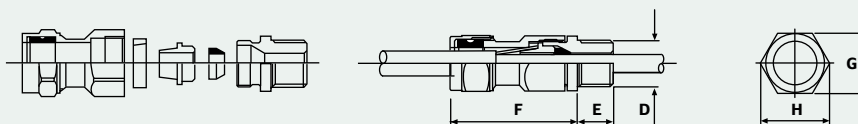
FEATURES

- Brass indoor and outdoor cable gland and accessories
- For circular plastic or rubber sheathed cables with extruded bedding
- Outer seal grips sheath of cable
- Inner seal grips bedding layer of cable
- For use in most climatic conditions, weatherproof and waterproof
- Three part armour lock with separate armour locking ring, ideal for checking electrical continuity
- Kit comprises: E1W gland, brass earth tag, zinc plated steel locknut and shroud
- Available in LSF version
- EN 50262
- BS 6121:Pt 1:1989
- Inner and outer seal rated to IP66
- Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
- Service temperature range -20°C to +90°C
- CuZn39Pb3 extruded brass alloy used for guaranteed strength and performance

Part number		Size
Standard	LSF	
E1W20SS	E1WLSF20SS	20SS
E1W20S	E1WLSF20S	20S
E1W20	E1WLSF20	20
E1W25	E1WLSF25	25
E1W32	E1WLSF32	32
E1W40	E1WLSF40	40

Part number		Size
Standard	LSF	
E1W50S	E1WLSF50S	50S
E1W50	E1WLSF50	50
E1W63S	E1WLSF63S	63S
E1W63	E1WLSF63	63
E1W75S	E1WLSF75S	75S
E1W75	E1WLSF75	75

Gland Details



Size	Cable Dimensions mm					Gland Dimensions mm				
	Under Armour Diameter Max		Overall Diameter		Armour Wire Diameter	Entry Thread		Approx. Length from Shoulder F	Hexagon Size	
	Min	Max	Min	Max		Size D	Length E		Across Flats G	Across Corners H
20SS	6.3	8.6	8.0	13.2	0.9	M20×1.5	15	44	23.4	26.7
20S	8.7	11.6	8.0	15.8	0.9/1.25	M20×1.5	15	46	25.7	29.2
20	11.7	13.9	11.7	20.8	0.9/1.25	M20×1.5	15	46	30.5	34.0
25	13.0	19.9	17.0	27.2	1.25/1.6	M25×1.5	15	51	37.6	42.2
32	20.0	26.2	23.5	33.5	1.6/2.0	M32×1.5	15	56	47.3	53.6
40	26.3	32.1	29.0	39.9	1.6/2.0	M40×1.5	15	59	56.4	61.5
50S	32.2	38.1	38.0	46.2	2.0/2.5	M50×1.5	15	64	60.0	66.0
50	38.2	44.0	39.5	52.6	2.0/2.5	M50×1.5	15	64	70.1	77.2
63S	44.1	50.0	50.0	58.9	2.5	M63×1.5	15	67	75.0	83.0
63	50.1	55.9	51.3	65.3	2.5	M63×1.5	15	67	80.0	87.4
75S	56.0	61.9	62.0	71.6	2.5	M75×1.5	15	76	90.2	99.1
75	62.0	67.9	62.5	78.0	2.5	M75×1.5	15	76	98.8	109.2

Please refer to product selection table on page 38 to size product relative to cable type

CW Brass Gland with Integral Earth

FEATURES

- Brass indoor and outdoor cable gland with earth bonding connection
- Suitable for circular galvanised steel single wire armoured, plastic or rubber sheathed cables
- Outer seal grips sheath of cable
- For use in most climatic conditions, weatherproof and waterproof
- Three part armour lock with separate armour locking ring
- Kit comprises CW brass gland with integral earth & locknut
- For use in high fault current applications
- EN 50262
- Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
- Service temperature range -20°C to +90°C
- Integral earth connection complies with GDCD 190 Category A (43.3kA for 1 second)

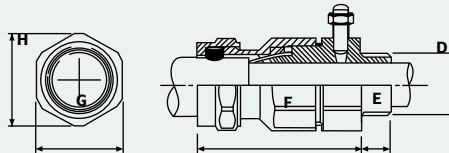


For steel wire armour cable

Part number	Size
CWCIEL20S	20S
CWCIEL20	20
CWCIEL25	25
CWCIEL32	32
CWCIEL40	40

Part number	Size
CWCIEL50	50
CWCIEL63	63
CWCIEL75	75
CWCIEL85	85

Gland Details



Size	Cable Dimensions accommodated mm					Gland Dimensions mm				
	Under Armour Diameter Max		Overall Diameter		Armour Wire Diameter	Entry Thread		Approx. Length from Shoulder F	Hexagon Size	
	Min	Max	Min	Max		Size D	Length E		Across Flats G	Across Corners H
20S	-	11.6	8.0	15.8	0.9/1.25	M20×1.5	10	56	30.5	34.0
20	-	13.9	11.7	20.8	0.9/1.25	M20×1.5	10	56	30.5	34.0
25	-	19.9	17.0	27.2	1.25/1.6	M25×1.5	10	63	42.4	48.0
32	-	26.2	23.5	33.5	1.6/2.0	M32×1.5	10	73	56.4	61.5
40	-	32.1	29.0	39.9	1.6/2.0	M40×1.5	15	77	56.4	61.5
50	-	44.0	39.5	52.6	2.0/2.5	M50×1.5	15	84	70.1	77.2
63	-	55.9	51.3	65.3	2.5	M63×1.5	15	84	90.1	100.0
75	-	67.9	62.5	78.0	2.5	M75×1.5	15	94	106.2	117.0
85	-	74.0	68.0	88.0	3.15	M85×2	20	125	115.0	126.0

CW Aluminium Gland with Integral Earth



**For aluminium wire
armour cable**

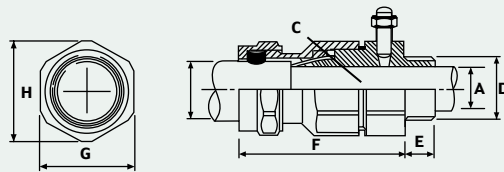
FEATURES

- Aluminium indoor and outdoor cable gland with earth bonding connection
- Suitable for circular aluminium single wire armoured, plastic or rubber sheathed cables
- Outer seal grips sheath of cable
- For use in most climatic conditions, weatherproof and waterproof
- Three part armour lock with separate armour locking ring
- Kit comprises CW aluminium gland with integral earth and locknut
- For use in high fault current applications
- EN 50262
- Gland rated to IP66 with use of suitable sealing washer or thread sealant at gland interface
- Service temperature range -20°C to +90°C
- Integral earth connection complies with GDCD 190 Category A (43.3kA for 1 second)

Part number	Size
GACWCIEL32	32
GACWCIEL40	40
GACWCIEL50	50

Part number	Size
GACWCIEL63	63
GACWCIEL75	75

Gland Details



Size	Cable Dimensions accommodated mm					Gland Dimensions mm				
	Under Armour Diameter A Max		Overall Diameter B		Armour Wire Diameter C	Entry Thread		Approx. Length from Shoulder F	Hexagon Size	
	Min	Max	Min	Max		Size D	Length E		Across Flats G	Across Corners H
32	-	26.2	23.5	33.5	1.6/2.0	M32×1.5	10	73	56.4	61.5
40	-	32.1	29.0	39.9	1.6/2.0	M40×1.5	15	77	56.4	63.2
50	-	44.0	39.5	52.6	2.0/2.5	M50×1.5	15	84	70.1	77.2
63	-	55.9	51.3	65.3	2.5	M63×1.5	15	84	90.2	99.1
75	-	67.9	62.5	78.0	2.5	M75×1.5	15	94	106.2	117.0

Insulated Adaptor

FEATURES

- Used where the enclosure is not relied upon for bonding the cable to the earth, for example:
- To prevent the heating effects of circulating currents
- To segregate low voltage and high voltage earth fault paths
- Impact resistance: 7 Joules
- Ambient Temperature: -50°C to +85°C
- Material: Brass (481AA - Series) or Aluminium (481AL - Series)
- Insulator: 30% glass filled nylon 12
- Certified: EExd IIC for hazardous area applications

BICon



Part number	Size
481AA53	20
481AA55	25
481AA56	32
481AA57	40

Part number	Size
481AA59	50
481AA61	63
481AA63	75

Insulated Adaptor Details

Reference Number	Equipment Thread Size	Hex A/F	Hex A/C	Total Length	Male Length	Female Depth	Bore
481AA 53	M20	30.5	35.5	54.0	16.0	17.0	13.5
481AA 55	M25	37.6	43.2	54.0	16.0	17.0	19.0
481AA 56	M32	47.2	54.3	54.0	16.0	17.0	25.0
481AA 57	M40	55.9	64.1	54.0	16.0	17.0	30.0
481AA 59	M50	70.1	80.8	54.0	16.0	17.0	40.5
481AA 61	M63	80.0	92.0	54.0	16.0	17.0	53.0
481AA 63	M75	95.3	109.5	54.0	16.0	17.0	65.0

Reducers

FEATURES

- Problems caused by dissimilar threads can occur in both hazardous and industrial environments
- Reducers provide a means of connection between dissimilar thread sizes
- Effectively reduces the threaded entry diameter of an enclosure to accept a gland or fitting with a smaller thread. Reducers may also be supplied to accept smaller glands of alternative threads forms
- EExd and EExe certified as ATEX, CSA, IECE and GOST Standards



EExd & EExe Reducers

Part number	Male Thread	Female Thread
MR2016	M20	M16
MR2520	M25	M20
MR3220	M32	M20
MR3225	M32	M25
MR4025	M40	M25

Part number	Male Thread	Female Thread
MR4032	M40	M32
MR5032	M50	M32
MR5040	M50	M40
MR6350	M63	M50

Also available in other sizes and stainless steel, aluminium or nylon

Brass & Aluminium Earth Tags



FEATURES

- Ensures earth continuity is maintained between the gland and the equipment
- Aluminium earth tags should be used with aluminium glands

Part number		Size
Brass	Aluminium	
428ET51	458ET51	16
428ET53	458ET53	20
428ET55	458ET55	25
428ET56	458ET56	32
428ET57	458ET57	40

Part number		Size
Brass	Aluminium	
428ET59	458ET59	50
428ET61	458ET61	63
428ET63	458ET63	75
428ET65	458ET65	85/90

Brass, Steel & Aluminium Locknuts



FEATURES

- Used to secure cable gland to the equipment where entry hole is not tapped
- Brass backnuts recommended for most corrosive environments
- Aluminium backnuts should be used with aluminium glands
- Steel locknuts are primarily for dry, low humidity environments

Part number			Size
Brass	Steel	Aluminium	
429AA51	439AA51	459AA51	16
429AA53	439AA53	459AA53	20
429AA55	439AA55	459AA55	25
429AA56	439AA56	459AA56	32
429AA57	439AA57	459AA57	40

Part number			Size
Brass	Steel	Aluminium	
429AA59	439AA59	459AA59	50
429AA61	439AA61	459AA61	63
429AA63	439AA63	459AA63	75
429AA69	439AA69	459AA69	85

Sealing Washers



FEATURES

- High performance sealing washers
- Improves the IP rating between the gland and the equipment.
- Fibre to BS6091 Pt1
- Nylon 6.6

Part number		Size
Fibre	Nylon	
41702-53	25111-003	20
41702-55	25111-005	25
41702-56	25111-006	32
41702-57	25111-007	40
41702-59	25111-009	50

Part number		Size
Fibre	Nylon	
41702-61	25111-011	63
41702-63	25111-013	75
41702-64	25111-014	85
41702-65	25111-015	90

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Jointing Tech is a specialist electrical distributor supplying a full range of power cable and accessories into the renewable energy sector.

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- Distribution Transformers
- Switchgear
- Earthing (inc HDC Cable)
- MV Joints
- MV Terminations
- MV Power Cable
- Earthing Design
- Installation
- Lugs & Connectors
- Tool Hire & Sales

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THE POWER TO DELIVER

Cable Lugs and Connectors

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Ring Terminals

FEATURES

- Pre-insulated halogen free ring type terminal with funnel entry

Part number	Colour	Hole Size	Conductor Size
RF-M	Red	3, 3.5, 4, 5, 6, 8, 10, 12mm	0.25-1.5mm ²
BF-M	Blue	3, 3.5, 4, 5, 6, 8, 10, 12mm	1.5-2.5mm ²
GF-M	Yellow	3.5, 4, 5, 6, 8, 10, 12mm	4-6mm ²



Butt Connectors

FEATURES

- Pre-insulated straight connectors with funnel entry

Part number	Colour	Conductor Size
PL03-M	Red	0.25-1.5mm ²
PL06-M	Blue	1.5-2.5mm ²
PL1-M	Yellow	4-6mm ²



Pin Terminals

FEATURES

- Pre insulated halogen free pin type terminal with funnel entry

Part number	Colour	Pin Length	Conductor Size
RF-P	Red	8, 10, 12mm	0.25-1.5mm ²
BF-P	Blue	8, 10, 12mm	1.5-2.5mm ²
GF-P	Yellow	10, 12, 14mm	4-6mm ²



Blade Terminals

FEATURES

- Pre insulated halogen free blade type terminal with funnel entry

Part number	Colour	Blade Length	Conductor Size
RF-PP	Red	13, 17mm	0.25-1.5mm ²
BF-PP	Blue	13, 17mm	1.5-2.5mm ²
GF-PP	Yellow	13, 17mm	4-6mm ²



Also available in this range are Fork terminals, male and female disconnect and end sleeves.

LV Copper Lugs



FEATURES

- Designed to be crimped on to a conductor to facilitate the termination of the cable via the lug hole
- Copper lugs are electrolytically tin plated to avoid oxidation
- Each terminal has a sight hole for visual inspection of the conductor inserted
- 1000V Rated

LV copper tube crimping lugs

Part number	Hole Size	Conductor Size
A03-M	3.5, 4, 5, 6mm	1.5mm ²
A06-M	3.5, 4, 5, 6, 8mm	2.5mm ²
A1-M	3.5, 4, 5, 6, 8mm	4-6mm ²
A2-M	3, 4, 5, 6, 8, 10mm	10mm ²
A3-M	4, 5, 6, 8, 10, 12mm	16mm ²
A5-M	4, 5, 6, 8, 10, 12mm	25mm ²
A7-M	5, 6, 8, 10, 12mm	35mm ²
A10-M	6, 8, 10, 12, 14, 16mm	50mm ²
A14-M	6, 8, 10, 12, 14, 16mm	70mm ²
A19-M	8, 10, 12, 14, 16, 20mm	95mm ²

Part number	Hole Size	Conductor Size
A24-M	8, 10, 12, 14, 16, 20mm	120mm ²
A30-M	8, 10, 12, 14, 16, 20mm	150mm ²
A37-M	8, 10, 12, 14, 16, 20mm	185mm ²
A48-M	10, 12, 14, 16, 20mm	240mm ²
A60-M	10, 12, 14, 16, 20mm	300mm ²
A80-M	12, 16, 20mm	400mm ²
A100-M	16, 20mm	500mm ²
A120-M	16, 20mm	630mm ²
A160-M	16, 20mm	800mm ²
A200-M	16, 20mm	1000mm ²

LV Narrow Palm Copper Lugs



FEATURES

- Designed to be crimped onto a conductor to facilitate the termination of the cable via the lug hole in tight spaces and reduced space terminal blocks
- Copper lugs are electrolytically tin plated to avoid oxidation
- Each terminal has a sight hole for visual inspection of the conductor inserted
- Please refer to our tooling and equipment section on page 212 for dies and tooling
- 1000V Rated
- Tested to BS EN 61238

LV narrow palm copper tube crimping lugs

Part number	Palm Width	Hole Size	Conductor Size
BTN10-M	9mm	5mm	10mm ²
BTN16-M	9mm	5mm	16mm ²
BTN25-M	9mm	5mm	25mm ²
BTN35-M	11.5mm	6mm	35mm ²
BTN50-M	11.5mm	6mm	50mm ²
BTN70-M	11.5mm	6mm	70mm ²

Part number	Palm Width	Hole Size	Conductor Size
BTN95-M	15.5mm	8mm	95mm ²
BTN120-M	19mm	8, 10mm	120mm ²
BTN150-M	19mm	8, 10mm	150mm ²
BTN185-M	24.5mm	10mm	185mm ²
BTN240-M	31mm	10, 12, 16mm	240mm ²
BTN300-M	31mm	10, 12mm	300mm ²

LV 2 Bolt Copper Lugs

FEATURES

- Designed to facilitate the termination of the cable via two lug holes
- 1000V Rated
- Tested to BS EN 61238



LV 2 bolt copper tube crimping lugs

Part number	Hole Size	Conductor Size
A24-2M8	2 x 8mm	120mm ²
A30-2M12	2 x 12mm	150mm ²
A37-2M12	2 x 12mm	185mm ²
A48-2M12	2 x 12mm	240mm ²
A60-2M12	2 x 12mm	300mm ²

Part number	Hole Size	Conductor Size
A80-2M12	2 x 12mm	400mm ²
A100-2M12	2 x 12mm	500mm ²
A120-2M12	2 x 12mm	630mm ²
A160-2M12	2 x 12mm	800mm ²

LV Copper Pin Terminal

FEATURES

- Designed to be crimped to reduce conductor size for termination into contact blocks
- 1000V Rated
- Tested to BS EN 12449



LV copper reducing pin terminal

Part number	Pin Diameter	Conductor Size
L10PIN	3.8mm	10mm ²
L16PIN	3.7mm	16mm ²
L25PIN	5mm	25mm ²
L35PIN	5mm	35mm ²
L50PIN	7.5mm	50mm ²
L70PIN	8mm	70mm ²
L95PIN	8mm	95mm ²

Part number	Pin Diameter	Conductor Size
L120PIN	10mm	120mm ²
L150PIN	10mm	150mm ²
L185PIN	14mm	185mm ²
L240PIN	14mm	240mm ²
L300PIN	16mm	300mm ²
L400PIN	16mm	400mm ²

LV 4 Bolt Copper Lugs

FEATURES

- Designed to facilitate the termination of a cable on to a transformer
- 1000V Rated
- Tested to BS EN 61238



LV 4 bolt fixing transformer lugs

Part number	Hole Size	Conductor Size
A37-4ESI	4 x 8mm	185mm ²
A48-4ESI	4 x 8mm	240mm ²
A60-4ESI	4 x 8mm	300mm ²
A80-4ESI	4 x 8mm	400mm ²

Part number	Hole Size	Conductor Size
A100-4ESI	4 x 8mm	500mm ²
A120-4ESI	4 x 8mm	630mm ²
A160-4ESI	4 x 8mm	800mm ²
A200-4ESI	4 x 8mm	1000mm ²

LV Copper Lugs - Angled 90°



LV copper tube crimping lugs angled at 90°

FEATURES

- Designed to be crimped on to a conductor to facilitate the termination of a cable where a 90° angle is required.
- Copper lugs are electrolytically tin plated to avoid oxidation
- Cembre lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors that will have to withstand the severe deformation arising when compressed and any bending of the palm during installation
- 1000V Rated
- Tested to BS EN 61238

Part number	Hole Size	Conductor Size
LR50-M	6, 8, 10, 12mm	50mm ²
LR70-M	8, 10, 12mm	70mm ²
LR95-M	8, 10, 12mm	95mm ²
LR120-M	10, 12mm	120mm ²

Part number	Hole Size	Conductor Size
LR150-M	10, 12mm	150mm ²
LR185-M	10, 12mm	185mm ²
LR240-M	12mm	240mm ²
LR300-M	12mm	300mm ²

LV Copper Splices



LV copper crimp splices

FEATURES

- Designed to be crimped onto same size conductors to connect and create a straight connection
- Features an internal taper at both ends to ease the introduction of the conductor and a central stop to ensure correct positioning
- Electrolytically tin plated with minimum thickness of 3µm to avoid oxidation
- 1000V Rated
- Tested to BS EN 61238

Part number	Conductor Size
L03-M	1.5mm ²
L06-M	2.5mm ²
L1-M	4-6mm ²
L2-M	10mm ²
L3-M	16mm ²
L5-M	25mm ²
L7-M	35mm ²
L10-M	50mm ²
L14-M	70mm ²
L19-M	95mm ²

Part number	Conductor Size
L24-M	120mm ²
L30-M	150mm ²
L37-M	185mm ²
L48-M	240mm ²
L60-M	300mm ²
L80-M	400mm ²
L100-M	500mm ²
L120-M	630mm ²
L160-M	800mm ²
L200-M	1000mm ²

LV Aluminium Lugs

FEATURES

- Designed to be crimped on to a conductor to facilitate the termination of the cable via the lug hole
- Aluminium lugs are made from 99.5% pure aluminium
- Barrels are capped and filled with grease so as to avoid oxidation of the aluminium
- Non-circular conductors may require pre-rounding prior to the introduction to the terminal
- Increased barrel length and internal taper to ease the introduction of the conductor
- 1000V Rated
- Tested to BS EN 61238



LV aluminium tube crimping lugs

Part number	Size	Conductor Size
AA16-M	8mm	16mm ²
AA25-M	8mm	25mm ²
AA35-M	8, 10mm	35mm ²
AA50-M	12, 14mm	50mm ²
AA70-M	12, 14mm	70mm ²
AA95-M	12, 14mm	95mm ²

Part number	Size	Conductor Size
AA120-M	12, 14mm	120mm ²
AA150-M	12, 14mm	150mm ²
AA185-M	12, 14mm	185mm ²
AA240-M	12, 14mm	240mm ²
AA300-34-M	12, 14, 16mm	300mm ²

LV Aluminium Splices

FEATURES

- Designed to be crimped on to same size conductors to connect and create a straight connection
- Aluminium splices are made from 99.5% pure aluminium
- Features a solid stop which creates a barrier between the two conductors
- Barrels are capped and filled with grease so as to avoid oxidation of the aluminium
- Non-circular conductors may require pre-rounding prior to the introduction to the splice
- 1000V Rated
- Tested to BS EN 61238
- CE Approved



LV aluminium tube crimp splices

Part number	Conductor Size
MTMA10-GC	10mm ²
MTMA16-GC	16mm ²
MTMA25-GC	25mm ²
MTMA35-GC	35mm ²
MTMA50-GC	50mm ²
MTMA70-GC	70mm ²
MTMA95-GC	95mm ²

Part number	Conductor Size
MTMA120-GC	120mm ²
MTMA150-GC	150mm ²
MTMA185-GC	185mm ²
MTMA240-GC	240mm ²
MTMAD300-GC	300mm ²

LV Aluminium Mechanical Lugs



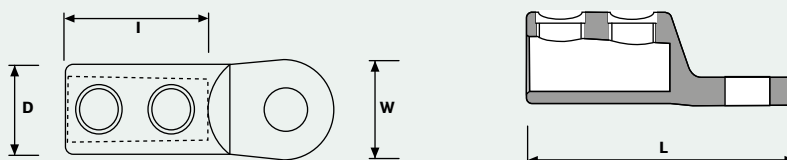
LV aluminium mechanical lugs for use on solid sectoral aluminium conductors

FEATURES

- Designed to be connected on to a conductor to facilitate the termination of the cable without the need for crimping
- Low torque shear head bolts
- Solid moisture block between palm and barrel
- Range taking
- Designed to meet BS 4579 Part 3 and Engineering Recommendation C79

Part number	Stud Size	Conductor Size
LVET120	12, 16mm	95-120mm ²
LVET185	12, 16mm	150-185mm ²
LVET300	12, 16mm	240-300mm ²

Mechanical Lugs Data



Part number	Dimensions mm				Spanner or Socket A/F
	L	I	D	W	
LVET120	86	40	28	32	13
LVET185	104	56	35	39	19
LVET300	116	56	41	43	19

LV Brass Mechanical Lugs



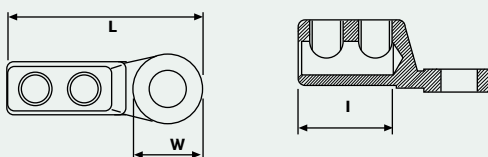
LV brass mechanical lugs for use on copper/aluminium conductors

FEATURES

- Designed to be connected on to a conductor to facilitate the termination of the cable without the need for crimping.
- Low torque shear head bolts.
- Blocked barrel to prevent water ingress
- Range taking
- Designed to meet BS 4579 and Engineering Recommendation C79

Part number	Stud Size	Conductor Size
BET35C	12mm	up to 35mm ²
BET60C	12, 16mm	up to 60mm ²
BET120C	10, 12, 16mm	up to 120mm ²

Mechanical Lugs Data



Part number	Dimensions mm			Maximum Conductor Size mm ²	Installation Tool
	L	I	W		
BET35C	55	25	20	35	3mm allen
BET60C	70	34	25	60	13mm socket
BET120C	86	46	28	120	16mm socket

LV Mechanical Connectors - Straight/Branch

FEATURES

- Designed to facilitate a simple inline connection between conductors without the need for crimping
- Shear bolt technology to ensure a good electrical connection
- Can be used as a transition connector between cables with different conductor constructions
- JP1 available with brass transitional gauze as option for copper conductors

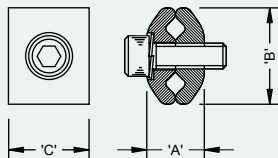


LV mechanical connector for inline joints

Part number	Manufacturer	Conductor Size
JP1	TE Connectivity	up to 35mm ²
MCB25	TE Connectivity	4-25mm ²
MCB50	TE Connectivity	4-50mm ²
MCB70	TE Connectivity	10-70mm ²
UST95	TE Connectivity	35-95mm ²

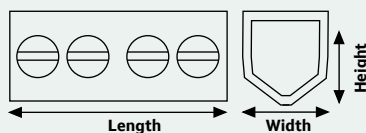
Part number	Manufacturer	Conductor Size
UST185	TE Connectivity	35-185mm ²
UST300	TE Connectivity	70-300mm ²
UBR95	TE Connectivity	16-95mm ²
UBR185	TE Connectivity	16-185mm ²
UBR300	TE Connectivity	95-300mm ²

JP1 Data



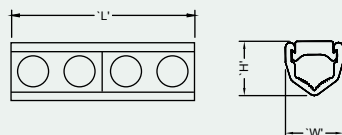
Reference	Dimensions mm		
	A	B	C
JP1	14.5	24	20

MCB Data



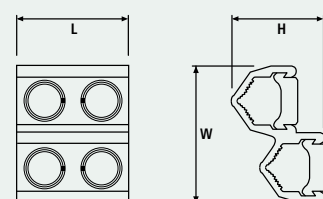
Reference	Dimensions mm		
	Length	Height	Width
MCB25	38	14	12
MCB50	45	16	14
MCB70	53	18	16

UST Data



Reference	Dimensions mm		
	L	H	W
UST95	80	25	25
UST185	108	32	34
UST300	108	36	40

UBR Data



Reference	Dimensions mm		
	Length	Height	Width
UBR95	40	36	49
UBR185	54	45	66
UBR300	54	52	77

MV Copper Lugs



MV copper tube crimping lugs

FEATURES

- Designed to be crimped on to a conductor to facilitate the termination of the cable via the lug hole
- Absence of inspection hold prevents ingress of moisture into crimp
- MV copper lugs are electrolytically tin plated to avoid oxidation
- MV copper lugs have a double length barrel for enhanced electrical & mechanical performance
- Please refer to our tooling and equipment section on page 212 for dies and tooling
- 33kV rated
- Tested to BS EN 61238
- UL Listed (up to 300mm²)
- DEF Standard 59-71 Approved

Part number	Size	Conductor Size
2A3-M	8, 10mm	16mm ²
2A5-M	8, 10, 12mm	25mm ²
2A7-M	8, 10, 12mm	35mm ²
2A10-M	10, 12, 14, 16mm	50mm ²
2A14-M	10, 12, 14, 16mm	70mm ²
2A19-M	10, 12, 14, 16, 20mm	95mm ²
2A24-M	10, 12, 14, 16, 20mm	120mm ²
2A30-M	10, 12, 14, 16, 20mm	150mm ²

Part number	Size	Conductor Size
2A37-M	12, 14, 16, 20mm	185mm ²
2A48-M	12, 14, 16, 20mm	240mm ²
2A60-M	12, 14, 16, 20mm	300mm ²
2A80-M	12, 14, 16, 20mm	400mm ²
2A100-M	16, 20mm	500mm ²
2A120-M	16, 20mm	630mm ²
2A160-M	20mm	800mm ²
2A200-M	20mm	1000mm ²

MV 2 Bolt Copper Lugs



MV 2 bolt copper tube crimping lugs

FEATURES

- Designed to be crimped on to a conductor to facilitate the termination of the cable via the two lug holes
- Absence of inspection hold prevents ingress of moisture into crimp
- MV copper lugs are electrolytically tin plated to avoid oxidation
- MV copper lugs have a double length barrel for enhanced electrical and mechanical performance
- Please refer to our tooling and equipment section on page 212 for dies and tooling
- 33kV rated
- Tested to BS EN 61238
- UL Listed (up to 300mm²)
- DEF Standard 59-71 Approved

Part number	Hole Size	Conductor Size
CA25-2M	8, 12mm	25mm ²
CA35-2M	12mm	35mm ²
CA50-2M	12mm	50mm ²
CA70-2M	12mm	70mm ²
CA95-2M	12mm	95mm ²
CA120-2M	12mm	120mm ²
CA150-2M	12mm	150mm ²

Part number	Hole Size	Conductor Size
CA185-2M	12mm	185mm ²
CA240-2M	12mm	240mm ²
CA300-2M	12mm	300mm ²
2A80-2M	12, 14, 16mm	400mm ²
2A100-2M	14, 16mm	500mm ²
2A120-2M	14, 16mm	630mm ²

MV Mechanical Lugs - 11-42kV

FEATURES

- Designed to be connected on to a conductor to facilitate the termination of the cable without the need for crimping
- High tensile tin plated aluminium alloy
- Shear bolt technology to ensure a good electrical connection
- Solid moisture block between palm and barrel
- Smooth profile prevents damage to insulation or sealing sleeves
- No elongation during installation
- Wide application range
- Compact design
- Larger sizes available on request.
- For solid copper and aluminium conductors please contact your nearest sales office
- 42kV Rated

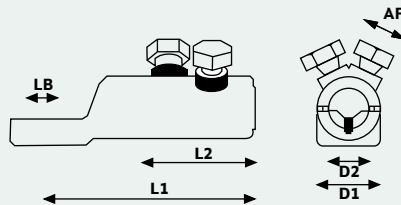


MV mechanical lug for copper & aluminium conductors

Part number	Stud Size	Conductor Type	Conductor Size
BLMT-25/95	12, 16mm	Cu / Ali	25-95mm ²
BLMT-35/150	12, 16mm	Cu / Ali	35-150mm ²
BLMT-95/240	12, 16mm	Cu / Ali	95-240mm ²
BLMT-120/300	12, 16mm	Cu / Ali	120-300mm ²

Part number	Stud Size	Conductor Type	Conductor Size
BLMT-185/400	12, 16, 20mm	Cu / Ali	185-400mm ²
BLMT-500/630	12, 16, 20mm	Cu / Ali	500-630mm ²
BLMT-800	20mm	Cu / Ali	800mm ²

Mechanical Lugs Data



Part number	Conductor Range mm ²	Hole Size mm LB	Dimensions mm				Contact bolts	
			L1	L2	D1	D2	Quantity	Head size AF mm
BLMT-25/95-13	25-95	13	60	30	24	12.8	1	13
BLMT-25/95-17	25-95	17	60	30	24	12.8	1	13
BLMT-35/150-13	35-150	13	86	35	28	15.8	1	17
BLMT-35/150-17	35-150	17	86	35	28	15.8	1	17
BLMT-95/240-13	95-240	13	112	60	33	20	2	19
BLMT-95/240-17	95-240	17	112	60	33	20	2	19
BLMT-120/300-13	120-300	13	115	65	37	24	2	22
BLMT-120/300-17	120-300	17	115	65	37	24	2	22
BLMT-185/400-13	185-400	13	138	80	42	25.5	3	22
BLMT-185/400-17	185-400	17	138	80	42	25.5	3	22
BLMT-185/400-21	185-400	21	138	80	42	25.5	3	22
BLMT-500/630-13	500-630	13	150	95	50	33	3	22
BLMT-500/630-17	500-630	17	150	95	50	33	3	22
BLMT-500/630-21	500-630	21	150	95	50	33	3	22
BLMT-800	800	20	202	120	56	36	4	27

MV Mechanical Lugs - up to 33kV



MV 2 bolt mechanical lug for copper & aluminium conductors

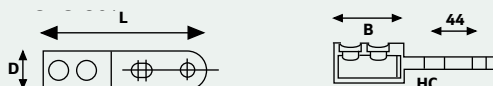
FEATURES

- Shear bolt technology to ensure a good electrical connection
- Solid moisture block between palm and barrel
- Smooth profile prevents damage to insulation or sealing sleeves
- Supplied with range taking bolts to cover multiple cable sizes
- Primarily used on copper conductors
- Designed to meet BS4579 Part 1
- 44mm hole centres
- All bolts use 19mm socket or spanner
- Indoor/outdoor applications

Part number	Hole Spacing	Conductor Type	Conductor Size
VETB21-OHUTB	44mm	Cu / Ali	50-185mm ²
VETB28-OHUTB	44mm	Cu / Ali	185-400mm ²

Part number	Hole Spacing	Conductor Type	Conductor Size
VETB33-OHUTB	44mm	Cu / Ali	400-630mm ²
VETB37-OHUTB	44mm	Cu / Ali	800mm ²

Mechanical Connectors Data



Part number	End Termination Dimensions mm					
	L	B	HC	Dia	Bore Depth	Palm Hole Dia
VETB21-OHUTB	148.5	62	25	21.0	59.5	13.0
VETB28-OHUTB	164	73	24.9	28.0	65.5	13.0
VETB33-OHUTB	157.5	70	25	33.5	65.5	13.0
VETB37-OHUTB	200	94	35	37.5	84.0	13.0

MV Copper Splices



MV copper tube crimping splices

FEATURES

- Designed to be crimped on to same size conductors to connect and create a straight connection
- MV copper splices are electrolytically tin plated to avoid oxidation
- MV copper splices have extended tube length for simplified crimping
- Please refer to our tooling and equipment section on page xxx-xxx for dies and tooling
- 33kV rated
- Tested to BS EN 61238
- UL Listed (up to 300mm²)
- DEF Standard 59-71 Approved

Part number	Conductor Size
MT16-TD	16mm ²
MT25-TD	25mm ²
MT35-TD	35mm ²
MT50-TD	50mm ²
MT70-TD	70mm ²
MT95-TD	95mm ²
MT120-TD	120mm ²

Part number	Conductor Size
MT150-TD	150mm ²
MT185-TD	185mm ²
MT240-TD	240mm ²
MT300-TD	300mm ²
MT400-TD	400mm ²
MT500-TD	500mm ²
MT630-TD	630mm ²

MV Copper Splices

FEATURES

- Designed to be crimped on to same size conductor to connect and create a straight connection
- MV copper splices are electrolytically tin plated to avoid oxidation
- MV copper splices have extended tube length for simplified crimping
- MT-GC range has a waterblock in the connectors which forms a barrier between the two conductors



**MV copper tube
waterblocked crimp
splices**

Part number	Conductor Size
MT25-GC	25mm ²
MT35-GC	35mm ²
MT50-GC	50mm ²
MT70-GC	70mm ²
MT95-GC	95mm ²
MT120-GC	120mm ²

Part number	Conductor Size
MT150-GC	150mm ²
MT185-GC	185mm ²
MT240-GC	240mm ²
MT300-GC	300mm ²
MT400-GC	400mm ²

MV Mechanical Connectors - Split Blocked - up to 33kV

FEATURES

- Designed to connect two HV conductors inline without bending the cable to make the connection
- Shear bolt technology to ensure a good electrical connection. 'V' interface ensures alignment and reduces connector resistance
- Machined from high conductivity brass or copper and supplied with range taking bolts
- Designed to meet BS 4579 Part 1
- 33kV Rated
- Solid moisture block
- Tapered ends ensure smooth profile for installation

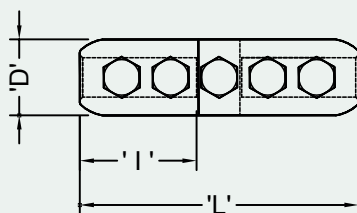


**MV mechanical connectors
for copper & aluminium
conductors**

Part number	Conductor Type	Conductor Size
VTPB21-UTB	Cu / Ali	50-240mm ²
VTPB27-UTB	Cu / Ali	95-300mm ²

Part number	Conductor Type	Conductor Size
VTPC28-UTB	Cu	120-400mm ²
VTPC36-UTB	Cu	400-645mm ²

Mechanical Lugs Data



Part number	Dimensions mm		
	L	ØD	I
VTPB21-UTB	148	41	62
VTPB27-UTB	174	47	74
VTPC28-UTB	173	47	74
VTPC36-UTB	178	55	76

MV Mechanical Connectors - 11-42kV



MV mechanical connectors for copper & aluminium conductors

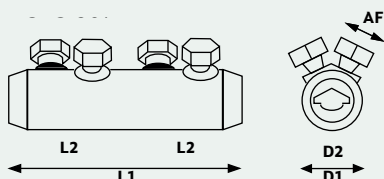
FEATURES

- Designed to connect two MV conductors inline without the need for crimping
- High tensile tin plated aluminium alloy
- Solid moisture block between conductors
- Conductor size based on circular stranded copper and aluminium
- Torque-controlled shear-head bolts guarantee a good electrical contact
- Easy installation with standard socket spanner
- Pre-engineered design for perfect fit in medium voltage cable accessories up to 42kV
- Tested to IEC61238-1

Part number	Conductor Type	Conductor Size
BSMB-10/35	Cu / Ali	10-35mm ²
BSM-25/95	Cu / Ali	25-95mm ²
BSMB-35/150	Cu / Ali	35-150mm ²
BSM-95/240	Cu / Ali	95-240mm ²
BSMB-120/300	Cu / Ali	120-300mm ²

Part number	Conductor Type	Conductor Size
BSM-185/400	Cu / Ali	185-400mm ²
BSMB-500-MK2	Cu / Ali	500mm ²
BSMB-630-MK2	Cu / Ali	630mm ²
BSMB-800-MK2	Cu / Ali	800mm ²
BSMB-1000	Cu / Ali	1000mm ²

Mechanical Connectors Data



Part number	Cross-sectional range mm ²	Blocked	Dimensions mm			
			L1	L2	D1	D2
BSMB-10/35	10-35	Yes	45	20	19	8.5
BSMB-25/95	25-95	Yes	65	30	24	12.8
BSMB-35/150	35-150	Yes	80	35	28	15.8
BSM-95/240	95-240	Yes	125	60	33	20
BSMB-120/300	120-300	Yes	140	65	37	24
BSM-185/400	185-400	Yes	170	80	42	25.5
BSMB-500	500	Yes	160	70	46	30
BSMB-630	630	Yes	160	70	50	33
BSMB-800	800	Yes	180	85	56	36
BSMB-1000	1000	Yes	180	85	60	40

MV Reducing Mechanical Connectors - 11-42kV

FEATURES

- Designed to connect dissimilar sized MV conductors inline without the need for crimping
- High tensile tin plated aluminium alloy with solid moisture block between conductors
- Conductor size based on circular stranded copper and aluminium
- Torque-controlled shear-head bolts guarantee a good electrical contact
- Easy installation with standard socket or spanner
- Pre-engineered design for perfect fit in MV cable accessories up to 42kV
- 42kV Rated
- Tested to IEC61238-1

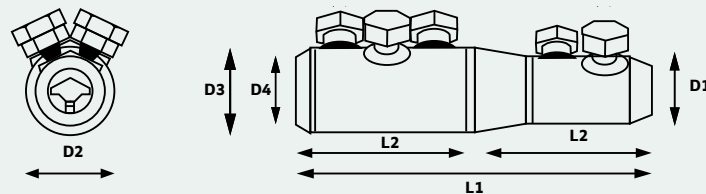


MV reducing mechanical connectors for copper & aluminium conductors

Part number	Conductor Type	Conductor Size
BSMB-25/95-95/240	Cu / Ali	25-95mm ² / 95-240mm ²
BSMB-95/240-185/400	Cu / Ali	95-240mm ² / 185-400mm ²
BSMB-185/400-500	Cu / Ali	185-400mm ² / 500mm ²
BSMB-185/400-630	Cu / Ali	185-400mm ² / 630mm ²
BSMB-500/630-MK2	Cu / Ali	500mm ² / 630mm ²

Part number	Conductor Type	Conductor Size
BSMB-500-800	Cu / Ali	500mm ² / 800mm ²
BSMB-630-800	Cu / Ali	630mm ² / 630mm ²
BSMB-630-1000	Cu / Ali	630mm ² / 1000mm ²
BSMB-800-1000	Cu / Ali	800mm ² / 1000mm ²

Mechanical Connectors Data



Product reference	Conductor Range mm ²		Blocked	Dimensions mm					
	Side 1	Side 2		L1	L2	D1	D2	D3	D4
BSMB25/95-95/240	25-95	95-240	Yes	125	60	24	12.8	33	20
BSMB95/240-185/400	95-240	185-400	Yes	170	80	33	20	42	25.5
BSMB185/400-500	185-400	500	Yes	190	90	42	25.5	46	30
BSMB185/400-630	185-400	630	Yes	200	95	42	25.5	50	33
BSMB500-630	500	630	Yes	200	95	46	30	50	33
BSMB500-800	500	800	Yes	180	85	46	30	56	36
BSMB630-800	630	800	Yes	180	85	50	33	56	36
BSMB630-1000	630	1000	Yes	180	85	50	33	60	40
BSMB800-1000	800	1000	Yes	180	85	56	36	60	40

MV/HV Mechanical Lugs- Up to 72kV



SICON HV mechanical lug for copper and aluminium conductors

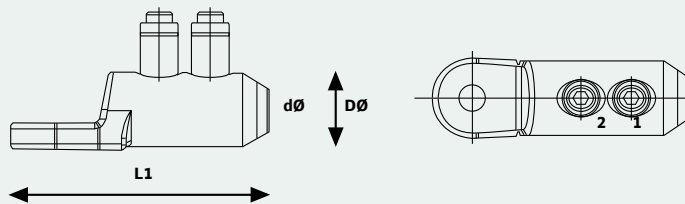
FEATURES

- Large clamping range
- Conductor channels with transverse grooves and protection against conductor oxidation
- Blind hole designed as pressure-resistant oil barrier for oil cable
- Compact design, rounded edges and flat transitions, suitable for slide on and shrink sleeves
- Centring sleeves
- Smooth breaking of the shear bolt simplifies tightening process
- No need for specialist tooling
- Conductor size based on circular stranded copper and aluminium
- 72kV Rated
- Contact technology type tested electrically and mechanically to IEC 61238-1
- Up to 30% increased contact force compared to conventional type terminals

Part number	Hole Size	Conductor Size
332 604 010	13mm	10-95mm ²
332 599 010	13mm	25-150mm ²
332 595 010	13mm	50-185mm ²
332 595 011	16mm	50-185mm ²
332 605 010	13mm	95-300mm ²

Part number	Hole Size	Conductor Size
332 605 011	16mm	95-300mm ²
332 625 010	12mm	185-400mm ²
332 625 011	16mm	185-400mm ²
332 606 010	16mm	300-630mm ²

SICON Connectors Data



Part number						L1	DØ	dØ
332 604 010	10-95mm ²	10-95mm ²	50-95mm ²	35-70mm ²	10-95mm ²	70	24	13
332 599 010	25-150mm ²	25-150mm ²	35-120mm ²	35-120mm ²	25-150mm ²	91	28	16.3
332 595 010	50-240mm ²	50-185mm ²	50-185mm ²	50-150mm ²	50-240mm ²	115	33	20
332 595 011	50-240mm ²	50-185mm ²	50-185mm ²	50-150mm ²	50-240mm ²	115	33	20
332 605 010	95-400mm ²	95-300mm ²	95-240mm ²	95-240mm ²	95-300mm ²	120	38	24
332 605 011	95-400mm ²	95-300mm ²	95-240mm ²	95-240mm ²	95-300mm ²	120	38	24
332 625 010	185-500mm ²	185-400mm ²	185-240mm ²	185-240mm ²	185-400mm ²	138	42	26
332 625 011	185-500mm ²	185-400mm ²	185-240mm ²	185-240mm ²	185-400mm ²	138	42	26
332 606 010	300-800mm ²	300-630mm ²	-	300-400mm ²	300-630mm ²	180	52	33.3

HV Mechanical Lugs - Up to 72kV

FEATURES

- Designed to be connected onto a conductor to facilitate the termination of the cable without the need for crimping
- High tensile tinned aluminium alloy
- Shear bolt technology to ensure a good electrical connection
- Solid moisture block between palm and barrel
- Fast and safe installation
- Variety of different palms available
- 72kV Rated
- Tested to IEC61238-1

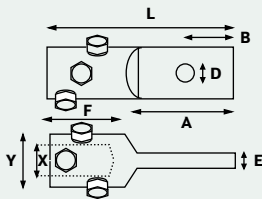


**HV mechanical connectors
for copper & aluminium
conductors**

Part number	Description
EPPA-052-xx/XX	Cable Lug Single Hole M18
EPPA-051-xx/XX	Cable Lug 2 Hole Palm M18
EPPA-054-xx/XX	Cable Lug 4 Hole Palm M14.5

Part number	Description
EPPA-050-X/Y	Cable Lug with Rod
EPPA-053-X/Y	Cable Lug with Rod
EPPA-061-X/Y	Cable Lug with Rod

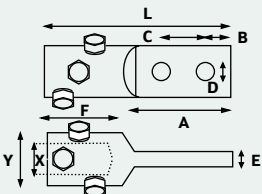
Mechanical Lugs Data EPPA-052



Part number	Dimensions mm					
	L	A	B	D	E	F
EPPA-052-X/Y	190	100	50	18	25	64

X, Y according to cable dimensions

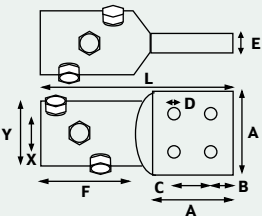
EPPA-051



Part number	Dimensions mm						
	L	A	B	C	D	E	F
EPPA-051-X/Y	190	100	27.5	45	18	25	64

X, Y according to cable dimensions

EPPA-054



Part number EPPA-054-X/Y	Dimensions mm						
	L	A	B	C	D	E	F
Contact plate 100 x 100	232	100	27.5	45	14.5	25	112
Contact plate 80 x 80	212	80	17.5	45	14.5	25	112

X, Y according to cable dimensions

HV Mechanical Connectors - Straight - Up to 72kV



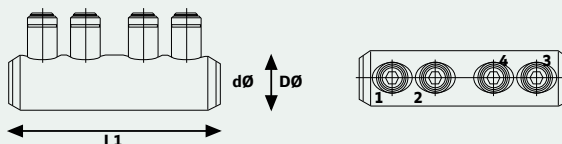
SICON HV straight mechanical connectors for copper & aluminium conductors

FEATURES

- Suitable for use on copper or aluminium conductors
- For other conductor types please refer to table below
- 72kV Rated
- Up to 30% increased contact force compared to conventional type terminals

Part number	Conductor Range
332 601 010	10-95mm ²
332 607 010 (2 bolt)	25-150mm ²
332 593 010 (4 bolt)	25-150mm ²
332 592 010	50-240mm ²
332 614 010	50-240mm ²
332 602 010	95-400mm ²
332 617 010	185-500mm ²
332 603 010	300-800mm ²

Blocked Straight Connectors Data



Part number						L1	DØ	dØ
332 601 010	10-95mm ²	10-95mm ²	50-95mm ²	35-70mm ²	10-95mm ²	65	24	13
332 607 010	25-150mm ²	25-150mm ²	35-120mm ²	35-120mm ²	25-150mm ²	68	28	16.3
332 593 010	25-150mm ²	25-150mm ²	35-120mm ²	35-120mm ²	25-150mm ²	102	28	16.3
332 592 010	50-240mm ²	50-185mm ²	50-185mm ²	50-150mm ²	50-240mm ²	126	33	20
332 614 010	50-240mm ²	50-240mm ²	50-240mm ²	50-240mm ²	50-240mm ²	126	35	21
332 602 010	95-400mm ²	95-300mm ²	95-240mm ²	95-240mm ²	95-300mm ²	140	38	24
332 617 010	185-500mm ²	185-400mm ²	185-240mm ²	185-240mm ²	185-400mm ²	170	42	26
332 603 010	300-800mm ²	300-630mm ²	-	300-400mm ²	300-630mm ²	230	50	33.3

HV Mechanical Connectors - Branch - Up to 72kV



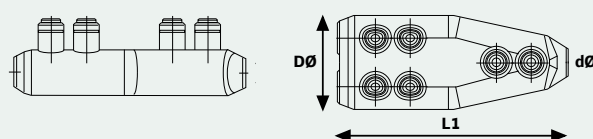
SICON HV branch mechanical connectors for copper & aluminium conductors

FEATURES

- Suitable for use on aluminium or copper conductors
- Conductor size based on circular stranded copper and aluminium
- For other conductor types please refer to table below

Part number	Conductor Range
332 447 010	See below

Branch Connectors Data



Part number						L1	DØ	dØ
332 447 010	50-240mm ²	50-185mm ²	50-185mm ²	50-150mm ²	50-240mm ²	162	68/33	20
332 631 010	70-300mm ²	50-240mm ²	70-240mm ²	70-185mm ²	70-300mm ²	158	71.5/35	22

Solar | Making your future brighter

Jointing Tech is a specialist medium voltage distributor supplying a range of power cable and accessories into the solar industry.

The growth in the UK solar market has seen Jointing Tech expand its business by providing design, product supply and technical support to solar farm developers and cable contractors working on some of the largest solar projects in the UK.

The Jointing Tech range of products and services includes:

- Distribution Transformers
- Switchgear
- LV Cabinets
- Earthing (inc HDC Cable)
- Troughing
- MV Joints
- MV Terminations
- HV Joints
- HV Terminations
- Insulation
- MV Power Cable
- DC Cable
- Earthing Design
- Lugs and Connectors
- Tool Hire and Sales

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Cable Cleats

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Cable Gland & Cleat Selector

For XLPE/SWA/PVC and LSF 600/1000 Volt Power Cables

CABLE SPEC		CLEATS				GLANDS		
Conductor Area mm ²	Number of cores	Telcleats 385AA	Aluminium Claw Cleats 370BA	Plastic LSF Cleats E	Aluminium Cleats SW1/2B	BW Indoor	CW Indoor/Outdoor	E1W E1WF
1.5	2	1	1	0	-	20S	20SS	20SS
	3	1	1	0	-	20S	20SS	20SS
	4	1	1	0	-	20S	20S	20S
	7	2	2	1	2	20S	20S	20S
	12	3	3	2	3	20	20	20
	19	4	4	3	4	25	25	25
	27	5	5	4	5	25	25	25
	37	6	6	5	6	32	32	32
2.5	48	6	6	5	6	32	32	32
	2	1	2	0	2	20S	20S	20S
	3	1	2	1	2	20S	20S	20S
	4	2	2	1	2	20S	20S	20S
	7	2	3	2	3	20	20	20
	12	4	4	3	4	25	25	25
	19	5	5	4	5	25	25	25
	27	6	6	5	6	32	32	32
4	37	6	6	6	6	40	40	40
	2	2	2	1	2	20S	20S	20S
	3	2	2	1	2	20	20	20
	4	3	3	2	3	20	20	20
6	2	3	3	2	3	20	20	20
	3	3	3	2	3	20	20	20
	4	4	4	3	4	20	20	20
10	2	4	4	3	4	25	25	25
	3	4	4	3	4	25	25	25
	4	4	5	4	5	25	25	25
16	2	4	4	3	4	25	25	25
	3	4	5	4	5	25	25	25
	4	5	6	4	6	25	25	25
25	2	4	4	4	4	25	25	25
	3	5	6	5	6	32	32	32
	4	6	6	5	6	32	32	32
35	2	5	5	5	5	32	32	32
	3	5	6	5	6	32	32	32
	4	6	6	5	6	32	32	32
50	2	5	6	5	6	32	32	32
	3	6	6	5	6	32	32	32
	4	6	6	6	6	40	40	40
70	2	6	6	5	6	32	32	32
	3	6	7	6	7	40	40	40
	4	7	7	7	7	40	40	40
95	2	6	7	6	7	40	40	40
	3	7	7	7	7	40	40	40
	4	8	8	7	8	50	50	50S
120	2	7	7	6	7	40	40	40
	3	7	8	7	8	50	50	50S
	4	8	9	8	9	50	50	50
150	2	7	8	7	8	50	50	50S
	3	8	9	8	9	50	50	50S
	4	-	10	9	10	50	50	50
185	2	8	9	8	9	50	50	50S
	3	8	9	9	9	50	50	50
	4	-	10	10	10	63	63	63S
240	2	8	9	8	9	50	50	50
	3	-	10	10	10	63	63	63S
	4	-	11	11	11	63	63	63
300	2	-	10	9	10	63	63	63S
	3	-	11	11	11	63	63	63
	4	-	12	12	12	75	75	75S
400	2	-	11	10	11	63	63	63
	3	-	12	12	12	75	75	75S
	4	-	13	14	13	75	75	75

Gland size recommendations only apply to Prysmian Glands - as stocked by Jointing Tech



FEATURES

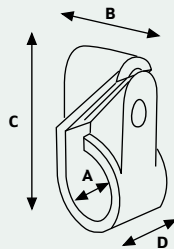
- Light duty wrap around cleat
- Overlapping self adjusting ranges
- One piece, single fixing design
- Can be double stacked one fixing
- Black UV Resistant
- Eight sizes in range
- Operating temperature -70°C to +70°C
- LSF type tested to LUL specification
- Black low-density polyethylene - unaffected by corrosive environments, oils and many chemicals
- Flammability rating UL 94 - V2

Indoor for 10 - 51mm diameter cables

Part Number		Diameter Range
Standard	LSF	
385AA01	385LSF01	10-15mm
385AA02	385LSF02	12-17mm
385AA03	385LSF03	15-20mm
385AA04	385LSF04	18-24mm

Part Number		Diameter Range
Standard	LSF	
385AA05	385LSF05	22-29mm
385AA06	385LSF06	26-34mm
385AA07	385LSF07	32-42mm
385AA08	385LSF08	39-51mm

Cable Cleat Details



Cable & Cleat Section		Cleat Details							
Part Number	Cable Diameter Range A	Dimensions (mm)				SWL (FOS 3) kgf	Approx. Weight g	Roundhead Woodscrew for Masonry, Concrete or Wood ins x No	Screw Cable Tray mm
		B		C	D				
		Min	Max						
385AA01	10-15mm	15	18	32	12	17	2.3	1¼ x 8	M4 x 30
385AA02	12-17mm	17	22	36	14	22	3.4	1½ x 8	M4 x 35
385AA03	15-20mm	21	26	43	16	32	5.5	1¾ x 8	M4 x 40
385AA04	18-24mm	25	31	51	18	40	8.6	2 x 8	M4 x 45
385AA05	22-29mm	30	37	57	20	47	12.4	2¼ x 12	M6 x 50
385AA06	26-34mm	35	43	65	22	59	16.4	2½ x 12	M6 x 60
385AA07	32-42mm	42	52	78	25	79	24	2¾ x 12	M6 x 70
385AA08	39-51mm	50	62	91	26	82	35	3¼ x 12	M7 x 80

Single and Two Bolt Cleat - LSF

FEATURES

- Low Smoke Fume (LSF) Product
- Compact mechanical properties offering high impact strength
- Self Extinguishing and flame retardant
- Can be double stacked
- 16 sizes in range
- Operating temperature range -10°C to +120°C
- Two bolt cleats available in red for MV cables



Indoor and outdoor for
8.5mm to 81mm diameter
cables

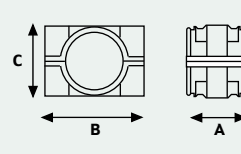
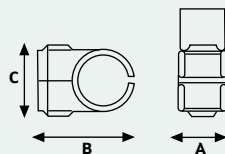
SINGLE BOLT CLEAT Part Number	Diameter Range
CE00	8.5-11mm
CE0	11-13.5mm
CE1	13.5-16mm
CE2	16-19mm
CE3	19-22mm

SINGLE BOLT CLEAT Part Number	Diameter Range
CE4	22-26.5mm
CE5	26.5-32mm
CE6	32-38mm
CE7	38-44mm
CE8	44-50mm

TWO BOLT CLEATS Part Number		Diameter Range
Black	Red	
CE9	CEH9	50-54.5mm
CE10	CEH10	54.5-59mm
CE11	CEH11	59-64mm

TWO BOLT CLEATS Part Number		Diameter Range
Black	Red	
CE12	CEH12	64-68mm
CE13	CEH13	68-74mm
CE14	CEH14	74-81mm

Cable Cleat Details



Part Number	Cable Diameter mm		Cleat Dimensions mm			Approx. Weight g
	Min	Max	A	B	C	
E00	8.5	11	43	47	33	34
E0	11	13.5	43	51	35	37
E1	13.5	16	43	54	38	42
E2	16	19	43	58	41	45
E3	19	22	43	60	44	50
E4	22	26.5	43	64	48	56
E5	26.5	32	43	70	54	62
E6	32	38	43	80	60	79
E7	38	44	43	85	66	83
E8	44	50	43	88	71	87
E9	50	54.5	60	97	67	121
E10	54.5	59	60	97	72	131
E11	59	64	60	97	76	145
E12	64	68	60	116	80	166
E13	68	74	60	116	90	168
E14	74	81	60	116	90	188

Single Bolt Hook Cleat - Heavy Duty

BI con



FEATURES

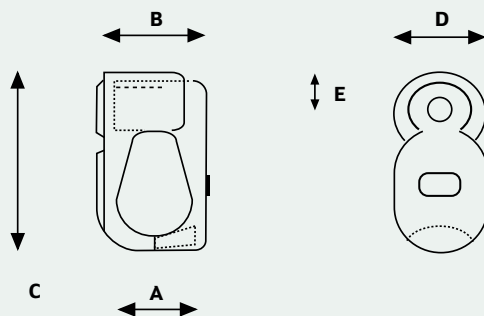
- Manufactured from glass filled nylon and LSOH materials
- Can take a large range of cables
- Can be installed in a temporary open position
- Two piece single fixing design
- Can be double stacked on one fixing
- Black UV resistant
- Available in six sizes
- Operating temperature -20°C to +90°C

Indoor/Outdoor for 25mm to 80mm diameter cables

Part Number		Diameter Range
Standard	LSF	
384AA01	384LSF01	25-35mm
384AA02	385LSF02	34-44mm
384AA03	384LSF03	43-53mm

Part Number		Diameter Range
Standard	LSF	
384AA04	384LSF04	52-62mm
384AA05	384LSF05	61-71mm
384AA06	384LSF06	70-80mm

Cable Cleat Details



Part Number	Cable Diameter A mm		Cleat Dimensions mm				
			B		C	D	E
	Min	Max	Min	Max			
384AA01	25	35	36	46	76	40	18
384AA02	34	44	44	54	85	40	18
384AA03	43	53	56.5	66.5	96	40	18
384AA04	52	62	65.5	75.5	106	40	18
384AA05	61	71	78	88	119	44	20
384AA06	70	80	87	97	129	44	20

Single Bolt Claw Cleat

FEATURES

- High Grade LM6 Aluminium
- Can be used on all types of cable routes
- Available in cast iron to withstand a two hour excursion to 1000°C
- Plain finish-for normal industrial areas or outdoor unpolluted areas
- Epoxy coated version available for harsher environments
- Packing pieces to be used where required
- Two piece, single fixing design
- Single bolt can be stacked to a maximum of three on one fixing
- Available in nine sizes
- Operating temperature -60°C to +105°C

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Indoor/Outdoor for 10mm to 51mm diameter cables

Part Number	Diameter Range
C370BA01	10-13mm
C370BA02	13-16mm
C370BA03	16-19mm
C370BA04	19-22mm
C370BA05	22-25mm

Part Number	Diameter Range
C370BA06	25-32mm
C370BA07	32-38mm
C370BA08	38-44mm
C370BA09	44-51mm

Cable Cleat Details

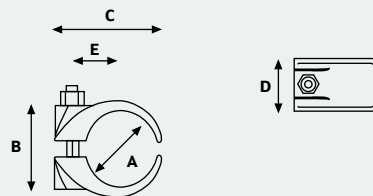


Table & Cleat Selection			Cleat Details					
Part Number	Cable Diameter A mm		Dimensions mm				Approx. Weight	Stud Size
	Min	Max	B	C	D	E		
370BA01	10	13	21	38	46	16	60	M10
370BA02	13	16	21	38	46	16	50	M10
370BA03	16	19	24	41	46	18	60	M10
370BA04	19	22	27	44	46	19	70	M10
370BA05	22	25	30	48	46	21	80	M10
370BA06	25	32	37	54	46	24	90	M10
370BA07	32	38	43	60	46	27	110	M10
370BA08	38	44	49	67	46	30	120	M10
370BA09	44	51	56	73	46	34	150	M10

Single Bolt Cleat



FEATURES

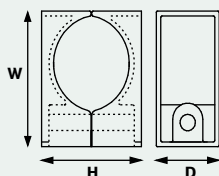
- High grade aluminium LM6
- Can be used on all types of cable routes
- Two piece, single fixing design
- Product can be double stacked
- Available on request in epoxy coated version for more hostile environments
- Operating Temperature -60C to +85C
- Tested to BS EN 50383
- LM6 Grade Aluminium to BS 1432

Indoor/Outdoor for 13mm to 70mm diameter cables

Part Number	Diameter Range
SW1B2	13-16mm
SW1B3	16-19mm
SW1B4	19-22mm
SW1B5	22-25mm
SW1B6	25-32mm
SW1B7	32-38mm

Part Number	Diameter Range
SW1B8	38-44mm
SW1B9	44-51mm
SW1B10	51-57mm
SW1B11	57-64mm
SW1B12	64-70mm

Cable Cleat Details



Part Number	Cable Range		Dimensions			Fixing Hole mm	Item Weight g
	Min Dia mm	Max Dia mm	W mm	H mm	D mm		
SW1B2	13	16	44	34	43	M10	80
SW1B3	16	19	48	36	43	M10	91
SW1B4	19	22	50	38	43	M10	98
SW1B5	22	25	53	40	43	M10	100
SW1B6	25	32	59	44	43	M10	120
SW1B7	32	38	65	50	43	M10	132
SW1B8	38	44	71	56	43	M10	152
SW1B9	44	51	78	63	43	M10	168
SW1B10	51	57	84	73	43	M10	202
SW1B11	57	64	91	80	43	M10	189
SW1B12	64	70	97	89	43	M10	253

Two Bolt Cleat

FEATURES

- High Grade Aluminium LM6
- Two piece, two fixing design
- Can be double stacked on common fixings
- Available in epoxy coated version for more hostile environments
- Tested to BS EN 50368
- Operating temperature -60°C to + 100°C
- Larger sizes have optional rubber liners

BI CON



Indoor/Outdoor for 51mm to 159mm diameter cables

Part Number	Diameter Range
370BA10	51-57mm
370BA11	57-64mm
370BA12	64-70mm
370BA13	70-76mm
370BA14	76-83mm
370BA15	83-89mm
370BA16	89-95mm
370BA17	95-101mm
370BA18	101-108mm

Part Number	Diameter Range
370BA19	108-114mm
370BA30	115-121mm
370BA31	121-127mm
370BA32	127-133mm
370BA33	133-140mm
370BA34	140-146mm
370BA35	146-152mm
370BA36	152-159mm

Cable Cleat Details

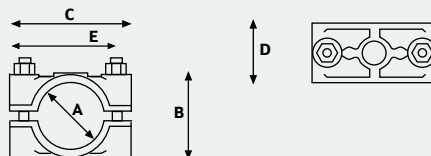


Table & Cleat Selection			Cleat Details					
Design Number	Cable Diameter A mm		Dimensions mm				Approx. Weight	Stud Size
	Min	Max	B Max	C	D	E		
370BA10	51	57	70	98	49	76	230	M10
370BA11	57	64	76	98	49	76	240	M10
370BA12	64	70	82	135	64	114	384	M10
370BA13	70	76	88	135	64	114	385	M10
370BA14	76	83	96	140	64	114	420	M12
370BA15	83	89	101	140	64	114	490	M12
370BA16	89	95	108	152	76	126	642	M12
370BA17	95	101	114	152	76	126	642	M12
370BA18	101	108	120	165	76	140	650	M12
370BA19	108	114	126	165	76	140	650	M12
370BA30	115	121	133	175	100	150	734	M12
370BA31	121	127	139	175	120	150	720	M12
370BA32	127	133	145	200	120	175	970	M12
370BA33	133	140	152	200	120	175	956	M12
370BA34	140	146	158	200	120	175	935	M12
370BA35	146	152	164	210	120	185	893	M12
370BA36	152	159	172	215	150	190	1325	M12



FEATURES

- Suitable for use with cable diameters 33 to 150mm
- Single way, single bolt fixing
- Operating temperature -40°C to +120°C
- Simple installation with single tool tightening from the top side
- Manufactured from non-magnetic, corrosion resistant 316L stainless steel
- Cleat complete with LSOH rubber liner
- Suitable for use with single and multicore cables with high fault current requirements
- Can be used in harsh environments
- Complies with IEC 61914:2009

Indoor/Outdoor for 33mm to 150mm diameter cables

Part Number	Diameter Range
379SC01	33-40mm
379SC02	38-46mm
379SC03	45-53mm
379SC04	52-60mm
379SC05	59-67mm

Part Number	Diameter Range
379SC06	66-74mm
379SC07	72-82mm
379SC08	82-92mm
379SC09	92-103mm

Cable Cleat Details



Part Number	Cable Diameter	Dimensions (mm)			Weight (g)
		A	B	C	
379CS01	33-40mm	86	65	60	435
379CS02	38-46mm	92	71	60	467
379CS03	45-53mm	99	78	60	499
379CS04	52-60mm	106	85	60	530
379CS05	59-67mm	113	92	60	526
379CS06	66-74mm	120	99	60	558
379CS07	72-82mm	132	111	60	639
379CS08	82-92mm	141	120	60	683
379CS09	92-103mm	151	130	60	737
379CS10	103-113mm	160	139	60	784
379CS11	113-123mm	169	148	60	764
379CS12	122-132mm	178	157	60	865
379CS13	131-141mm	187	165	60	908
379CS14	140-150mm	196	175	60	950

Shoe Cleat

FEATURES

- To allow greater distances between each cable cleat
- Designed to allow potentially damaging load to be spread over a longer length
- Based on the 370 series aluminium two bolt cleat with the shoe made from 316L stainless steel
- Complete with a rubber liner
- Designed and formed with the correct bend radius to match the cables expansion curve

BT CON



Cable Cleat Details

Part Number	Cable Diameter	Stud Size	Bolt Centres	Length	Expansion Radius
370BA16SL	78-85mm	M12	126mm	400mm	3000
370BA30SL	105-111mm	M12	150mm	450mm	3000
370BA31SL	111-117mm	M12	150mm	500mm	3000
370BA32SL	117-123mm	M12	175mm	600mm	3000
370BA33SL	123-130mm	M12	175mm	700mm	3000
370BA34SL	130-136mm	M12	175mm	700mm	3000
370BA35SL	136-142mm	M12	185mm	800mm	3000
370BA36SL	142-149mm	M12	190mm	800mm	3000

Linear Short Circuit Straps

FEATURES

- The linear short circuit strap is to be used in conjunction with shoe cleats on high voltage installations to maintain single core spacings
- Linear straps can be used in vertical or horizontal installations
- Options are available for them to be supplied with or without rubber liners
- Cable separation can be done at 300,400,500,600 or 700mm
- Available in two and three way



Short circuit straps for 79mm to 156mm diameter cables

Part Number				Cable Diameter (min-max) mm
Aluminium Alloy		Epoxy Coated Aluminium Alloy		
3 Way	2 Way	3 Way	2 Way	
370SA16-XXX	370SA66-XXX	370SB16-XXX	370SB66-XXX	79-85
370SA17-XXX	370SA67-XXX	370SB17-XXX	370SB67-XXX	85-91
370SA18-XXX	370SA68-XXX	370SB18-XXX	370SB68-XXX	91-98
370SA19-XXX	370SA69-XXX	370SB19-XXX	370SB69-XXX	98-104
370SA30-XXX	370SA80-XXX	370SB30-XXX	370SB80-XXX	105-111
370SA31-XXX	370SA81-XXX	370SB31-XXX	370SB81-XXX	111-117
370SA32-XXX	370SA82-XXX	370SB32-XXX	370SB82-XXX	117-123
370SA33-XXX	370SA83-XXX	370SB33-XXX	370SB83-XXX	123-130
370SA34-XXX	370SA84-XXX	370SB34-XXX	370SB84-XXX	130-136
370SA35-XXX	370SA85-XXX	370SB35-XXX	370SB85-XXX	136-142
370SA36-XXX	370SA86-XXX	370SB36-XXX	370SB86-XXX	142-149
370SA37-XXX	370SA87-XXX	370SB37-XXX	370SB87-XXX	149-156

Replace 'XXX' with 300, 400, 500, 600, 700 for required cable separation

BI CON



Indoor/Outdoor for 23mm to 128mm diameter cables

FEATURES

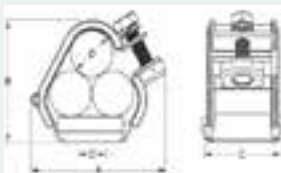
- Suitable for cable diameters 23mm to 128mm
- Available in single and double bolt fixing
- Operating temperatures -40°C to +120°C
- Designed to allow easy installation with single tool tightening from the top side
- Manufactured from non-magnetic, corrosion resistant 316L stainless steel
- Cleats are complete with liner made from LSOH material
- Suitable for single core cables laid in trefoil formation with high fault current requirements
- Can be used in harsh environments
- Complies with IEC 61914:2009

Part Number	Cable Diameter
379TC01	23-28mm
379TC02	27-32mm
379TC03	30-35mm
379TC04	33-38mm
379TC05	36-42mm
379TC06	40-46mm
379TC07	44-50mm
379TC08	48-55mm

Part Number	Cable Diameter
379TC09	51-58mm
379TC10	55-62mm
379TC11	59-66mm
379TC12	63-70mm
379TC13	67-74mm
379TC14	71-78mm
379TC15	74-82mm

Part Number	Cable Diameter
379TC16	77-85mm
379TC17	82-88mm
379TC18	88-96mm
379TC19	96-103mm
379TC20	103-111mm
379TC21	111-119mm
379TC22	119-128mm

Cable Cleat Details



Cleat Selection		Cable Cleat Dimensions (mm)				Weight (g)
Part Number	Cable Diameter	A	B	C	D	
379TC01	23-28mm	86	71	60	Centre Hole	500
379TC02	27-32mm	92	78	60	25	531
379TC03	30-35mm	98	84	60	25	558
379TC04	33-38mm	102	90	60	25	585
379TC05	36-42mm	108	97	60	25	624
379TC06	40-46mm	115	105	60	25	657
379TC07	44-50mm	120	112	60	25	693
379TC08	48-55mm	129	121	60	50	734
379TC09	51-58mm	133	127	60	50	764
379TC10	55-62mm	140	134	60	50	795
379TC11	59-66mm	145	142	60	50	831
379TC12	63-70mm	150	150	60	50	869
379TC13	67-74mm	157	157	60	75	905
379TC14	71-78mm	164	164	60	75	939
379TC15	74-82mm	172	172	60	75	975
379TC16	77-85mm	178	178	60	75	1010
379TC17	82-88mm	184	184	60	100	1046
379TC18	88-96mm	200	198	60	100	1081
379TC19	96-103mm	214	210	60	100	1117
379TC20	103-111mm	230	225	60	125	1152
379TC21	111-119mm	245	240	60	125	1188
379TC22	119-128mm	264	257	60	150	1223

Aluminium Trefoil Cleats with Single & Two Bolt Fixing

BI con

FEATURES

- High Grade Aluminium alloy
- Available in either a single bolt or two bolt fixing design
- Can be used for all types of cable routes
- Available in epoxy coated version for more hostile environments
- Fixed with either one or two M10 fixings
- Available in 33 sizes
- Operating temperature -60°C to +100°C
- Tested to BS EN 50368
- Short Circuit Withstand 30KA Rms (76KA Peak)



Indoor/Outdoor for 24mm to 76mm diameter cables in trefoil formation

Part Number		Diameter Range
Single Fixing	Two Fixing	
376AC01	376AB01	24-25mm
376AC02	376AB02	25-27mm
376AC03	376AB03	27-28mm
376AC04	376AB04	28-30mm
376AC05	376AB05	30-32mm
376AC06	376AB06	32-34mm
376AC07	376AB07	34-35mm
376AC08	376AB08	35-36mm
376AC09	376AB09	36-38mm
376AC10	376AB10	38-40mm
376AC11	376AB11	40-41mm
376AC12	376AB12	41-43mm
376AC13	376AB13	43-44mm
376AC14	376AB14	44-46mm
376AC15	376AB15	46-48mm
376AC16	376AB16	48-49mm
376AC17	376AB17	49-51mm

Part Number		Diameter Range
Single Fixing	Two Fixing	
376AC18	376AB18	51-53mm
376AC19	376AB19	53-54mm
376AC20	376AB20	54-55.5mm
376AC21	376AB21	55.5-57mm
376AC22	376AB22	57-59mm
376AC23	376AB23	59-60mm
376AC24	376AB24	60-62mm
376AC25	376AB25	62-63.5mm
376AC26	376AB26	63.5-65mm
376AC27	376AB27	65-66.5mm
376AC28	376AB28	66.5-68mm
376AC29	376AB29	68-70mm
376AC30	376AB30	70-71.5mm
376AC31	376AB31	71.5-73mm
376AC32	376AB32	73-74.5mm
376AC33	376AB33	74.5-76mm

Aluminium Trefoil Cleats with Single & Two Bolt Fixing continued

Cable cleat details

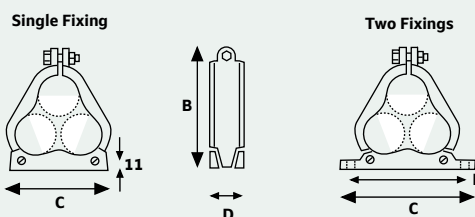


Table & Cleat Selection			Cleat Details						
Design Number	Cable Diameter mm		Dimensions mm					Approx. Weight g	
376AC**			B	D	Single Fixing	Two Fixing		Single Fixing	Two Fixing
376AB**	Min	Max			C	C	E		
01	24	25	94	38	75	128	102	234	276
02	25	27	97	38	75	128	102	241	284
03	27	28	100	38	75	128	102	248	291
04	28	30	103	38	76	130	104	255	298
05	30	32	105	38	79	133	107	269	305
06	32	34	106	38	83	135	109	284	312
07	34	35	109	38	86	137	110	291	319
08	35	36	113	38	89	138	113	298	326
09	36	38	116	38	92	140	114	305	333
10	38	40	119	38	95	145	118	315	340
11	40	41	122	38	99	147	121	319	347
12	41	43	124	38	105	149	123	326	354
13	43	44	127	38	108	150	124	340	369
14	44	46	130	38	112	154	128	354	383
15	46	48	133	38	114	156	129	361	390
16	48	49	137	38	118	159	133	369	397
17	49	51	140	38	121	165	135	376	404
18	51	53	143	38	124	165	137	383	411
19	53	54	146	38	127	172	141	390	418
20	54	55.5	155	44	133	183	152	503	560
21	55.5	57	158	44	137	187	155	517	574
22	57	59	160	44	141	189	157	532	588
23	59	60	163	44	145	191	160	546	602
24	60	62	165	44	148	194	162	552	617
25	62	63.5	168	44	152	196	165	567	631
26	63.5	65	172	44	156	199	168	581	645
27	65	66.5	176	44	160	202	170	602	666
28	66.5	68	178	44	164	205	173	624	687
29	68	70	181	44	168	208	176	652	716
30	70	71.5	187	44	171	215	183	680	745
31	71.5	73	190	44	175	217	186	695	758
32	73	74.5	193	44	179	220	188	709	773
33	74.5	76	197	44	183	222	191	722	787

Recommended Max Spacings

- Straight Runs - 900mm
- Vertical Bends - 300mm
- Horizontal bends - Cleat on each support with, if necessary, intermediate unanchored cleats to limit restraint spacing to 300mm

Multicleat System

FEATURES

- Multicleat is a stainless steel multistrap with a base
- Multicleat bases are manufactured out of aluminium as standard but are available in epoxy coated aluminium, stainless steel, hot dip galvanised and coated cast iron
- Can be used for all types of cable routes
- Exceptional overlapping ranges
- Non-magnetic materials used throughout
- Recommended spacing dictated by short circuit withstand (see Technical data)
- Available in 26 products for each base type
- Operating Temperature - Aluminium bases -60°C to + 105°C
- Cast Iron & Stainless Steel bases + 1000°C for two hours
- Tested BS EN 50368
- Short Circuit Withstand - Standard 1.8m spacing = 43KA RMS (Peak 114KA)
- Heavy 1.5m spacing = 50KA RMS (Peak 130KA)
- Heavy 1.2m spacing = 71KA RMA (Peak 184KA)
- Two bolt fixing except single bolt PF Type

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Indoor/outdoor for 36mm to 120mm cable diameter for single cable and 24mm to 145mm in trefoil formation

MULTICLEAT ALUMINIUM BASE - STANDARD & HEAVY DUTY

Part Number		Cable Diameter for Singles	Cable Diameter for Trefoil
Standard	Heavy Duty		
378AB01	378AB51	36-65mm	24-34mm
378AB02	378AB52	60-85mm	30-41mm
378AB03	378AB53	80-90mm	37-47mm
378AB04	378AB54	85-110mm	43-54mm
378AB05	378AB55	-	50-60mm
378AB06	378AB56	-	56-67mm
378AB07	378AB57	-	63-73mm
378AB08	378AB58	-	69-80mm
378AB09	378AB59	105-120mm	-

Part Number		Cable Diameter for Singles	Cable Diameter for Trefoil
Standard	Heavy Duty		
-	378AB29	85-110mm	-
-	378AB36	-	72-85mm
-	378AB37	-	82-95mm
-	378AB38	-	92-105mm
-	378AB39	-	102-115mm
-	378AB40	-	112-125mm
-	378AB41	-	122-135mm
-	378AB42	-	132-145mm

MULTICLEAT STAINLESS STEEL BASE - STANDARD & HEAVY DUTY

Part Number		Cable Diameter for Singles	Cable Diameter for Trefoil
Standard	Heavy Duty		
378JB01	378JB51	36-65mm	24-34mm
378JB02	378JB52	60-85mm	30-41mm
378JB03	378JB53	80-90mm	37-47mm
378JB04	378JB54	85-110mm	43-54mm
378JB05	378JB55	-	50-60mm
378JB06	378JB56	-	56-67mm
378JB07	378JB57	-	63-73mm
378JB08	378JB58	-	69-80mm
378JB09	378JB59	105-120mm	-

Part Number		Cable Diameter for Singles	Cable Diameter for Trefoil
Standard	Heavy Duty		
-	378JB29	85-110mm	-
-	378JB36	-	80-110mm
-	378JB37	-	82-95mm
-	378JB38	-	92-105mm
-	378JB39	-	102-115mm
-	378JB40	-	112-125mm
-	378JB41	-	122-135mm
-	378JB42	-	132-145mm

Please contact your nearest sales office for pricing on Multicleats with coated Aluminium, hot dipped galvanised, stainless steel and cast iron bases.

Multistrap System

BI con



**Indoor/Outdoor for
Single & Trefoil cables –
24 - 145mm**

FEATURES

- A multistrap is a strap complete with a tensioning clip, securing pin and winding key all made from high corrosion resistant non-magnetic stainless steel
- They are used as an intermediate restraint between Multicleats
- They may be used to bind cables together
- Multistraps are supplied in two strengths:-
Standard duty, designed to have two loops of 0.38 mm thick strap around the cables and heavy duty with three straps
- Tested BS EN 50368
- Short Circuit Withstand - Standard 1.8m spacing= 43KA RMS (Peak 114KA)
- Heavy 1.5m spacing = 50KA RMS (Peak 130KA)
- Heavy 1.2m spacing = 71KA RMA (Peak 184KA)
- Operating Temperature -60°C to 100°C

MULTISTRAP STANDARD & HEAVY DUTY

Part Number		Cable Diameter for Trefoil
Standard	Heavy Duty	
377AB01	377AB51	24-34mm
377AB02	377AB52	30-41mm
377AB03	377AB53	37-47mm
377AB04	377AB54	43-54mm
377AB05	377AB55	50-60mm
377AB06	377AB56	56-67mm
377AB07	377AB57	63-73mm
377AB08	377AB58	69-80mm

Part Number		Cable Diameter for Trefoil
Standard	Heavy Duty	
–	377AB29	–
–	377AB36	72-85mm
–	377AB37	82-95mm
–	377AB38	92-105mm
–	377AB39	102-115mm
–	377AB40	112-125mm
–	377AB41	122-135mm
–	377AB42	132-145mm

LSF Liner



FEATURES

- LSF liners are installed with multistraps to protect the cable sheaths

Part Number	Applicable Cleat Sizes
377LSF01	01-04 & 51-54
377LSF02	05-09 & 29,39,55-58

376TR MV/HV Trefoil Cleats

BI con

FEATURES

- Manufactured from solid aluminium
- Design for use with MV and HV cable designs
- Deep section bases aid cable installation
- Clamping bolt can be used for pilot cables
- Available with single or two bolt fixing
- Available with rubber lining
- Six sizes in range
- Operating Temperature -60°C to + 85°C
- Tested in accordance with BS EN 50368:2003
- Impact Resistance (6.2, 6..2.5, 9.3) - V Heavy > 6.7kg at 300mm.

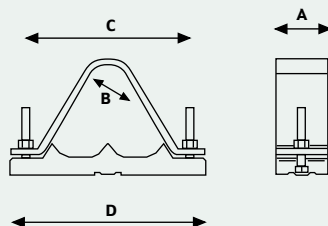


Outdoor for 62mm to 186mm MV/HV diameter cable in trefoil formation

Part Number	Cable Diameter
376TR06	62-75mm
376TR07	75-90mm
376TR08	90-107mm

Part Number	Cable Diameter
376TR09	107-129mm
376TR10	129-155mm
376TR11	155-186mm

Cable Cleat Details



Design Number	Cable Dimensions B mm	Length A mm	Width O/A D mm	Bolt CRS C mm	Bolt Diameter mm
376TR06	62-75	80	260	216	12
376TR07	75-90	80	295	251	12
376TR08	90-107	100	340	296	12
376TR09	107-129	100	390	346	12
376TR10	129-155	125	450	406	12
376TR11	155-186	150	525	481	12



Orion Shaped Cleat

BI con



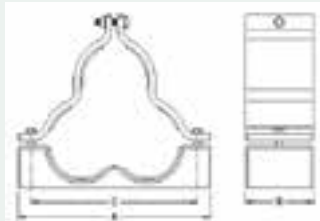
FEATURES

- Heavy duty trefoil cleat covering cable O/D from 85mm to 155mm
- Available in epoxy coated for marine applications
- Suitable for LV,MV and HV cable designs
- Operating temperature -40°C to +105°C
- Orion cleat features a deep cast base to aid easy cable installation.
- Resistance to short circuit, 63LA RMS, 164KA peak

Part Number	Cable Diameter
STANDARD RANGE (SR)	
376SR05	85-95mm
376SR06	95-105mm
376SR07	105-115mm
376SR08	115-125mm
376SR09	125-135mm
376SR10	135-145mm
376SR11	145-155mm

Part Number	Cable Diameter
EPOXY COATED RANGE (SE)	
376SE05	85-95mm
376SE06	95-105mm
376SE07	105-115mm
376SE08	115-125mm
376SE09	125-135mm
376SE10	135-145mm
376SE11	145-155mm

Cable Cleat Details



Part Number		Cable Diameter	Dimensions (mm)			Fixing Size	Weight (kg)
Standard	Epoxy Coated		A	C	B		
376SR05	376SE05	85-95mm	320	260	100	M12	3.4
376SR06	376SE06	95-105mm	340	280	110	M12	4.2
376SR07	376SE07	105-115mm	360	300	120	M12	4.9
376SR08	376SE08	115-125mm	380	324	130	M12	5.5
376SR09	376SE09	125-135mm	400	344	140	M12	6.0
376SR10	376SE10	135-145mm	420	370	150	M12	6.7
376SR11	376SE11	145-155mm	450	390	150	M12	7.6

Bolts

FEATURES

- General purpose fixing bolts
- Stainless steel bolts also available



Part Number		Size
Zinc Plated	Brass	
FHB06X20	FBB06X20	M6 x 20mm
FHB06X30	FBB06X30	M6 x 30mm
FHB08X25	FBB08X25	M8 x 25mm
FHB08X30	FBB08X30	M8 x 30mm
FHB08X40	FBB08X40	M8 x 40mm
FHB10X25	FBB10X25	M10 x 25mm
FHB10X30	FBB10X30	M10 x 30mm

Part Number		Size
Zinc Plated	Brass	
FHB10X40	FBB10X40	M10 x 40mm
FHB10X50	FBB10X50	M10 x 50mm
FHB12X35	FBB12X35	M12 x 35mm
FHB12X40	FBB12X40	M12 x 40mm
FHB12X50	FBB12X50	M12 x 50mm
FHB12X70	FBB12X70	M12 x 70mm

Nuts

FEATURES

- General purpose fixing nuts
- Stainless steel nuts also available



Part Number		Size
Bright Zinc Plated Nut	Brass Nut	
FHN06	FBN06	M6
FHN08	FBN08	M8

Part Number		Size
Bright Zinc Plated Nut	Brass Nut	
FHN10	FBN10	M10
FHN12	FBN12	M12

Channel Nuts (all types)

FEATURES

- Designed to fit into channel so cleats can be fitted



Part Number			Hole Size
No Spring	Short Spring	Long Spring	
FCNN06	FCNS06	FCNL06	6mm
FCNN08	FCNS08	FCNL08	8mm

Part Number			Hole Size
No Spring	Short Spring	Long Spring	
FCNN10	FCNS10	FCNL10	10mm
FCNN12	FCNS12	FCNL12	12mm

Other sizes available, please contact your local sales office for more details

Spring & Flat Washers



FEATURES

- General purpose fixing washers
- Other sizes available
- Stainless steel washers also available

Part Number				Size
Phosphor Bronze Spring	Bright Zinc Plated Flat	Bright Zinc Plated Spring	Brass Flat	
FBSW06	FFW06	FSW06	FBW06	M6
FBSW08	FFW08	FSW08	FBW08	M8

Part Number				Size
Phosphor Bronze Spring	Bright Zinc Plated Flat	Bright Zinc Plated Spring	Brass Flat	
FBSW10	FFW10	FSW10	FBW10	M10
FBSW12	FFW12	FSW12	FBW12	M12

Threaded Rod



FEATURES

- Threaded rod for use with cable cleats
- Other sizes available

Part Number	Material	Size	Length
M10X85	BZP	M10	85mm
M10X100	BZP	M10	100mm
M10X125	BZP	M10	125mm

Also available in other sizes

Part Number	Material	Size	Length
M10X150	BZP	M10	150mm
M10X200	BZP	M10	200mm
M10X225	BZP	M10	225mm

Also available in Stainless Steel

Packing Pieces



FEATURES

- Required when stacking claw cleats
- Other sizes available

Part Number	Description
389AC03	Aluminium alloy, plain

Part Number	Description
389AC04	Aluminium alloy, epoxy coated

Also available in Stainless Steel

Adaptor Plates



FEATURES

- Required when mounting smaller cleats directly on to 41mm wide channel
- Other sizes available

Part Number	Description
380AG02	M10 Galvanised

Also available in Stainless Steel

Rail | Helping you make the right connection

Jointing Tech is a specialist electrical distributor supplying a full range of power cable and accessories into the rail industry for substations, feeders, signalling power, civils and construction projects.

The electrification of the UK rail network has seen Jointing Tech expand its business, supplying a range of Network Rail PADS approved products into 750V DC third rail and 25kV AC projects.

The Jointing Tech PADS approved product range includes:

- Cable Glands
- Cable Cleats
- MV Terminations
- Insulation Products
- Power Cables
- Lugs and Connectors
- MV Joints
- Earthing Products
- Tapes & Accessories
- Tool Hire & Sales
- Resin & Compounds
- Cable Troughing

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Cable Ties and Marking Systems

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Standard Cable Ties

FEATURES

- All ties are one-piece moulded mechanisms with bend finger grip tip
- Low threading force with no sharp edges to ensure safe handling and easy installation
- Made with virgin nylon 6/6 resin.
- Self-extinguishing
- Operating temperature for LD and MD range -40°C to +85°C
- Operating temperature for HD range -40°C to + 105°C
- Highly resistant against oil, grease, hydrocarbons and alkalis up to 40%



Part Number	Length	Width	Max O/D	Tensile Strength	UOM
Light Duty Cable Tie					
LD06BK	143mm	3.6mm	33mm	18.2kg	100
LD06WH	143mm	3.6mm	33mm	18.2kg	100
LD08BK	202mm	3.6mm	50mm	18.2kg	100
LD08WH	202mm	3.6mm	50mm	18.2kg	100
LD12BK	303mm	3.6mm	76mm	18.2kg	100
LD12WH	303mm	3.6mm	76mm	18.2kg	100
Medium Duty Cable Tie					
MD06BK	160mm	4.8mm	38mm	22kg	100
MD06WH	160mm	4.8mm	38mm	22kg	100
MD08BK	202mm	4.8mm	50mm	22kg	100
MD08WH	202mm	4.8mm	50mm	22kg	100
MD12BK	280mm	4.8mm	70mm	22kg	100
MD12WH	280mm	4.8mm	70mm	22kg	100
MD15BK	370mm	4.8mm	102mm	22kg	100
MD15WH	370mm	4.8mm	102mm	22kg	100
Heavy Duty Cable Tie					
HD12BK	302mm	7.6mm	76mm	54kg	100
HD12WH	302mm	7.6mm	76mm	54kg	100
HD15BK	370mm	7.6mm	102mm	54kg	100
HD15WH	370mm	7.6mm	102mm	54kg	100
HD21BK	535mm	7.6mm	140mm	54kg	100
HD21WH	535mm	7.6mm	140mm	54kg	100
HD30BK	768mm	7.6mm	222mm	54kg	100
HD30WH	768mm	7.6mm	222mm	54kg	100

Ball-Lok Ties - Uncoated



FEATURES

- Self locking stainless steel cable ties for use in hazardous area environments
- Operating Temperature - 80°C to + 538°C
- UL, Lloyd Register, DNV and US Coast Guard approved

Ball-Lok stainless steel cable ties for cable bundles from 50 - 305mm

Part number	Material	Size mm	Bundle Diameter mm	Tensile in N	Pack Quantity
KE1128	304 Grade S/S	201 x 4.6	50	890	100
KE1138	304 Grade S/S	259 x 4.6	69	890	100
KE1148	304 Grade S/S	360 x 4.6	102	890	100
KE1158	304 Grade S/S	520 x 4.6	152	890	100
KE1168	304 Grade S/S	679 x 4.6	203	890	100
KE1178	304 Grade S/S	838 x 4.6	254	890	100
KE1188	304 Grade S/S	1067 x 4.6	305	890	100
KE1328	304 Grade S/S	201 x 7.9	50	1335	100
KE1338	304 Grade S/S	259 x 7.9	69	1335	100
KE1348	304 Grade S/S	360 x 7.9	102	1335	100
KE1358	304 Grade S/S	520 x 7.9	152	1335	100
KE1368	304 Grade S/S	679 x 7.9	203	1335	100
KE1378	304 Grade S/S	838 x 7.9	254	1335	100
KE1388	304 Grade S/S	1067 x 7.9	305	1335	100

Part number	Material	Size mm	Bundle Diameter mm	Tensile in N	Pack Quantity
KE0128	316 Grade S/S	201 x 4.6	50	890	100
KE0138	316 Grade S/S	259 x 4.6	69	890	100
KE0148	316 Grade S/S	360 x 4.6	102	890	100
KE0158	316 Grade S/S	520 x 4.6	152	890	100
KE0168	316 Grade S/S	679 x 4.6	203	890	100
KE0178	316 Grade S/S	838 x 4.6	254	890	100
KE0188	316 Grade S/S	1067 x 4.6	305	890	100
KE0328	316 Grade S/S	201 x 7.9	50	1335	100
KE0338	316 Grade S/S	259 x 7.9	69	1335	100
KE0348	316 Grade S/S	360 x 7.9	102	1335	100
KE0358	316 Grade S/S	520 x 7.9	152	1335	100
KE0368	316 Grade S/S	679 x 7.9	203	1335	100
KE0378	316 Grade S/S	838 x 7.9	254	1335	100
KE0388	316 Grade S/S	1067 x 7.9	305	1335	100

Ball-Lok Ties - Coated



FEATURES

- Self locking stainless steel cable ties for use in hazardous area environments
- Epoxy coated to avoid damage to cable sheaths
- Operating Temperature - 80°C to + 538°C
- UL, Lloyd Register, DNV and US Coast Guard approved

Coated Ball-Lok stainless steel cable ties for cable bundles for 50 - 254mm

Part number	Material	Size mm	Bundle Diameter mm	Tensile in N	Pack Quantity
KE0228	Coated 316 Grade S/S	201 x 4.6	50	668	100
KE0238	Coated 316 Grade S/S	259 x 4.6	69	668	100
KE0248	Coated 316 Grade S/S	360 x 4.6	102	668	100
KE0258	Coated 316 Grade S/S	520 x 4.6	152	668	100
KE0268	Coated 316 Grade S/S	679 x 4.6	203	668	100
KE0278	Coated 316 Grade S/S	838 x 4.6	254	668	100

Part number	Material	Size mm	Bundle Diameter mm	Tensile in N	Pack Quantity
KE0428	Coated 316 Grade S/S	201 x 7.9	50	1112	100
KE0438	Coated 316 Grade S/S	259 x 7.9	69	1112	100
KE0448	Coated 316 Grade S/S	360 x 7.9	102	1112	100
KE0458	Coated 316 Grade S/S	520 x 7.9	152	1112	100
KE0468	Coated 316 Grade S/S	679 x 7.9	203	1112	100
KE0478	Coated 316 Grade S/S	838 x 7.9	254	1112	100

Tie-Lok Ties - Uncoated

FEATURES

- Low Profile stainless steel cable ties for use in hazardous area environments
- Operating Temperature - 80°C to + 538°C
- DNV approved
- All available in 316 grade Stainless Steel



Tie-Lok stainless steel cable ties for cable bundles from 25-254mm

Part number	Material	Size mm	Bundle Diameter mm	Tensile in N	Pack Quantity
AS221	304 Grade S/S	154 x 4.5	25	445	100
AS222	304 Grade S/S	254 x 4.5	51	445	100
AS223	304 Grade S/S	406 x 4.5	102	445	100
AS224	304 Grade S/S	572 x 4.5	152	445	100
AS225	304 Grade S/S	737 x 4.5	203	445	100

Part number	Material	Size mm	Bundle Diameter mm	Tensile in N	Pack Quantity
AS211	304 Grade S/S	254 x 6.35	51	890	100
AS212	304 Grade S/S	419 x 6.35	101	890	100
AS213	304 Grade S/S	572 x 6.35	152	890	100
AS214	304 Grade S/S	737 x 6.35	203	890	100
AS215	304 Grade S/S	889 x 6.35	254	890	100

Multi-Lok Ties - Uncoated

FEATURES

- Multi locking stainless steel cable ties for use in hazardous area environments
- Operating Temperature - 80°C to + 538°C
- UL, Lloyd Register, DNV and US Coast Guard approved



Multi-Lok stainless steel cable ties for cable bundles from 48-193mm

Part number	Material	Size mm	Bundle Diameter mm	Tensile in N	Pack Quantity
AE601	316 Grade S/S	150 x 7	48	890	100
AE602	316 Grade S/S	225 x 7	71	890	100
AE603	316 Grade S/S	300 x 7	96	890	100
AE604	316 Grade S/S	450 x 7	144	890	100
AE605	316 Grade S/S	610 x 7	193	890	100

Part number	Material	Size mm	Bundle Diameter mm	Tensile in N	Pack Quantity
AE701	316 Grade S/S	150 x 12	48	1112	100
AE702	316 Grade S/S	225 x 12	71	1112	100
AE703	316 Grade S/S	300 x 12	96	1112	100
AE704	316 Grade S/S	450 x 12	144	1112	100
AE705	316 Grade S/S	610 x 12	193	1112	100

Multi-Lok Ties - Coated

FEATURES

- Multi locking stainless steel cable ties for use in hazardous area environments
- Nylon 11 black coated to avoid damage to the cable sheaths
- Operating Temperature - 80°C to + 538°C
- UL, Lloyd Register, DNV and US Coast Guard approved



Coated Multi-Lok stainless steel cable ties for cable bundles from 48-180mm

Part number	Material	Size mm	Bundle Diameter mm	Tensile in N	Pack Quantity
AE611	Coated 316 Grade S/S	150 x 7	33	890	100
AE612	Coated 316 Grade S/S	225 x 7	57	890	100
AE613	Coated 316 Grade S/S	300 x 7	81	890	100
AE614	Coated 316 Grade S/S	450 x 7	129	890	100
AE615	Coated 316 Grade S/S	610 x 7	180	890	100

Part number	Material	Size mm	Bundle Diameter mm	Tensile in N	Pack Quantity
AE711	Coated 316 Grade S/S	150 x 12	33	1112	100
AE712	Coated 316 Grade S/S	225 x 12	57	1112	100
AE713	Coated 316 Grade S/S	300 x 12	81	1112	100
AE714	Coated 316 Grade S/S	450 x 12	129	1112	100
AE715	Coated 316 Grade S/S	610 x 12	180	1112	100

Band-It Ties - Coated



Coated Band-It stainless steel cable ties for cable bundles from 38-185mm

FEATURES

- Releasable stainless steel cable ties for use in hazardous area environments
- PPA 571 black coated to avoid damage to the cable sheaths
- Available in two widths (6.4mm & 9.6mm)
- Operating temperature -80°C to +538°C
- UL, Lloyd Register, DNV and US Coast Guard approved.
- CE Marked

Part number	Material	Size mm	Bundle Diameter mm	Pack Quantity
AE111	Coated 316 Grade S/S	152 x 6.4	38	100
AE112	Coated 316 Grade S/S	229 x 6.4	63	100
AE113	Coated 316 Grade S/S	305 x 6.4	86	100
AE114	Coated 316 Grade S/S	457 x 6.4	137	100
AE115	Coated 316 Grade S/S	610 x 6.4	185	100
AE311	Coated 316 Grade S/S	152 x 9.6	38	100
AE312	Coated 316 Grade S/S	229 x 9.6	63	100
AE313	Coated 316 Grade S/S	305 x 9.6	86	100
AE314	Coated 316 Grade S/S	457 x 9.6	137	100
AE315	Coated 316 Grade S/S	610 x 9.6	185	100

Band-Fast System



Band-Fast cable restraint clamps for single, trefoil & quadfoil cable formations

FEATURES

- Designed for heavy duty cable bundling and clamping applications as an alternative to conventional cable cleats
- Low cost alternative to cable cleats - up to 50% labour saving
- No accessories required (fixing, liners, packers and studding etc)
- Zero halogen, low smoke and fume product
- PPA 571 black coated to avoid damage to the cable sheaths
- Independently tested for shock and short circuit characteristics
- Suitable for single, trefoil or quadfoil cable formations
- Available for single or double wrap applications
- DNV and GL Type Approved Material
- Temperature Rating -50°C to +538°C

Part number	Type	Material	Size mm	Max Cable Diameter Single/Trefoil/Quadfoil	Pack Quantity
BANDF11	Single	Coated 316 Grade S/S	300x16	40mm/13mm/12mm	100
BANDF12	Single	Coated 316 Grade S/S	400x16	75mm/28mm/25mm	100
BANDF13	Single	Coated 316 Grade S/S	500x16	100mm/43mm/37mm	100
BANDF14	Single	Coated 316 Grade S/S	600x16	130mm/57mm/50mm	100
BANDF15	Single	Coated 316 Grade S/S	700x16	160mm/70mm/60mm	100
BANDF21	Double	Coated 316 Grade S/S	300x16	25mm/10mm/9mm	100
BANDF22	Double	Coated 316 Grade S/S	400x16	50mm/13mm/12mm	100
BANDF23	Double	Coated 316 Grade S/S	500x16	55mm/21mm/18mm	100
BANDF24	Double	Coated 316 Grade S/S	600x16	70mm/28mm/25mm	100
BANDF25	Double	Coated 316 Grade S/S	700x16	85mm/35mm/31mm	100
BANDF26	Double	Coated 316 Grade S/S	800x16	100mm/42mm/37mm	100
BANDF27	Double	Coated 316 Grade S/S	1000x16	130mm/57mm/50mm	100

Band & Buckle System - Banding

FEATURES

- Stainless steel banding for use with buckles to enable securing and bundling around large cables and pipes
- Applications include insulation fixing, cable bundling and sign erection
- Band & buckle can be quickly formed around virtually any diameter
- Superior corrosion resistance
- Available in 201, 316 grade stainless steel & nylon 11 coated version



**Stainless Steel Banding
for larger diameter cables
and pipes**

Part number	Material	Size
C202	201 Grade S/S	30.5m x 6.35mm
C203	201 Grade S/S	30.5m x 9.53mm
C204	201 Grade S/S	30.5m x 12.70mm
C205	201 Grade S/S	30.5m x 15.88mm
C206	201 Grade S/S	30.5m x 19.05mm
C403	316 Grade S/S	30.5m x 9.53mm
C404	316 Grade S/S	30.5m x 12.70mm

Part number	Material	Size
C405	316 Grade S/S	30.5m x 15.88mm
C406	316 Grade S/S	30.5m x 19.05mm
AE432	PPA Coated 316 Grade S/S	25m x 6.35mm
AE433	PPA Coated 316 Grade S/S	25m x 9.53mm
AE434	PPA Coated 316 Grade S/S	25m x 12.70mm
AE435	PPA Coated 316 Grade S/S	25m x 15.88mm
AE436	PPA Coated 316 Grade S/S	25m x 19.05mm

Band & Buckle System - Buckles

FEATURES

- Stainless steel buckles for use with banding to enable securing and bundling around large cables and pipes
- Superior corrosion resistance
- Available in 201 and 316 grade stainless steel



**Stainless steel buckles for
the fixing of banding to
larger cables and pipes**

Part number	Material	Size mm	Pack Quantity
C252	201 Grade S/S	6.35	100
C253	201 Grade S/S	9.53	100
C254	201 Grade S/S	12.70	100
C255	201 Grade S/S	15.88	100
C256	201 Grade S/S	19.05	100
C453	316 Grade S/S	9.53	100
C454	316 Grade S/S	12.70	100

Part number	Material	Size mm	Pack Quantity
C455	316 Grade S/S	15.88	100
C456	316 Grade S/S	19.05	100
AE452	316 Grade S/S	6.35	100
AE453	316 Grade S/S	9.53	100
AE454	316 Grade S/S	12.70	100
AE455	316 Grade S/S	15.88	100
AE456	316 Grade S/S	19.05	100

All Round Band



Multi purpose all round band

FEATURES

- All Round Band is an all purpose fixing system suitable for hostile environments
- Easy to form around any section
- Available in galvanised steel, stainless steel uncoated and in PPA coated versions
- Available in 3 widths (12mm, 17mm & 26mm)

Part number	Material	Colour	Size
AE505	Galvanised Steel Uncoated	Metallic	10m x 12mm
AE506	Galvanised Steel Uncoated	Metallic	10m x 17mm
AE507	Galvanised Steel Uncoated	Metallic	10m x 26mm
AE565	PPA Coated Galvanised Steel	Black	10m x 12mm
AE566	PPA Coated Galvanised Steel	Black	10m x 17mm
AE567	PPA Coated Galvanised Steel	Black	10m x 26mm
AE405	Stainless Steel Uncoated	Metallic	10m x 12mm
AE406	Stainless Steel Uncoated	Metallic	10m x 17mm
AE407	Stainless Steel Uncoated	Metallic	10m x 26mm
AE465	Stainless Steel Coated	Black	10m x 12mm
AE466	Stainless Steel Coated	Black	10m x 17mm

Part number	Material	Colour	Size
AE467	Stainless Steel Coated	Black	10m x 26mm
AE575	PPA Coated Galvanised Steel	Black	25m x 12mm
AE576	PPA Coated Galvanised Steel	Black	25m x 17mm
AE577	PPA Coated Galvanised Steel	Black	25m x 26mm
AE425	Stainless Steel Uncoated	Metallic	25m x 12mm
AE426	Stainless Steel Uncoated	Metallic	25m x 17mm
AE427	Stainless Steel Uncoated	Metallic	25m x 26mm
AE475	Stainless Steel Coated	Black	25m x 12mm
AE476	Stainless Steel Coated	Black	25m x 17mm
AE477	Stainless Steel Coated	Black	25m x 26mm

Cable Sheath Protector



ZHCP Cable sheath protector for use with metal cable ties

FEATURES

- Cable sheath protector is designed to fit underneath the metal cable ties to protect the sheath of the cable
- Suitable for low and high temperature environments
- Fire Tested (Def standard 07-247)
- Low smoke and fume product
- Available in five sizes

Part number	Material	Colour	Size
ZHCP-NR-1-0	Nylon 6.6	Black	16mm
ZHCP-NR-2-0	Nylon 6.6	Black	10mm
ZHCP-NR-3-0	Nylon 6.6	Black	6mm

Part number	Material	Colour	Size
ZHCP-NR-4-0	Nylon 6.6	Black	5mm
ZHCP-NR-6-0	Nylon 6.6	Black	13mm

Easy Read System

FEATURES

- Designed to provide a marking system in hazardous area environments
- Used with stainless steel cable tie range
- A complete range of letters, numbers and symbols
- Fits on to easy strips and carriers or directly on to cable ties
- Fasten strips and carriers to pipe and cable with cable ties
- Easy to read in dim light
- Made from 316 Stainless Steel



Easy read stainless steel marking system

Characters

Part number	Description	Pack Quantity
AE010*	LETTERS A-Z (Add suffix * when ordering)	100
AE018*	NUMBERS 1-10 (Add suffix * when ordering)	100
AE035	EASY MINUS/HYPHEN -	100
AE036	EASY BLANK	100
AE046	EASY PLUS +	100
AE047	EASY EARTH +	100
AE048	EASY SINE ~	100
AE049	EASY SLASH/	100
AE053	ARROW	100



Easy read marking system characters

Carrier Strips

Part number	Description	Size mm	Pack Quantity
AE043	EASY CARRIER 6	9.53 x 92.5	100
AE044	EASY CARRIER10	9.53 x 130.6	100
AE045	EASY CARRIER16	9.53 x 187.7	100
AE050	EASY STRIP Short	9.53 x 108	100
AE051	EASY STRIP Medium	9.53 x 146	100
AE052	EASY STRIP Long	9.53 x 203.2	100



Easy read marking system carrier strips

Easy Read Kit

Part number	Description	Size mm	Pack Quantity
AE060	EASY READ Kit - Contains 50 of each character/carrier/strip	1	100



Easy read kit

Straight Cut Wire Markers



Z Type wire markers for cable diameters from 1.7 - 16mm

FEATURES

- Straight Cut Wire Markers for cable identification and marking on small diameter cables
- Chevron design to interlock when fitted
- Available in various colours
- Standard figures available = A-Z, 0-9, +, -, /, earth & blank
- Add character suffix to part no when ordering item
- Operating Temperature -30°C to +70°C
- Flammability Rating UL94-V2

Part number	Conductor CSA	Conductor Diameter	Pack Quantity	Size mm
PZ02	0.5-0.75mm ²	1.7 - 2.8mm	1000	3
PZ1	0.75-4.0mm ²	2.5 - 5mm	1000	3
PZ2	2.5-16mm ²	4.0 - 10mm	250/500	4
PZ3	16-70mm ²	8.0-16mm	100	5



K Type wire markers for use with carrier strips

FEATURES

- Oval Wire Markers for cable identification and marking of larger diameter cables and pipes when used on carrier strips
- Oval design to interlock when fitted.
- Available in yellow PVC with black figures
- Standard figures available = A-Z, 0-9, +, -, /, earth & blank
- Add character suffix to part no when ordering item
- Operating Temperature -30°C to +70°C
- Flammability Rating UL94-V2

Part number	Conductor CSA	Conductor Diameter	Pack Quantity	Size mm
POK10	40-100mm ²	up to 7.0mm	500	6

Carrier Strips



Standard & Multipurpose carrier strips for larger cables

FEATURES

- Designed for use with K range of markers
- Standard and multipurpose carrier strips designed to be attached parallel to larger diameter cables or installed directly onto the cable secured with a cable tie
- Available in black PVC
- Operating Temperature -30°C to +70°C
- Flammability Rating UL94-V2

Part number	Description	PackQuantity
POH7	7 digit carrier strip	100
POH12	12 digit carrier strip	100
POH18	18 digit carrier strip	100

Part number	Description	PackQuantity
POH30	30 digit carrier strip	100
PKH70	10 digit carrier strip	100
PKH110	20 digit carrier strip	100



Extensive Range of Stock Available Across the UK

Jointing Tech is the leading distributor of power cable and accessories supplying products and services that maintain, develop and connect the UK's electrical infrastructure.

With a network of branches across the UK, Jointing Tech, in conjunction with leading Industry manufacturers, are able to deliver a comprehensive range of products, many on a next day basis.

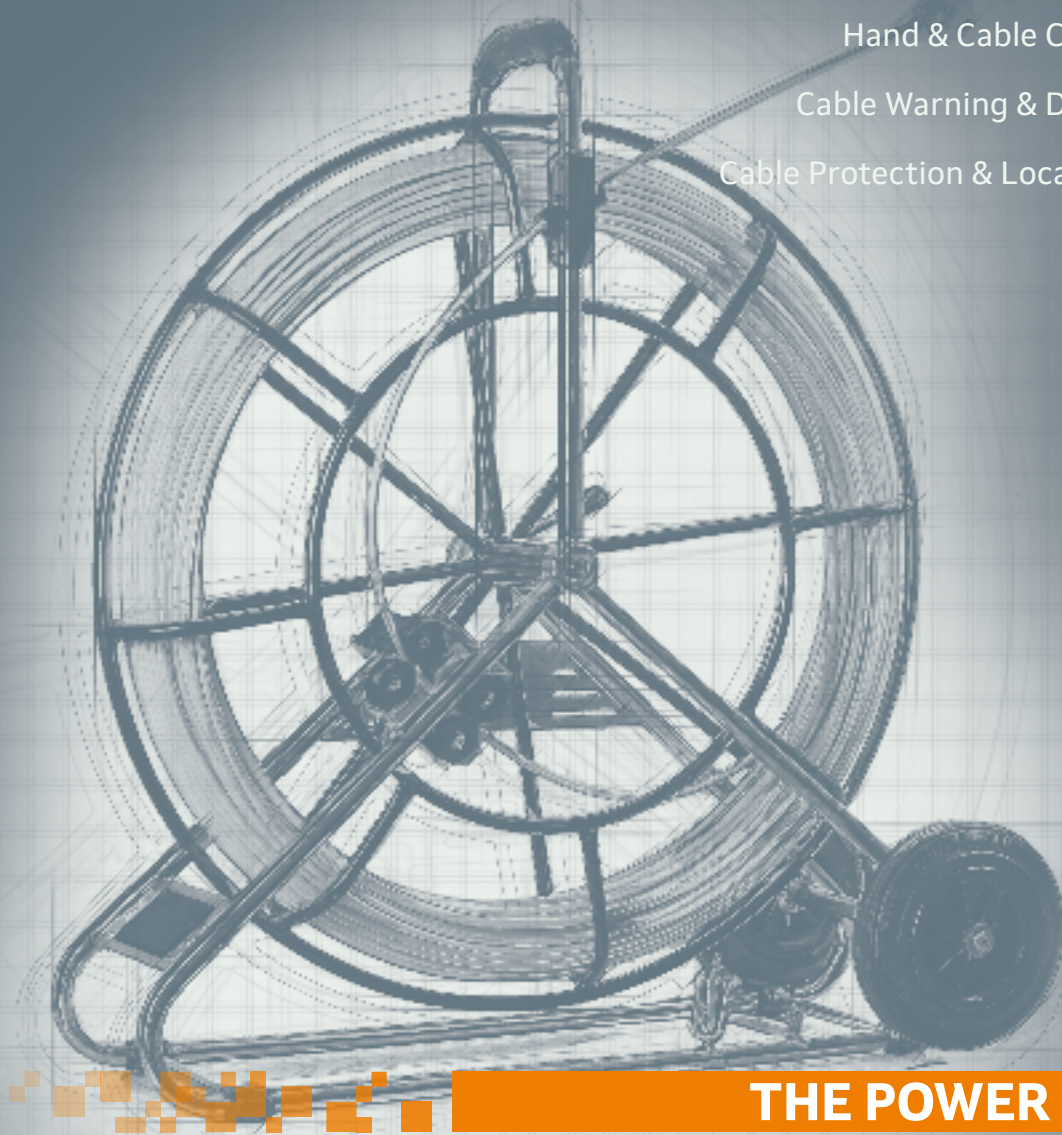
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THE POWER TO DELIVER

Cable Pulling Equipment

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Cable Rollers

FEATURES

- For cable pulling
- Corner rollers also available
- Lightweight roller for easy transportation
- Zinc plated heavy duty assembly
- Steel frame with steel roller on sealed ball bearings



To aid cable installation

Part number	Weight	Range
TRN76	2.75 kg	Max 76mm cable diameter

Part number	Weight	Range
TR5	4 kg	Max 125mm cable diameter

Cable Screw Jacks

FEATURES

- Easy to handle and simple operation
- Base plate designed to give stability even on soft ground
- Locking collars can be ordered on request
- Versatile and easily adjustable
- Robustly engineered for regular use



For supporting cable drums

Part number	Size	Max Drum Diameter	Spindle Diameter	Detail
3 TON JACK	Base area - 1830 x 285mm	1600mm	-	-
6 TON JACK	Base area - 1830 x 760mm	1900mm	-	-
8 TON JACK	Base area - 2000 x 800mm	2200mm	-	-
4FT 6 TON	1219mm long	-	50mm	Suitable for use with the three ton jacks
6FT 6 TON	1800mm long	-	50mm	Suitable for use with the six ton jacks
7FT 8 TON	2100mm long	-	50mm	Suitable for use with the eight ton jacks

Cable Drum Rotator

FEATURES

- Cable drums rotators are used for unreeling cable from a cable drum
- Both made from pressed/rolled steel construction
- Zinc plated or painted finish



Part number	Drum Sizes			Max Drum Weight
	Width	Max	Min	
DR2	700mm	1200mm	300mm	750kg

Part number	Drum Sizes			Max Drum Weight
	Width	Max	Min	
DR3	Infinite	2200	300	1500kg

Cable Stockings - Double Eye



For cable pulling

FEATURES

- Material - high tensile galvanised steel wire
- Special cable stockings also available
- The stocking is connected at the end of the cable and can be used for cable pulling or supporting
- Also available in stainless steel wire or Kevlar
- Ideal method for supporting cables prior to cleating

Part number	Actual Break Tonne Size	Cable Diameter
CS21	0.75	6-13mm
CS22	1.00	13-19mm
CS23	2.50	19-25mm
CS24	3.50	25-38mm
CS25	5.00	38-50mm

Part number	Actual Break Tonne Size	Cable Diameter
CS26	5.00	50-63mm
CS27	6.00	63-89mm
CS28	7.00	89-115mm
CS29	7.00	115-130mm

Split Cable Stockings - Double Eye



For cable pulling

FEATURES

- Material - high tensile galvanised steel wire
- Special cable stockings also available
- The unique split / tie feature allows the stocking to be connected at any point along the cable for cable pulling or supporting
- Also available in stainless steel wire or Kevlar
- Ideal method for supporting cables prior to cleating

Part number	Actual Break Tonne Size	Cable Diameter
CS31	0.75	6-13mm
CS32	1.00	13-19mm
CS33	2.50	19-25mm
CS34	3.50	25-38mm
CS35	5.00	38-50mm

Part number	Actual Break Tonne Size	Cable Diameter
CS36	5.00	50-63mm
CS37	6.00	63-89mm
CS38	7.00	89-115mm
CS39	7.00	115-130mm

Triplex Cable Stocking - Double Eye



For cable pulling

FEATURES

- Material - high tensile galvanized steel wire.
- Also available in stainless steel or kevlar.
- Ideal method for supporting cables prior to cleating

Part number	Actual Break Tonne Size	Cable Diameter
CST14	3.5	25-38mm
CST15	5.0	38-50mm

Part number	Actual Break Tonne Size	Cable Diameter
CST16	6.0	50-63mm

Fibre Glass Rodding System

FEATURES

- Cobra Rods gives a compact and labour saving solution whether installing cables in ducts, threading rope or surveying drains with a CCTV cameras.
- Reliable and manufactured from the highest quality fibreglass radially reinforced construction available in a choice of diameters
- All rods are mounted on rugged and robust zinc plated steel frames
- Available in different lengths and rod diameters



Part number	Rod Diameter	Available in Length (m)
CR04.5-***	4.5mm	40/60/80/100
CR06-***	6.0mm	60/80/100/150
CR09-***	9.0mm	60/80/100/120/150

Part number	Rod Diameter	Available in Length (m)
CR011-***	11.0mm	100/120/150/200/250/300
Part number to be completed with length needed EG. CR04.5-060 (60m Length)		

Swivel Links

FEATURES

- Swivel links facilitates a flexible rotational connection between the winch bond and the cable protecting the cable whilst allowing the bond to naturally rotate
- All swivels have a safety factor of 3:1
- Special swivel links are available up to 80 tonnes breaking strain on request



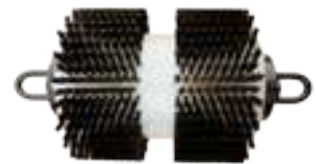
Part number	SWL (kg)	Diameter	Length
SL3	3000	32mm	140mm
SL5	5000	38mm	152mm

Part number	SWL (kg)	Diameter	Length
SL7	7000	42mm	160mm

Duct Brushes

FEATURES

- Designed to clear debris/corrosion from ducting before cable is installed to prevent blockage or potential damage to cable.
- Other materials available such as foam pigs, duct proving mandrels. Please contact your nearest sales office for more information



Part number	Duct Diameter (mm)	Brush Material	Duct Materials
CBD-***	57/80/86/95/108/150/200	Fibre Wires/ Nylon Core	Plastic
WPB-***	80/100/125/150/200/250	Steel Core and Wires	Steel/ Ceramic

Part number	Duct Diameter (mm)	Brush Material	Duct Materials
Part number to be completed with duct diameter (e.g. WDB-057 brush for plastic pipe with 57mm I/D)			

Bellmouth

FEATURES

- Steel hinged bellmouths are inserted into ducts and secured in position with an expansion bolt.
- Bellmouths minimises damage to the cable and the edge of the duct during cable installation
- Standard sizes are below, all sizes are available with a guide roller fitted, simply add an "R" after the code



Part number		Duct Size Range
Without roller	With roller	
SB1	SB1-R	55-63
SB2	SB2-R	76-82
SB3	SB3-R	86-95
SB4	SB4-R	97-104

Part number		Duct Size Range
Without roller	With roller	
SB5	SB5-R	115-124
SB6	SB6-R	146-155
SB7	SB7-R	170-185
SB8	SB8-R	198-220

LUB-P Heavy Duty Pulling Lubricant



Heavy duty pulling lubricant

FEATURES

- White translucent polymer gel which reduces friction making cable pulls easier and safer.
- Reduces the chance of cable sheath damage from high pulling forces
- Designed for heavy cables and difficult cable installations
- The low solids content means less conduit/duct blocking if additional pulls are required
- Compatible with common types of cable jacket materials
- Suitable for installations between temperatures -7 to +44°C

Part number

LUB-P

Size

18.9 litre bucket

LUB-I Medium Duty Pulling Lubricant



Medium duty cable pulling lubricant

FEATURES

- White translucent polymer gel which reduces friction making cable pulls easier and safer.
- Reduces the chance of cable sheath damage from high pulling forces
- Designed for medium/lighter weight cable installations
- The low solids content means less conduit/duct blocking if additional pulls are required
- Compatible with common types of cable jacket materials
- Suitable for installations between temperatures -5 to +45°C

Part number

LUB-I

Size

18.9 litre bucket

Techlube Microsphere 20 Litre



Lubricants with microspheres for telecoms market

FEATURES

- Specially designed lubricant with microspheres for telecoms industry
- Compatible with all forms of cable jackets
- Provides superior friction reduction between cable and all forms of conduit
- Biodegradable, non toxic, water based lubricant

Part number

TLM/20L

Size

20 litre bucket

Solvent Cleaner

FEATURES FOR 1PF

- 1PF high performance residue free solvent cleaner and degreaser for cable cleaning prior to jointing and maintenance
- Residue free cleaning ensures no earth tracking or local hot spots
- High voltage approved up to and including 440kV
- Trigger sprays available to accompany 1 litre bottles
- Designed to IEEE recommendations

FEATURES FOR PFQD

- HYSO-QD fast evaporating, odourless solvent that provides zero residue cleaning for maintenance application
- Recommended for switchgear cleaning and maintenance
- Compatible with resin, plastics and elastomeric rubbers
- High strength low lint wipe
- Trigger sprays available to accompany 1 litre bottles



Solvent cleaner

Part number

1PF

Size

1 litre

Part number

PFQD

Size

1 litre

Cable Cleaning Wipes

FEATURES

- It is a full strength solvent degreaser for cable cleaning prior to the jointing, terminating and kitting of cables
- Non-conductive, non-corrosive and non-staining
- Suitable for use on low, medium and high voltage applications
- Good general solvency power
- Contains no CFCs, HCFCs or hazardous solvents
- Residue free cleaning ensures no earth or local hot spots



PF solvent degreaser for cable cleaning

Part number

JT250

Size

250 wipes

Bitumen Remover Wipes

FEATURES

- Solvent impregnated extra large wipes specifically designed for powerful and efficient bitumen removal during electrical operations
- Use for cable cleaning prior to jointing and maintenance of cables, switchgear and network equipment
- Suitable for use on static and live cable; low, medium and high voltage applications
- Remove oils, soils, tar and bitumen residues



PF-BR Bitumen remover wipes

Part number

P20301-L021-1-1

Size

150 wipes

Underground Warning Tape



Low cost cable warning system

FEATURES

- Economical way of warning excavators of buried cables
- Supplied in standard black on yellow for maximum visibility
- Also available in other colours
- Can be manufactured with specific text
- Each roll covers 365m
- Soil tolerance pH2.5 to pH11.0 inclusive
- Material: low density Polyethylene

Part number	Size	Detail	Description
TAPECAUTION	150mm x 0.05mm x 365m	"Caution Electrical Cable Below"	Black on Yellow
CAUTIONPREMIUM	150mm x 0.1mm x 365m	"Electrical Cable Below"	Black on Yellow

Underground Warning & Location Tape



Detectamesh - Cable protection and location system

FEATURES

- Suitable for use with cable and pipe locators and cable avoidance tools (CAT & GENNY)
- Manufactured from high strength rot resistant homopolymer polypropylene plastic with a traceable stainless steel wire
- Other colours and texts available to order
- Printed with "Caution buried cable below" text - black on yellow
- Each roll covers over 100m
- Manufactured to BS EN 12613:2001
- Can be manufactured with specific text

Part number	Size	Detail	Description
DETECTAMESH	200mm x 1mm x 100m	"Caution Buried Cable Below"	Black on yellow

Underground Warning Tape: Fibre Optic



Wavelay - Cable protection and location system

FEATURES

- Printed with "Caution Fibre Optic Cables" text - black on green
- Each roll covers over 365m
- Tensile strength 680 N/mm²
- Can be manufactured with specific text
- Economical way of warning excavators of buried cables

Part number	Size	Detail
WAVELAY	150mm x 365m	"Caution Fibre Optic Cable Below"

Cable Protection - Tape Tile

FEATURES

- Provides clear warning to third parties
- Damages to cables less likely, therefore reducing cable repair costs and supply disruption
- Rot proof and resistant to wide range of soil conditions
- Approved by utilities worldwide
- Complies with enats 12-23



Flexible high impact polyethylene tile

Part number	Size	Detail	Description
CENTRITILE 150	2.5mm x 150mm x 40m	"Caution Electric Cable Below"	Red brown background with yellow tape and black lettering
CENTRITILE 200	2.5mm x 200mm x 40m	"Caution Electric Cable Below"	Red brown background with yellow tape and black lettering

Cable Protection Covers

FEATURES

- Provides clear warning to third parties
- Lightweight and easy to install
- Damages to cables less likely, therefore reducing cable repair costs and supply disruption
- Rot proof and resistant to wide range of soil conditions
- Can be manufactured to suit application size and text
- Approved by utilities worldwide
- Meets impact requirement of BS 2484
- Utility specific tiles available on request



High level cable protection

Part number	Size	Detail	Description
TILE 152-6	6mm x 152mm x 1m	"Caution Electric Cable Below"	Red background with yellow tape and black lettering
TILE 152-12	12mm x 152mm x 1m	"Caution Electric Cable Below"	Red background with yellow tape and black lettering
TILE 244-12	12mm x 244mm x 1m	"Caution Electric Cable Below"	Red background with yellow tape and black lettering
TILE 300-12	12mm x 300mm x 1m	"Caution Electric Cable Below"	Red background with yellow tape and black lettering

Jointing Tech | Breakdown Service



Problems don't always occur during normal working hours – Jointing Tech offer a 24 hour emergency breakdown service.



We're here when you need us the most.

Breakdown service is chargeable – contact Jointing Tech for more information

Renewables | Working with nature to supply your power

Jointing Tech is a specialist electrical distributor supplying a full range of power cable and accessories into the renewable energy sector.

The Jointing Tech range includes:

- Distribution Transformers
- Switchgear
- Earthing (inc HDC Cable)
- MV Joints
- MV Terminations
- MV Power Cable
- Earthing Design
- Installation
- Lugs & Connectors
- Tool hire & Sales

We are all working to reduce our carbon footprint to make our environment as green as possible. Jointing Tech are leading the way to help you achieve this.

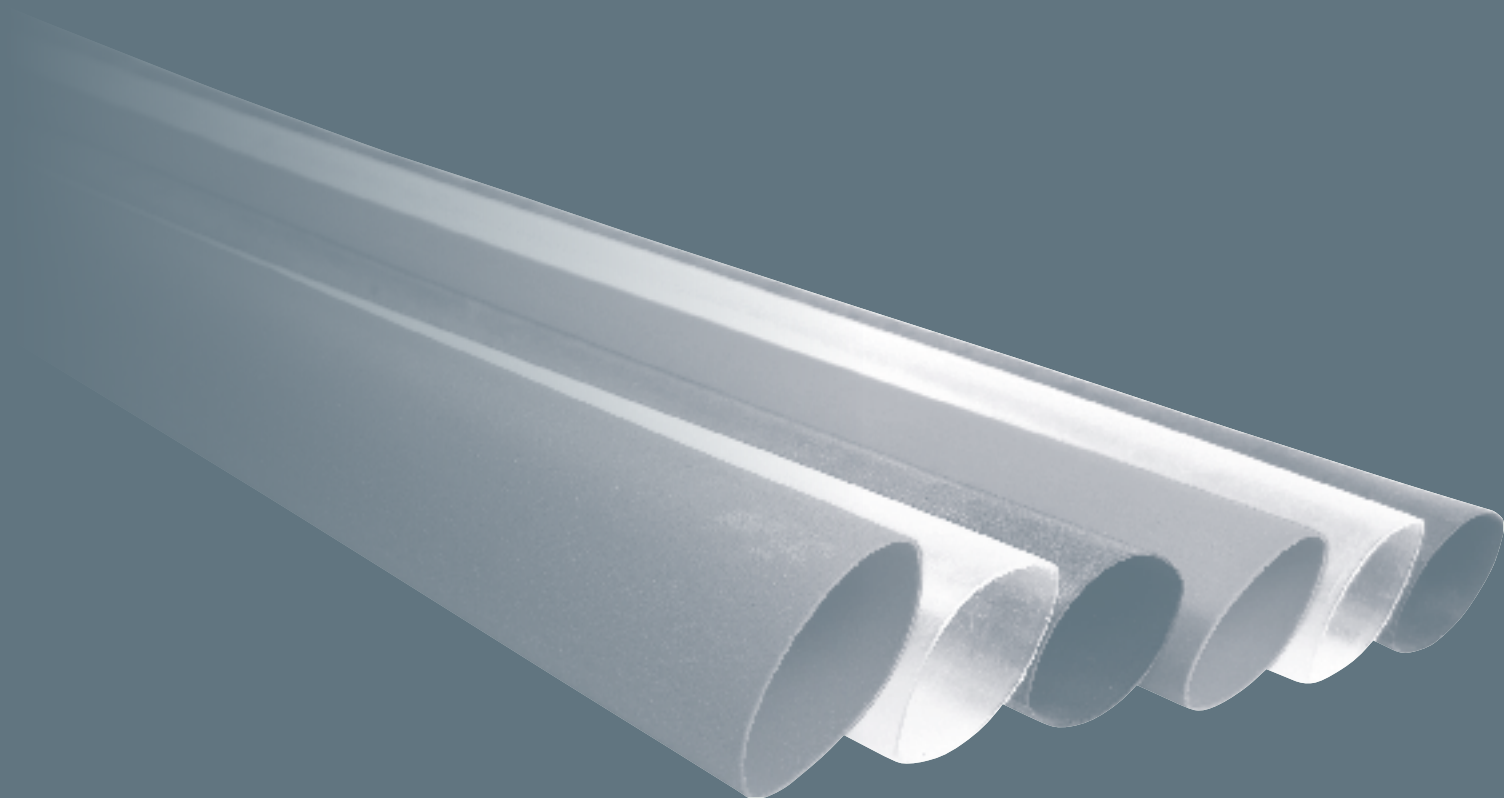
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THE POWER TO DELIVER

Insulation Products

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Thin Wall Heat Shrink Tubing

FEATURES

- Single wall heat shrink tubing is designed for phase marking, bundling, strain relief and electrical insulation
- Flame retardant and abrasion resistance
- Flexible rapid shrinkage with 2:1 shrink ratio
- UV stabilised
- Other colours available on request (MOQ may apply)
- 1000V rated
- Shrinking temperature > 110°C



Heat Shrinkable thin wall insulating tubing

Part number	Spool Length	Application Range
HT6.4-3.2	100m	6-3mm
HT9.5-4.8	100m	10-5mm
HT12.7-6.4	100m	12.7-6.4mm
HT19-9.5	50m	19-10mm
HT25.4-12.7	50m	25-12.5mm

Part number	Spool Length	Application Range
HT38-19	50m	38-20mm
HT51-25.4	25m	50-25mm
HT76.2-38	25m	76-40mm
HT101-51	25m	100-50mm

Medium Wall Heat Shrink Tubing

FEATURES

- Cross linked polyolefin dual wall medium heat shrink tubing is designed for the cable jacketing, sealing and electrical insulation of LV power cables
- Halogen free and resistant to UV light
- Resistant to temperature changes and immune to oils and solvents
- Flexible rapid shrinkage with 3:1 shrink ratio
- Available in 1500mm length as standard
- Available in black only
- Available without internal tubing sealant on request
- 1000V rated
- Shrinking temperature > 110°C
- Tensile strength 14 MPa min
- Dielectric strength > 200kV/cm



Heat Shrinkable medium wall insulating tubing

Part number	Application Range	Length
MWTM10/3	9-3.5mm	1500mm
MWTM16/5	14-5.5mm	1500mm
MWTM25/8	22-9mm	1500mm
MWTM35/12	32-13mm	1500mm
MWTM50/16	45-17mm	1500mm
MWTM63/19	57-21mm	1500mm
MWTM75/22	68-24mm	1500mm

Part number	Application Range	Length
MWTM85/25	76-27mm	1500mm
MWTM95/29	85-31mm	1500mm
MWTM115/34	100-36mm	1500mm
MWTM140/42	125-44mm	1500mm
MWTM160/50	145-52mm	1500mm
MWTM180/60	162-62mm	1500mm

Thick Wall Heat Shrink Tubing



Heat Shrinkable thick wall insulating tubing

FEATURES

- Cross linked polyolefin dual wall thick heat shrink tubing is designed for the cable jacketing, sealing and electrical insulation of LV power cables in underground applications
- The tubings inner co-extruded hot melt adhesive wall gives a dependable moisture seal over most irregular shapes
- Halogen free and resistant to UV light
- Resistant to temperature changes and immune to oils and solvents
- Its mechanical strength enables immediate backfilling of cable trenches after jointing
- Flexible rapid shrinkage with 3:1 shrink ratio
- Available in 1500mm length as standard
- Available in black only
- 1000V rated
- Shrinking temperature > 110C
- Tensile strength 12 MPa min
- Dielectric strength > 170kV/cm

Part number	Application Range	Length
WCSM12/3	10-3.5mm	1500mm
WCSM16/4	14-4.5mm	1500mm
WCSM24/6	22-6.5mm	1500mm
WCSM34/8	31-9.0mm	1500mm
WCSM48/12	44-13mm	1500mm
WCSM56/16	50-17.5mm	1500mm

Part number	Application Range	Length
WCSM70/20	63-22mm	1500mm
WCSM90/25	81-27mm	1500mm
WCSM110/30	100-33mm	1500mm
WCSM130/35	118-38mm	1500mm
WCSM160/50	144-55mm	1500mm
WCSM180/50	162-55mm	1500mm

Heat Shrink Wraparound



Heat Shrinkable wraparound for cable repairs

FEATURES

- Designed to be a fast and permanent cable repair and sealing system for insulation up to 1000V and jacketing applications up to 35kV
- Ideal for repairing long buried cable where it would be impossible to use a tube
- A moisture proof, insulating and tight-fitting repair is then obtained in one step by heating, which makes the sleeve diameter shrink and the adhesive coating melt and flow into the interstices
- Resistant to temperature changes and immune to oils and solvents
- Available in 1500mm lengths as standard and 250mm, 500mm, 750mm and 1000mm on request
- 1000V rated
- Shrinking temperature > 110°C
- Tensile strength 17 MPa min
- Dielectric strength > 180kV/cm

Part number	Application Range	Length
CRSM34/10	21.0-11.0mm	1500mm
CRSM53/13	32.0-17.0mm	1500mm
CRSM84/20	50.0-24.0mm	1500mm
CRSM107/29	65.0-31.0mm	1500mm

Part number	Application Range	Length
CRSM143/36	86.0-33.0mm	1500mm
CRSM198/55	120.0-56.0mm	1500mm
CRSM250/98	150.0-103.0mm	1500mm

Heat Shrink Breakouts

FEATURES

- These breakouts are designed for sealing of cable cores
- Coated with hot melt adhesive which seals on to the cable sheath and core insulation
- Resistant to temperature changes and immune to oils and solvents
- Halogen free and resistant to UV light
- Available in two and three core version on request
- 1000V rated
- Shrinking temperature 110°C
- Dielectric strength 100kV/cm



4 Core Heat Shrink cable breakouts for power cables

Part number	Application Range
4CB6-50	35.0-6.0mm ²
4CB35-70	70.0-35.0mm ²

Part number	Application Range
4CB50-150	150.0-70.0mm ²
4CB185-300	300.0-185.0mm ²

Heat Shrink Cable End Caps

FEATURES

- Cross linked medium wall heat shrink end caps are designed for sealing of cable ends
- Coated with a hot melt adhesive which seals on to the cable sheath
- Resistant to temperature changes and immune to oils and solvents
- Halogen free and resistant to UV light
- 1000V rated
- Shrinking temperature 110°C
- Dielectric strength 100kV/cm



Heat Shrink end caps for power cables

Part number	Application Range
EC4-9	9.0-4.0mm
EC8-18	18.0-8.0mm
EC18-36	36.0-18.0mm
EC28-50	50.0-28.0mm

Part number	Application Range
EC38-70	70.0-38.0mm
EC55-95	95.0-55.0mm
EC70-110	110.0-70.0mm

Heat Shrink Earthing End Caps

FEATURES

- Used to earth a newly installed cable in case a cable is inadvertently made live
- Includes a green sleeve to indicate earthing cap
- Caps are adhesive lined to prevent water ingress
- Can be used on LV and 11kV cables
- Kit consists of Heat Shrink end cap, earth braid, green heat shrink sleeve and nails



Part number	Cable Type	Application Range
CSD01	LV	15-30mm
CSD02	LV	25-50mm
CSD03	LV	45-95mm

Part number	Cable Type	Application Range
CSD04	95mm ² Triplex 11kV (set of 3)	-
CSD05	185-300mm ² Triplex 11kV (set of 3)	-

Cold Shrink Tubes - Network Rail Approved



Cold Shrink tubes - Network Rail Approved

FEATURES

- Approved by Network Rail for terminal insulation and inline joints for track feeder applications
- Improved tough rubber which is suitable for direct burial applications
- Simple installation no external heat source required
- Good thermal stability
- Excellent sealing properties; retaining its resiliency and pressure after prolonged ageing
- Waterproof and resists mould
- Resistant to ozone and UV light
- Resistant to acids and alkali
- Meets worldwide standards ANSI, IEEE, VDE, JCAA, REA & CSA.
- Rated up to 1000V for cable insulation
- Network Rail approved

Part number	Min Cable Size	Max Cable Size	Length
LO41	240mm ²	1000mm ²	228mm
LO42	150mm ²	240mm ²	191mm

Part number	Min Cable Size	Max Cable Size	Length
LA11	380mm ²	1000mm ²	457mm

Cold Shrink Tubes - EPDM Rubber



Cold Shrink tubes in EPDM rubber for LV power cables

FEATURES

- Designed for the sealing and electrical insulation of LV power cables
- Improved tough rubber which is suitable for direct burial applications
- Simple installation no external heat source required
- Good thermal stability
- Excellent sealing properties; retaining its resiliency and pressure after prolonged ageing
- Waterproof and resists mould
- Resistant to ozone and UV light
- Resistant to acids and alkalis
- Meets worldwide standards ANSI, IEEE, VDE, JCAA, REA & CSA.
- Rated up to 1000V for cable insulation

Part number	Diameter Range	Length
8423-6	14.3-7.8mm	152mm
8425-8	20.8-10.2mm	203mm
8426-9	25.4-13.0mm	229mm
8426-11	25.4-13.0mm	279mm
8427-6	33.0-17.5mm	152mm
8427-12	33.0-17.5mm	305mm
8427-16	33.0-17.5mm	406mm
8428-6	49.3-24.0mm	152mm

Part number	Diameter Range	Length
8428-12	49.3-24.0mm	305mm
8428-18	49.3-24.0mm	609mm
8429-6	67.8-32.2mm	152mm
8429-9	67.8-32.2mm	229mm
8429-12	67.8-32.2mm	305mm
8429-18	67.8-32.2mm	457mm
8430-9	93.7-42.6mm	229mm
8430-18	93.7-42.6mm	457mm

Cold Shrink End Caps

FEATURES

- Designed for the sealing and electrical insulation of cable ends
- Suitable for direct burial applications
- Simple installation no external heat source required
- Good thermal stability
- Excellent sealing properties; retaining its resiliency and pressure after prolonged ageing
- Waterproof and resists mould
- Resistant to ozone and UV light
- Resistant to acids and alkalis
- Accommodates size ranges from 11.6-84.3mm
- Once installed can be removed easily by simply lifting the edge of the end cap and slice with a utility knife leaving no adhesive residue or grease
- Meets worldwide standards ANSI, IEEE, VDE, JCAA, REA & CSA
- Rated up to 1000V for cable insulation
- PADS approved



Cold Shrink end caps for LV power cables

Part number	Diameter Range
EC-1	20.9-11.6mm
EC-2	30.1-15.9mm

Part number	Diameter Range
EC-3	49.2-26.0mm
EC-4	84.3-45.5mm

Cold Shrink Abandonment Kits

FEATURES

- A complete kit to abandon LV cable either temporarily or permanently
- Improved tough rubber which is suitable for direct burial applications
- Simple installation no external heat source required
- For use with single and multicore LV power cables up to and including 3.3kV
- Will accommodate lead sheath/corrugated aluminium sheath
- No special tools required
- Environmental sealing and mechanical protection is provided using cold shrink technology
- No need to heat making the installation quick, simple and reliable
- Suitable for ship wiring and offshore cables
- Kit includes: cold shrink end cap and tube, armour continuity and tapes
- Tested up to 3.3kV



Cold Shrink abandonment kits for LV power cables

Part number	Diameter Range
CSCAK/1	18.0-12.0mm
CSCAK/2	25.0-18.0mm
CSCAK/3	42.0-25.0mm

Part number	Diameter Range
CSCAK/4	55.0-42.0mm
CSCAK/5	81.0-56.0mm

Medium Voltage Busbar Tape



Medium voltage busbar insulation tape

FEATURES

- HVBT tape is an adhesive-coated, high-voltage, heat shrinkable general purpose tape for insulating straight and bent bars in retrofit applications where tubing cannot be used
- Compatible with all other products in the Raychem MV insulation enhancement system
- Flashover protection to 15kV increasing to 25kV with second layer
- Easy to apply using readily available equipment
- Suitable for both indoor and outdoor use
- Tested to ASTM D149, IEC 243, ISO 188, ASTM D2671, ASTM D257, IEC 93 and VDE 0370

Part number	Width	Length per Roll
HVBT-12-A	25mm	10m
HVBT-14-A	50mm	10m

Part number	Width	Length per Roll
HVBT-15-A	75mm	10m
HVBT-16-A	100mm	10m

Medium Voltage Busbar Insulation Sheet



Adhesive coated heat shrinkable sheet

FEATURES

- HVIS sheet is a biaxially expanded medium voltage material designed to provide high performance insulation for complex geometries
- Easy to install on site using gas torch or hot air device
- Excellent UV and weather resistant properties
- Suitable for both indoor and outdoor use
- Tested to ANSI C37.20c1976 for 15kV class equipment and IEC 298 for 36kV class equipment

Part number	Description	Sheet Size
HVIS-05	-	0.5m x 660mm (3 per kit)
HVIS-10	-	10.0m x 660mm

Part number	Description	Sheet Size
HVIS-TOOLS-01	Installation Clamp Kit	-
S1061-8-300	Filler Mastic	-

Insulation Sheet Details

Busbar	Rated Voltage (kV)	Phase to Phase (mm)	Phase to Ground (mm)	IEC 71-2 air clearance (mm)
Round	12	55	65	120
	17.5	70	85	160
	24	95	125	220
	36	150	205	320
Rectangle	12	65	75	120
	17.5	85	104	160
	24	115	150	220
	36	200	285	320

Medium Voltage Heat Shrink Busbar Tubing for installations up to 24kV

FEATURES

- BPTM tubing for use on straight or bent bars where some clearance reduction or 24 kV insulation is required
- Compatible with all other products in Raychem MV insulation enhancement system
- Flame retardant and halogen free
- Excellent flexibility can be installed on a wide range of curved or bent busbars without cracking
- Exceptional insulation and long term reliability even at continuous operating temperatures
- Tested to IEC 216, ASTM D2671, IEC 112, VDE 0303/1 & IEC 243



Heat Shrinkable busbar insulation tubing

Part number	Shrink Range	Spool Length
BPTM15/6-A/U	15-6mm	30m
BPTM30/12-A/U	30-12mm	30m
BPTM50/20-A/U	50-20mm	30m
BPTM75/30-A/U	75-30mm	20m

Part number	Shrink Range	Spool Length
BPTM100/40-A/U	100-40mm	25m
BPTM120/50-A/U	120-50mm	25m
BPTM175/70-A/U	175-70mm	15m

Medium Voltage Heat Shrink Busbar Tubing for installations up to 33kV

FEATURES

- BBIT tubing for use on straight or bent bars where some clearance reduction or 33kV insulation is required
- Excellent flexibility, can be installed on a wide range of curved or bent busbars without cracking or creasing
- Compatible with all other products in Raychem MV insulation enhancement system
- Flame retardant and halogen free
- Exceptional insulation and long term reliability even at continuous operating temperatures
- Tested to IEC 216, ASTM D2671, IEC 112, VDE 0303/1 & IEC 243



Heat Shrinkable busbar insulation tubing

Part number	Application Range	Spool Length
BBIT25/10-A/U	25.0-10.0mm	25m
BBIT40/16-A/U	40.0-16.0mm	20m
BBIT65/25-A/U	65.0-25.0mm	15m

Part number	Application Range	Spool Length
BBIT100/40-A/U	100.0-40.0mm	15m
BBIT150/60-A/U	150.0-60.0mm	15m
BBIT175/80-A/U	175.0-80.0mm	10m

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LV Joints

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LV Inline Resin Joints - Armoured Cables

FEATURES

- Designed to connect LV power cables inline by encapsulating in a resin filled shell
- Excellent mechanical protection
- Clear rigid joint shells to aid correct installation
- Large shell design allows the use of mechanical connectors
- Available with NEW REACH compliant HDI resin on request
- Kit comprises mould shell, 2 part polyurethane MDI resin, earth continuity kit, PVC tapes, gloves and crimp ferrules (on request)
- Mechanical connectors suitable for this range are available on page 26
- 1000V Rated
- Tested to BS EN 50393
- Tested to Engineering Standard C81

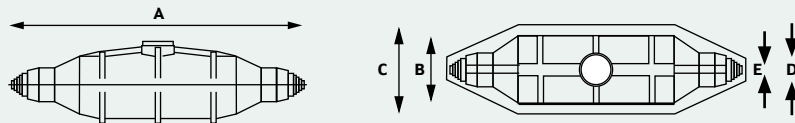


Inline resin joints for LV armoured power cables

Part number	Maximum Cable Size
MDI Resin	HDI Resin
TSJ-6	TSJ-6-HDI
TSJ-16	TSJ-16-HDI
TSJ-35	TSJ-35-HDI
TSJ-70	TSJ-70-HDI

Part number	Maximum Cable Size
MDI Resin	HDI Resin
TSJ-120	TSJ-120-HDI
TSJ-185	TSJ-185-HDI
TSJ-300	TSJ-300-HDI

Straight Joints Data



Part Number	Dimensions mm				
	A	B	C	ØD	ØE
TSJ-6	275	50	85	21	9
TSJ-16	295	60	95	27	15
TSJ-35	330	80	115	33	21
TSJ-70	395	110	140	41	29
TSJ-120	575	120	150	57	39
TSJ-185	670	135	170	67	49
TSJ-300	870	160	195	77	59

Straight Joints Selection Table

Part Number	Cable conductor size mm ²			Cable entry diameter mm	
	2-core	3-core	4-core	min	max
TSJ-6	1.5 - 10	1.5 - 10	1.5 - 6	9	21
TSJ-16	10 - 25	10 - 25	10 - 16	15	27
TSJ-35	35 - 50	35 - 50	25 - 35	21	33
TSJ-70	70 - 95	70 - 95	50 - 70	29	41
TSJ-120	120 - 150	120 - 150	95 - 120	39	57
TSJ-185	185 - 240	185 - 240	150 - 185	49	67
TSJ-300	300	300	240 - 300	59	77

Please contact your local sales office to join other cable variations

LV Inline Resin Joints Plastic/Paper - Armoured Cables



Inline resin joints for LV armoured power cables

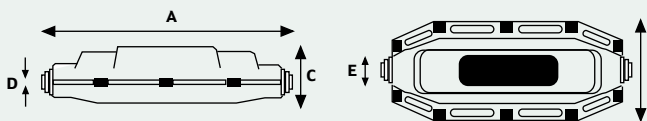
FEATURES

- Designed to connect LV power cables inline by encapsulating in a resin filled shell
- Excellent mechanical protection
- Large transparent, high impact resistant shells
- Large, extra wide shell design allows the use of mechanical connectors
- Clear resin bags to aid with mixing process
- All resin joints kit supplied with NEW REACH compliant JEM resin
- Kit comprises mould shell, JEM resin, earth continuity kit, PVC tapes, gloves and crimp ferrules (on request)
- Mechanical connectors suitable for this range are available on page 26
- 1000V Rated
- Tested to BS EN 50393
- Tested to Engineering Standard C81

Part number	Maximum Cable Size
JST6	6mm ² x 4 Core
JST16	16mm ² x 4 Core
JST35	35mm ² x 4 Core
JST95	95mm ² x 4 Core

Part number	Maximum Cable Size
JST185	185mm ² x 4 Core
JST300	300mm ² x 4 Core
JST400	400mm ² x 4 Core

Straight Joints Data



Part Number	Dimensions mm				
	A	B	C	D	E
JST6	240	115	75	12	22
JST16	310	125	85	20	35
JST35	390	130	100	24	40
JST95	620	160	130	27	51
JST185	795	230	205	40	65
JST300	950	240	210	55	80
JST400	1100	275	260	56	92

Straight Joints Selection Table

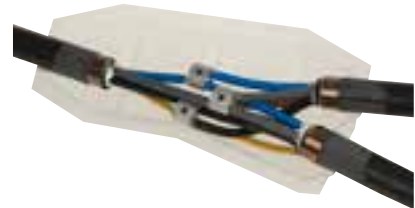
Part Number	Cable conductor size mm ²			Cable entry diameter mm	
	2-core	3-core	4-core	Min	Max
JST6	1.5 - 10	1.5 - 6	1.5 - 6	12	22
JST16	16 - 25	10 - 25	10 - 16	20	35
JST35	35	35	25 - 35	24	40
JST95	50 - 95	50 - 95	50 - 95	27	51
JST185	120 - 185	120 - 185	120 - 185	40	65
JST300	240 - 300	240 - 300	240 - 300	55	80
JST400	400	400	400	56	92

Please contact your local sales office to join other cable variations

LV Branch Resin Joints - Armoured Cables

FEATURES

- Designed to connect LV power cables in branch formation by encapsulating in a resin filled shell
- Excellent mechanical protection
- Clear rigid joint shells to aid correct installation
- Large shell design allows the use of mechanical connectors
- Available with NEW REACH compliant HDI resin on request
- Kit comprises mould shell, 2 part polyurethane MDI resin, earth continuity kit, PVC tapes and gloves
- Mechanical connectors suitable for this range are available on page 26
- 1000V Rated
- Tested to BS EN 50393
- Tested to Engineering Standard C81

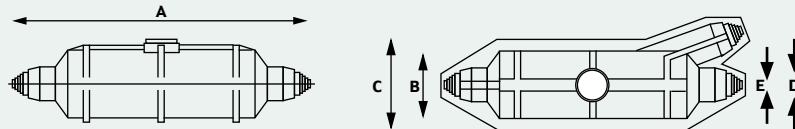


Branch Resin joints for LV armoured power cables

Part number	Maximum Cable Size
MDI Resin	HDI Resin
TBJ-6	TBJ-6-HDI
TBJ-16	TBJ-16-HDI
TBJ-35	TBJ-35-HDI
TBJ-70	TBJ-70-HDI

Part number	Maximum Cable Size
MDI Resin	HDI Resin
TBJ-120	TBJ-120-HDI
TBJ-185	TBJ-185-HDI
TBJ-300	TBJ-300-HDI

Branch Joints Data



Part Number	Dimensions				
	A	B	C	ØD	ØE
TBJ-6	245	60	120	21	9
TBJ-16	315	75	140	27	15
TBJ-35	380	100	170	33	21
TBJ-70	470	120	185	41	29
TBJ-120	595	150	220	57	39
TBJ-185	690	180	240	67	49
TBJ-300	870	195	275	77	59

Branch Joints Selection Table

Part Number	Cable conductor size mm ²			Cable entry diameter mm	
	2-core	3-core	4-core	min	max
TBJ-6	1.5 - 10	1.5 - 10	1.5 - 6	9	21
TBJ-16	10 - 25	10 - 25	10 - 16	15	27
TBJ-35	35 - 50	35 - 50	25 - 35	21	33
TBJ-70	70 - 95	70 - 95	50 - 70	29	41
TBJ-120	120 - 150	120 - 150	95 - 120	39	57
TBJ-185	185 - 240	185 - 240	150 - 185	49	67
TBJ-300	300	300	240 - 300	59	77

Please contact your local sales office to join other cable variations

LV Branch Resin Joints Plastic/Paper - Armoured Cables



Branch Resin joints for LV armoured power cables

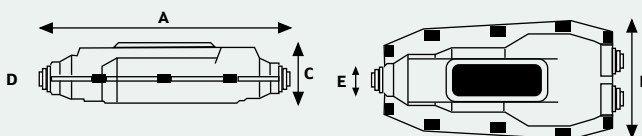
FEATURES

- Designed to connect LV power cables in branch formation by encapsulating in a resin filled shell
- Excellent mechanical protection
- Large transparent, high impact resistant shells
- Clear resin bags to aid with mixing process
- All resin joints kit supplied with NEW REACH compliant JEM resin
- Kit comprises mould shell, JEM resin, earth continuity kit, PVC tapes and gloves
- Mechanical connectors suitable for this range are available on page 26
- 1000V Rated
- Tested to BS EN 50393
- Tested to Engineering Standard C81

Part number	Maximum Cable Size
JBR-6	6mm ² x 4 Core
JBR-16	16mm ² x 4 Core
JBR-35	35mm ² x 4 Core

Part number	Maximum Cable Size
JBR-95	95mm ² x 4 Core
JBR-185	185mm ² x 4 Core
JBR-300	300mm ² x 4 Core

Branch Joints Data



Part Number	Dimensions mm				
	A	B	C	D	E
JBR-6	240	125	75	12	22
JBR-16	345	160	95	20	35
JBR-35	435	175	100	24	40
JBR-95	650	210	190	27	51
JBR-185	870	250	230	40	65
JBR-300	1020	300	310	55	80

Branch Joints Selection Table

Part Number	Cable conductor size mm ²			Cable entry diameter mm	
	2-core	3-core	4-core	min	max
JBR-6	1.5 - 10	1.5 - 6	1.5 - 6	12	22
JBR-16	16 - 25	10 - 25	10 - 16	20	35
JBR-35	35	35	25 - 35	24	40
JBR-95	50 - 95	50 - 95	50 - 95	27	51
JBR-185	120 - 185	120 - 185	120 - 185	40	65
JBR-300	240 - 300	240 - 300	240 - 300	55	80

Please contact your local sales office to join other cable variations

LV Inline Resin Joints - Unarmoured Cables

FEATURES

- Designed to connect inline unarmoured LV power cables by encapsulating in a resin filled shell
- One part mould body with snap fit closing system for a simpler installation
- Supplied with European legislation (REACH) compliant two part polyetherurethane resin
- Kit comprises mould shell, Scotchcast 470W resin, snap in five core spacer, abrasive sponge, gloves and crimp ferrules (on request)
- Tested to BS EN 50393



Inline resin joints for LV unarmoured power cables

Part number	Maximum cable size mm ²
91-NBA-0	4mm ² x 4 Core
91-NBA-1	10mm ² x 4 Core
91-NBA-3	35mm ² x 4 Core
91-NBA-4	50mm ² x 4 Core

Part number	Maximum cable size mm ²
91-NBA-5	95mm ² x 4 Core
91-NBA-6	150mm ² x 4 Core
91-NBA-7	240mm ² x 4 Core

LV Inline Resin Joints - Pilot & Telecom Cables

FEATURES

- Designed to connect inline pilot and telecom cables by encapsulating in a resin filled shell
- One part mould body with snap fit closing system for a simpler installation
- Supplied with European legislation (REACH) compliant two part polyetherurethane resin
- Kit comprises mould shell, Scotchcast 470W resin, copper stocking, constant force springs, Scotch 23 tape, web spacer tape and crimp ferrules (on request)
- Tested to BS EN 50393



Inline resin joints for pilot and telecom cables

Part number	Maximum cable size mm ²	
	Telecom	Pilot
LVI-1/2-PT	2 Pair 0.9mm ²	-
LVI-1/3-PT	5-15 Pair 0.9mm ²	2-4 Core 1.5-2.5mm ²
LVI-1/4-PT	20-30 Pair 0.9mm ²	7-19 Core 1.5-2.5mm ²

Part number	Maximum cable size mm ²	
	Telecom	Pilot
LVI-1/5-PT	40-50 Pair 0.9mm ²	27-37 Core 1.5-2.5mm ²
LVI-1/6-PT	60-100 Pair 0.9mm ²	-

LV Inline Petrochemical Resin Joints - Armoured Cables

FEATURES

- Designed to connect inline multi-core, armoured polymeric, low voltage energy cables in hazardous areas
- Two part mould body with snap fit closing system for quick and easy handling
- Transparent flame retardant mould body for easy control of connector distances
- Flame retardant according to UL94 V0
- Chemical resistant, especially against hydro carbons
- Supplied with new European standard (REACH) compliant 1402 FR hazardous area resin



Inline petrochemical resin joints for LV armoured power cables

Part number	Maximum cable size mm ²
LVI-3/2-C	6mm ² x 4 core
LVI-3/3-C	16mm ² x 4 core
LVI-3/4	35mm ² x 4 core
LVI-3/5	70mm ² x 4 core

Part number	Maximum cable size mm ²
LVI-3/6	120mm ² x 4 core
LVI-3/7	185mm ² x 4 core
LVI-3/8	400mm ² x 4 core

Heat Shrink Joint - Multicore Cables



Heat Shrink joint for armoured multicore cables

FEATURES

- Designed to connect LV armoured multicore cables within a heat shrink joint
- Suitable for indoor or outdoor environments
- Excellent electrical insulation and mechanical strength from protective liner
- Simple and fast installation - no curing time
- Immediate backfill
- 1000V Rated
- Tested to BS EN 50393
- Temperature Rating -50°C to +50°C

Part number	Maximum cable size mm ²
ECKJ-0017	1-2.5mm ² x 7 Core
ECKJ-0018	1-2.5mm ² x 14 Core
ECKJ-0019	1-2.5mm ² x 21 Core

Part number	Maximum cable size mm ²
ECKJ-0020	1-2.5mm ² x 40 Core
ECKJ-0021	1-2.5mm ² x 75 Core

Multicore with Armour Data

Part Number	Number of Cores	Size of Conductor mm ²	Diameter over Inner Sheath mm	Overall Diameter mm
ECKJ-0017	4-7	1-2.5	9-15	14-23
ECKJ-0018	8-14	1-2.5	10-18	15-26
ECKJ-0019	15-21	1-2.5	18-26	24-35
ECKJ-0020	22-40	1-2.5	23-26	30-45
ECKJ-0021	41-75	1-2.5	32-44	39-55

Heat Shrink Joint - Multi-Pair Cables



Heat Shrink joint for armoured multipair cables

FEATURES

- Designed to connect LV armoured multipair cables within a heat shrink joint.
- Suitable for indoor or outdoor environments
- Excellent electrical insulation and mechanical strength from protective liner
- Simple and fast installation - no curing time
- Immediate backfill
- 1000V Rated
- Tested to BS EN 50393
- Temperature Rating -50°C to +50°C

Part number	Maximum cable size mm ²
ECKJ-0140	0.6-1mm ² - 1- 4 Pair
ECKJ-0141	0.6-1mm ² - 5-7 Pair
ECKJ-0142	0.6-1mm ² - 8-19 Pair

Part number	Maximum cable size mm ²
ECKJ-0143	0.6-1mm ² - 20-37 Pair
ECKJ-0144	0.6-1mm ² - 38-61 Pair

Multipair with Armour Data

Part Number	Number of Pairs	Size of Conductor mm ²	Diameter over Inner Sheath mm	Overall Diameter mm
ECKJ-0140	1-4	0.6 - 2 x 1.0	9-15	15-23
ECKJ-0141	5-7	0.6 - 2 x 1.0	10-18	15-26
ECKJ-0142	8-19	0.6 - 2 x 1.0	18-26	24-35
ECKJ-0143	20-37	0.6 - 2 x 1.0	23-26	30-45
ECKJ-0144	38-61	0.6 - 2 x 1.0	32-44	39-55

Straight Heat Shrink Joint - Armoured Cables

FEATURES

- Designed to connect inline LV armoured cables within a heat shrink joint
- Ideal for vertical installations in indoor and outdoor environment
- Excellent electrical insulation and mechanical strength from protective liner
- Simple and fast installation - no curing time
- Immediate backfill
- 1000V Rated
- Tested to BS EN 50393
- Temperature Rating -50°C to +50°C



Straight heat shrink joints for LV armoured cables

Part number	Maximum cable size
AR101	1.5-4mm ² 4 core
AR102	6-16mm ² 4 Core
AR3	25-50mm ² 4 Core

Part number	Maximum cable size
AR4	70-150mm ² 4 Core
AR5	185-300mm ² 4 Core

LUL Approved Straight Heat Shrink Joint - Armoured Cables

FEATURES

- Designed to connect inline LV armoured cables within a heat shrink joint
- Ideal for vertical installations in indoor and outdoor environment
- Excellent electrical insulation and mechanical strength from protective liner
- Simple and fast installation - no curing time
- Immediate backfill
- Low Smoke Zero Halogen
- 1000V Rated
- Tested to BS EN 50393
- London Underground approved
- Temperature Rating -50°C to +50°C



Straight heat shrink joints for LV armoured cables

Part number	Maximum cable size
SMOE82051	185-300mm ²
SMOE82244	13 PAIR 1.5mm ²

Part number	Maximum cable size
SMOE82231	37 PAIR 1.5mm ²

Straight Cold Shrink Joint Kit

FEATURES

- Designed to connect inline LV armoured and unarmoured cables within a cold applied joint
- Low temperature installation - no heat required
- Faster installation time with pullout
- Improved rubber formulation withstands rough backfilling
- Waterproof seal
- 1000V Rated
- Tested to BS EN 50393



Straight cold shrink joints for LV armoured and unarmoured cables

Part number	Max Cable Diameter	Diameter over Armour
LC1	16.2 - 33.1mm	9 - 15mm
LC2	16.2 - 33.1mm	14 - 22mm
LC3	16.2 - 33.1mm	18.5 - 29mm

Part number	Max Cable Diameter	Diameter over Armour
LC4	24.9 - 56.4mm	23.5 - 37mm
LC5	37.8 - 84.3mm	31 - 50mm
LC6	37.8 - 84.3mm	44 - 70mm

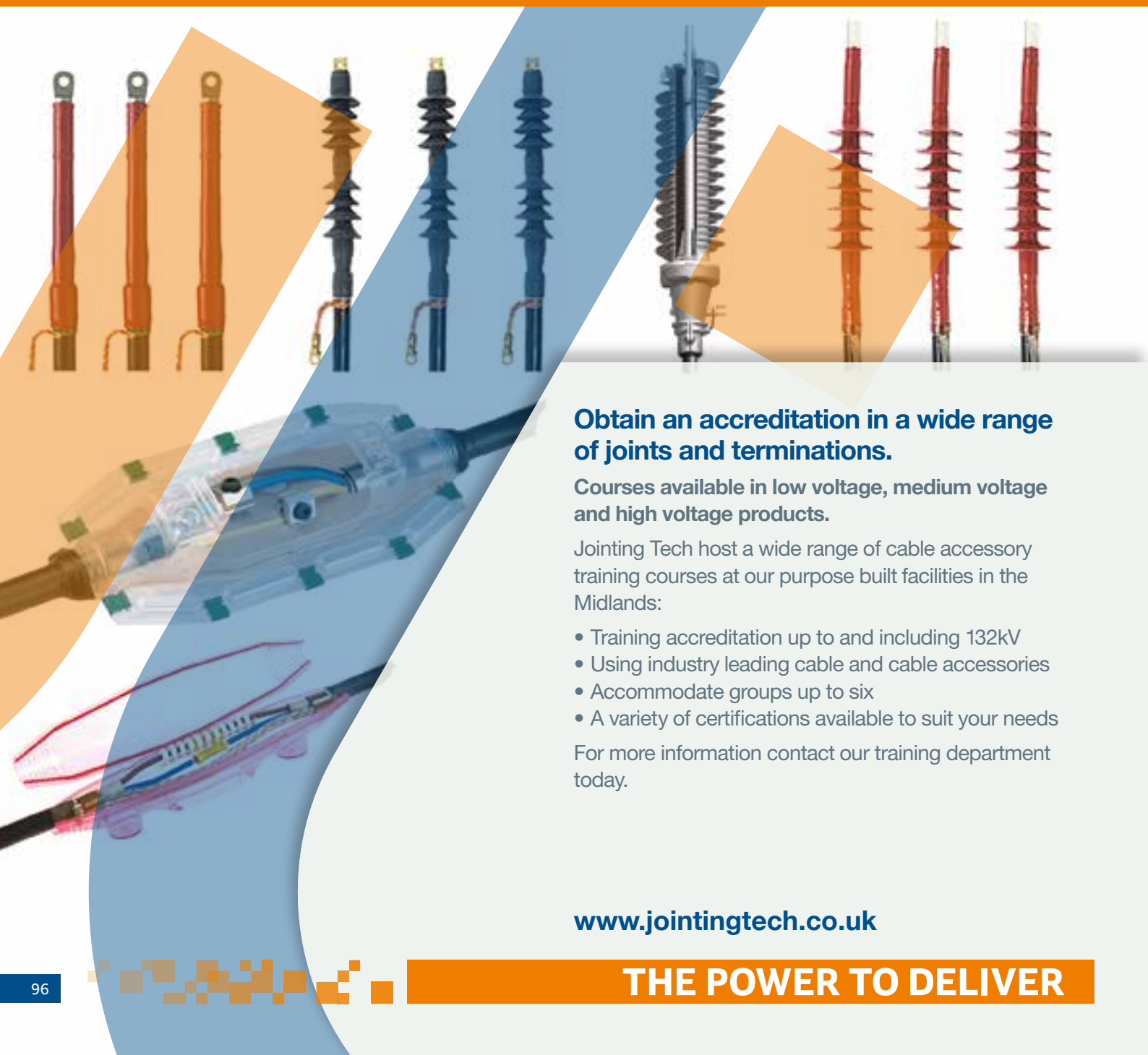
Tidal Power Generation



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MV Terminations

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Single Core Termination with Integral Stress Control for XLPE Cable - Indoor

FEATURES

- Designed to terminate single core, polymeric insulated 11kV cables in indoor applications to switchgear and cable end boxes
- Suitable for both copper wire and copper tape screen cables
- Highly reliable UK industry standard termination
- Range taking with few components needed
- New ceramic stress control
- Compact design
- No shelf life limitation
- Suitable for use on 11kV triplex cables
- Kit contents: Insulation tubing including co-extruded stress control, sealant tapes and installation instructions
- Tested in accordance with CENELEC specification HD 629.1 and IEC, which encompasses IEC, BS and VDE etc.
- All IXSU/OXSU components have full traceability of raw materials and manufacture according to ISO 9001 and ISO 14001



Single core heat shrink termination for XLPE cables in indoor applications

Part number	Conductor Size
IXSU-F-3111	10-35mm ²
IXSU-F-3121	25-95mm ²
IXSU-F-3131	95-240mm ²

Part number	Conductor Size
IXSU-F-3141	240-500mm ²
IXSU-F-3151	500-800mm ²
IXSU-F-3161	1000-1200mm ²

Single Core Termination for XLPE Copper Wire Screened Cables - Indoor

FEATURES

- Designed to terminate single core, copper wire screened polymeric insulated 11kV cables in indoor applications to switchgear and cable end boxes
- No tools, easy install and ultra lightweight assembly
- Range taking with few components needed
- Inorganic cold shrink silicone insulation
- Kit contents: Termination body and mastic seal
- Tested in accordance CENELEC specification HD629.1 and IEC60502.04 which encompasses the BS, VDE etc.
- Versatile design of the prefabricated one-piece cold shrink termination body allows installation on a wide range of cable sizes and types and a fast and easy installation at temperatures ranging from -20°C to +50°C



QTIII series single core cold shrink termination for XLPE cables indoor

Part number	Conductor Size
92-EP621-1	50-95mm ²
92-EP631-1	120-400mm ²

Part number	Conductor Size
92-EP641-1	500-630mm ²
92-EP656-1	800-1000mm ²

Single Core Termination for XLPE Copper Tape Screened Cables - Indoor



FEATURES

- Designed to terminate single core, copper tape screened armoured polymeric insulated 11kV cables in indoor applications to switchgear and cable end boxes
- No tools, easy install and ultra lightweight assembly
- Range taking with few components needed
- Inorganic cold shrink silicone insulation
- Kit contents: Termination body, earthing kit and mastic seal
- Tested in accordance CENELEC specification HD629.1 which encompasses the BS, VDE etc.

QTH series single core cold shrink termination for XLPE cables indoor

Part number	Conductor Size
92-EP623-1	50-95mm ²
92-EP633-1	120-150mm ²

Part number	Conductor Size
92-EP643-1	185-400mm ²
92-EP653-1	500-630mm ²

Single Core Termination with Integral Stress Control for XLPE Cable - Outdoor

FEATURES

- Designed to terminate single core, polymeric insulated 11kV cables in outdoor applications such as pole top assemblies
- Highly reliable UK industry standard termination
- Range taking with few components needed
- New ceramic stress control
- Compact design
- No shelf life limitation
- Suitable for use on 11kV triplex cables
- Kit contents: Insulation tubing including co-extruded stress control, sealant tapes and installation instructions
- Tested in accordance with CENELEC specification HD 629.1 which encompasses IEC 60502.04, BS and VDE etc.
- All IXSU/OXSU components have full traceability of raw materials and manufacture according to ISO 9001 and ISO 14001



Single core heat shrink termination for XLPE cables in outdoor applications

Part number	Conductor Size
OXSU-F-3111	10-35mm ²
OXSU-F-3121	25-95mm ²
OXSU-F-3131	95-240mm ²

Part number	Conductor Size
OXSU-F-3141	240-400mm ²
OXSU-F-3151	500-800mm ²
OXSU-F-3161	1000-1200mm ²

Single Core Termination for XLPE Copper Wire Screened Cables - Outdoor

FEATURES

- Designed to terminate single core, copper wire screened polymeric insulated 11kV cables in outdoor applications such as pole top assemblies
- No tools, easy install and ultra lightweight assembly
- Range taking with few components needed
- Inorganic cold shrink silicone insulation
- Kit contents: Termination body and mastic seal
- Tested in accordance CENELEC specification HD629.1 which encompasses the BS, VDE etc.
- Versatile design of the prefabricated one-piece cold shrink termination body allows installation on a wide range of cable sizes and types and a fast and easy installation at temperatures ranging from -20°C to +50°C
- Skirts are integrated for easier and faster installation
- Cold shrink technology ensures quick, easy and safe installation.



QTIII series single core cold shrink termination for XLPE outdoor cables

Part number	Conductor Size
92-EP621-2	50-95mm ²
92-EP631-2	120-400mm ²

Part number	Conductor Size
92-EP641-2	500-630mm ²

Single Core Termination for XLPE Copper Tape Screened Cables - Outdoor



QTIII series single core cold shrink termination for XLPE outdoor cables

FEATURES

- Designed to terminate single core, polymeric insulated 11kV cables with copper tape screen, armour and or lead sheath
- No tools, easy install and ultra lightweight assembly
- Range taking with few components needed
- Inorganic cold shrink silicone insulation
- Tested in accordance CENELEC specification HD629.1 which encompasses the BS, VDE etc.
- Versatile design of the prefabricated one-piece cold shrink termination body allows installation on a wide range of cable sizes and types and a fast and easy installation at temperatures ranging from -20°C to +50°C
- Solderless earth connection using constant force springs
- Skirts are integrated for easier and faster installation
- Cold shrink technology ensures quick, easy and safe installation

Part number	Conductor Size
92-EP623-2	50-95mm ²
92-EP633-2	120-150mm ²

Part number	Conductor Size
92-EP643-2	185-400mm ²
92-EP653-2	500-630mm ²

Three Core Terminations for XLPE Cables - Indoor

FEATURES

- Designed to terminate three core, polymeric insulated 11kV cables in indoor applications to switchgear and cable end boxes
- Kit contents: stress control tubing, sealant coated breakouts and core insulation sleeves, sealant tapes, and installation instructions
- Tested in accordance with CENELEC specification HD 629.1 which encompasses IEC, BS and VDE etc



Three core heat shrink termination for XLPE cables in indoor applications

Part number	Conductor Size	Tail Length
EPKT17A3XIH2	16-25mm ²	650mm
EPKT17A3XIH4	16-25mm ²	1200mm
EPKT17B3XIH2	35-70mm ²	650mm
EPKT17B3XIH4	35-70mm ²	1200mm

Part number	Conductor Size	Tail Length
EPKT17C3XIH2	95-240mm ²	650mm
EPKT17C3XIH4	95-240mm ²	1200mm
EPKT17D3XIH2	300-400mm ²	650mm
EPKT17D3XIH4	300-400mm ²	1200mm

Three Core Termination with Integral Stress Control for XLPE Cable - Indoor

FEATURES

- Designed to terminate three core, polymeric insulated 11kV cables in indoor applications to switchgear and cable end boxes
- Highly reliable UK industry standard termination
- Range taking with few components needed
- New ceramic stress control
- Compact design
- No shelf life limitation
- Conductive tubing allows the crossing of the cores below the screen cut.
- Additional tubing is available should the tail lengths need to be increased above 1200mm.
- Kit contents: Insulation tubing including co-extruded stress control, sealant tapes, conductive breakouts and installation instructions
- Tested in accordance with CENELEC specification HD 629.1 which encompasses IEC, BS and VDE etc.
- All IXSU/OXSU components have full traceability of raw materials and manufacture according to ISO 9001 and ISO 14001



Three core heat shrink termination for XLPE cables in indoor applications

Part number	Conductor Size	Tail Length
IXSU-F-3301	10-16mm ²	450mm
IXSU-F-3304	10-16mm ²	1200mm
IXSU-F-3311	16-35mm ²	450mm
IXSU-F-3314	16-35mm ²	1200mm
IXSU-F-3321	25-70mm ²	450mm

Part number	Conductor Size	Tail Length
IXSU-F-3324	25-70mm ²	1200mm
IXSU-F-3331	95-240mm ²	450mm
IXSU-F-3334	95-240mm ²	1200mm
IXSU-F-3341	240-500mm ²	450mm
IXSU-F-3344	240-500mm ²	1200mm



Three Core Terminations for XLPE Copper Tape Screened Cables - Indoor



QTIII series three core cold shrink termination for XLPE cables indoor

FEATURES

- Designed to terminate three core, copper tape screened armoured polymeric insulated 11kV cables in indoor applications to switchgear and cable end boxes
- No tools, easy install and ultra lightweight assembly
- The versatile design of the prefabricated one-piece cold shrink termination body allows installation on a wide range of cable sizes and types and a fast and easy installation at temperatures ranging from -20°C to $+50^{\circ}\text{C}$
- Range taking with few components needed
- Inorganic cold shrink silicone insulation
- Kit contents: Termination body, breakouts, re-jacketing sleeve, earthing kit and mastics
- Tested in accordance CENELEC specification HD629.1 which encompasses the BS, VDE etc.

Part number	Conductor Size
92-EP626-3	50-120mm ²
92-EP636-3	150-185mm ²

Part number	Conductor Size
92-EP646-3	240-300mm ²
92-EP656-3	150-400mm ²



Three Core Terminations for PILC/PICAS Cables - Indoor



Three core heat shrink termination for PILC/PICAS cables in indoor applications

FEATURES

- Designed to terminate three core, paper insulated 11kV cables in indoor applications to switchgear and cable end boxes
- Available in 650mm and 1200mm tail lengths
- Compatible with crimp and mechanical lugs
- Range taking terminations with four sizes covering 16 to 400mm²
- Kit contents: stress control tubing, sealant coated breakouts and core insulation sleeves, sealant tapes, oil barrier tubes and installation instructions
- Tested in accordance with CENELEC specification HD629.1 which encompasses IEC, BS and VDE etc

Part number	Conductor Size	Tail Length
EPKT17A3MIH2	16-25mm ²	650mm
EPKT17A3MIH4	16-25mm ²	1200mm
EPKT17B3MIH2	35-70mm ²	650mm
EPKT17B3MIH4	35-70mm ²	1200mm

Part number	Conductor Size	Tail Length
EPKT17C3MIH2	95-240mm ²	650mm
EPKT17C3MIH4	95-240mm ²	1200mm
EPKT17D3MIH2	300-400mm ²	650mm
EPKT17D3MIH4	300-400mm ²	1200mm

Three Core Terminations for XLPE Cables - Outdoor

FEATURES

- Designed to terminate three core, polymeric insulated 11kV cables in outdoor applications such as pole top assemblies
- Kit contents: stress control tubing, sealant coated breakouts and core insulation sleeves, sealant tapes, and installation instructions
- Tested in accordance with CENELEC specification HD629.1 which encompasses IEC, BS and VDE etc



Three core heat shrink termination for XLPE cables in outdoor applications

Part number	Conductor Size	Tail Length
EPKT17A3XOH2	16-25mm ²	650mm
EPKT17A3XOH4	16-25mm ²	1200mm
EPKT17B3XOH2	35-70mm ²	650mm
EPKT17B3XOH4	35-70mm ²	1200mm

Part number	Conductor Size	Tail Length
EPKT17C3XOH2	95-240mm ²	650mm
EPKT17C3XOH4	95-240mm ²	1200mm
EPKT17D3XOH2	300-400mm ²	650mm
EPKT17D3XOH4	300-400mm ²	1200mm

Three Core Termination with Integral Stress Control for XLPE Cable - Outdoor

FEATURES

- Designed to terminate three core, polymeric insulated 11kV cables in outdoor applications such as pole top assemblies
- Highly reliable UK industry standard termination
- Range taking with few components needed
- New ceramic stress control
- Compact design
- No shelf life limitation
- Conductive tubing allows the crossing of the cores below the screen cut
- Additional tubing is available should the tail lengths need to be increased above 1200mm
- Kit contents: Insulation tubing including co-extruded stress control, sealant tapes, conductive breakouts and installation instructions
- Tested in accordance with CENELEC specification HD 629.1 which encompasses IEC, BS and VDE etc.
- All IXSU/OXSU components have full traceability of raw materials and manufacture according to ISO 9001 and ISO 14001



Three core heat shrink termination for XLPE cables in outdoor applications

Part number	Conductor Size	Tail Length
OXSU-F-3301	10-16mm ²	450mm
OXSU-F-3304	10-16mm ²	1200mm
OXSU-F-3311	16-35mm ²	450mm
OXSU-F-3314	16-35mm ²	1200mm
OXSU-F-3321	25-70mm ²	450mm

Part number	Conductor Size	Tail Length
OXSU-F-3324	25-70mm ²	1200mm
OXSU-F-3331	95-300mm ²	450mm
OXSU-F-3334	95-300mm ²	1200mm
OXSU-F-3341	240-500mm ²	450mm
OXSU-F-3344	240-500mm ²	1200mm

Three Core Terminations for XLPE Copper Tape Screened Cables - Outdoor



FEATURES

- Designed to terminate three core, copper tape screened polymeric insulated 11kV cables in outdoor applications such as pole top assemblies
- No tools, easy install and ultra lightweight assembly
- Range taking with few components needed
- Inorganic cold shrink silicone insulation
- Kit contents: Termination body, breakout, rejacketing sleeve, earthing kit, mastics, Scotchcast™ resin and Scotch™ 70 tape
- Tested in accordance CENELEC specification HD629.1 which encompasses the BS, VDE etc.

QTIII series three core cold shrink termination for XLPE cables in outdoor applications

Part number	Conductor Size
7691-S4-3W	16-50mm ²
7692-S4-3W	70-120mm ²

Part number	Conductor Size
7693-S4-3W	150-300mm ²

Three Core Terminations for PILC/PICAS Cables - Outdoor



FEATURES

- Designed to terminate three core, paper insulated 11kV cables in outdoor applications such as pole top assemblies
- Range taking terminations with four sizes covering 16 to 400mm²
- Available in 650mm and 1200mm tail lengths
- Compatible with crimp and mechanical lugs
- Kit contents: stress control tubing, sealant coated breakouts and core insulation sleeves, sealant tapes, oil barrier tubes and installation instructions
- Tested in accordance with CENELEC specification HD629.1 which encompasses IEC, BS and VDE etc

Three core heat shrink termination for PILC/PICAS cables in outdoor applications

Part number	Conductor Size	Tail Length
EPKT17A3MOH2	16-25mm ²	650mm
EPKT17A3MOH4	16-25mm ²	1200mm
EPKT17B3MOH2	35-70mm ²	650mm
EPKT17B3MOH4	35-70mm ²	1200mm

Part number	Conductor Size	Tail Length
EPKT17C3MOH2	95-240mm ²	650mm
EPKT17C3MOH4	95-240mm ²	1200mm
EPKT17D3MOH2	300-400mm ²	650mm
EPKT17D3MOH4	300-400mm ²	1200mm

Single Core Terminations for XLPE Cables - Indoor

FEATURES

- Designed to terminate single, polymeric insulated 33kV cables in indoor applications to switchgear and cable end boxes
- UK industry standard termination
- Outstanding reliability
- Range taking
- Few components needed
- Will accommodate copper wire and copper tape screen
- Simplified cable preparation
- Simplified installation
- Compact design
- No shelf life limitation
- Kit contents: stress control tubings, non tracking sleeve with sealant layer and void filling mastic with installation instructions
- Tested in accordance with CENELEC specification HD 629.1 which encompasses IEC, BS and VDE etc
- Components have full traceability of raw materials and manufacture according to ISO 9001 and ISO 14001



Single core heat shrink termination for XLPE cables in indoor applications

Part number	Conductor Size
EPKT36C1XI	50-95mm ²
EPKT36D1XI	120-185mm ²

Part number	Conductor Size
EPKT36E1XI	240-500mm ²
EPKT36F1XI	630-1000mm ²

Single Core Terminations for XLPE Copper Wire Screen for Mechanical Lugs - Indoor/Outdoor

FEATURES

- Designed to terminate single core, copper wire screened polymeric insulated 33kV cables in indoor/outdoor applications to switchgear, cable end boxes and pole top assemblies
- No tools, easy install and ultra lightweight assembly
- One-piece cold shrink termination body allows fast and easy installation
- Installation can be made from -20°C to +50°C
- Cold shrink technology mean the collapsible tubes are all shrink down to the correct limits
- Kit contents: Termination body and mastic seal
- Tested in accordance CENELEC specification HD629.1 which encompasses the BS, VDE etc.



QTIII series single core cold shrink termination for XLPE copper wire screen indoor/outdoor

Part number	Conductor Size
94-EP610-2	25-120mm ²
94-EP620-2	50-150mm ²

Part number	Conductor Size
94-EP630-2	120-300mm ²
94-EP640-2	240-630mm ²

Single Core Termination for XLPE Copper Tape Screen Cables - Indoor/Outdoor



QTIII series single core cold shrink termination for XLPE copper tape screened cables armoured or lead indoor/outdoor

FEATURES

- Designed to terminate single core, copper tape screened polymeric insulated 33kV cables in indoor/outdoor applications to switchgear, cable end boxes and pole top assemblies
- No tools, easy install and ultra lightweight assembly
- One-piece cold shrink termination body allows fast and easy installation
- Installation can be made from -20°C to +50°C
- Cold shrink technology mean the collapsible tubes are all shrink down to the correct limits
- Kit contents: Termination body, earthing kit and mastic seal
- Tested in accordance CENELEC specification HD629.1 which encompasses the BS, VDE etc.

Part number	Conductor Size
94-EP612-2	50-120mm ²
94-EP622-2	70-240mm ²

Part number	Conductor Size
94-EP632-2	185-400mm ²
94-EP642-2	400-630mm ²

Single Core Terminations for XLPE Cables - Outdoor



Single core heat shrink termination for XLPE cables in outdoor applications

FEATURES

- Designed to terminate single core, polymeric insulated 33kV cables in outdoor applications such as pole top assemblies
- UK industry standard termination
- Outstanding reliability
- Range taking
- Few components needed
- Will accommodate copper wire and copper tape screen
- Simplified cable preparation
- Simplified installation
- Compact design
- No shelf life limitation
- Kit contents: stress control tubings, non tracking sleeve with sealant layer and void filling mastic with installation instructions
- Tested in accordance with CENELEC specification HD 629.1 which encompasses IEC, BS and VDE etc
- Components have full traceability of raw materials and manufacture according to ISO 9001 and ISO 14001

Part number	Conductor Size
EPKT36C1XO	50-95mm ²
EPKT36D1XO	120-185mm ²

Part number	Conductor Size
EPKT36E1XO	240-500mm ²
EPKT36F1XO	630-1000mm ²

Three Core Terminations for XLPE Cables - Indoor

FEATURES

- Designed to terminate three core, polymeric insulated 33kV cables in indoor applications to switchgear and cable end boxes
- UK industry standard termination
- Outstanding reliability
- Range taking
- Few components needed
- Simplified cable preparation
- Simplified installation
- Compact design
- No shelf life limitation
- Kit contents: stress control tubings, non tracking sleeve with sealant layer, conductive breakout and void filling mastic with installation instructions
- Tested in accordance with CENELEC specification HD 629.1 which encompasses IEC, BS and VDE etc
- Components have full traceability of raw materials and manufacture according to ISO 9001 and ISO 14001



Three core heat shrink termination for XLPE cables in indoor applications

Part number	Conductor Size
EPKT36C3XIH2	50-95mm ²
EPKT36C3XIH4	50-95mm ²
EPKT36D3XIH2	120-185mm ²

Part number	Conductor Size
EPKT36D3XIH4	120-185mm ²
EPKT36E3XIH2	240-500mm ²
EPKT36E3XIH4	240-500mm ²

Three Core Terminations for XLPE Cables - Outdoor

FEATURES

- Designed to terminate three core, polymeric insulated 33kV cables in outdoor applications such as pole top assemblies
- UK industry standard termination
- Outstanding reliability
- Range taking
- Few components needed
- Simplified cable preparation
- Simplified installation
- Compact design
- No shelf life limitation
- Kit contents: stress control tubings, non tracking sleeve with sealant layer, conductive breakout and void filling mastic with installation instructions
- Tested in accordance with CENELEC specification HD 629.1 which encompasses IEC, BS and VDE etc
- Components have full traceability of raw materials and manufacture according to ISO 9001 and ISO 14001



Three core heat shrink termination for XLPE cables in outdoor applications

Part number	Conductor Size
EPKT36C3XOH4	50-95mm ²
EPKT36D3XOH4	120-185mm ²

Part number	Conductor Size
EPKT36E3XOH4	240-500mm ²

Single Core Armoured Gland



Aluminium gland kits for single core armoured cable

FEATURES

- Aluminium gland kit is designed to electrically earth the aluminium wire armours of the single core cables
- Suitable for use at 11 and 33kV
- Kit contents: three aluminium glands complete with heat shrink sleeve, jubilee clips and bolt pack
- Available with an insulating plate where separate earth facility is required (See insulating kit on page 110)

Part number

EAKT1608

Conductor Size

50-630mm²

Three Core Armoured Gland



Steel gland kits for three core armoured cable

FEATURES

- Steel gland kit is designed to electrically earth the steel wire armours of the multi-core cables
- Suitable for use at 11 and 33kV
- Kit contains one steel gland complete with either heat shrink or cold shrink sleeve, jubilee clips and bolt pack
- Available with an insulating plate where separate earth facility is required (See page 110)

Part number

EAKT1605

Conductor Size

up to 70mm²
EAKT1606

95-300mm²
THG1

36-65mm (cable OD)

THG2

53-94mm (cable OD)

Part number

THGS1 (Cold shrink seal)

Application Range

To fit THG1

THGS2 (Cold shrink seal)

To fit THG2

Heat Shrink Cable Entry Seal



Heat shrink glands for unarmoured cables

FEATURES

- Designed to provide a heat shrinkable watertight cable entry seal where unarmoured cables enter enclosures
- Manufactured from flame retardant polyolefin
- Temperature rated from -55°C to 90°C
- All cable entry seals are adhesive lined to provide a suitable seal
- Kit contents: a rigid nylon nut, O ring, and a heat shrinkable mould area

Part number

CES-1

Drill Size

25.4

Minimum Size Expanded

12.7

Maximum Size Recovered

4.32

CES-2

25.4

19.05

6.35

CES-3

35.05

28.45

12.7

CES-4

50.8

40.64

19.05

CES-5

88.9

69.85

36.32

Brass Wiping Cones

FEATURES

- Designed to mechanically earth the lead sheaths of PILC cables
- Kit includes: Brass cone, bolt pack, heat shrink sleeve and jubilee clips
- Gland can be cut to suit the relevant cable size
- Can be used with insulating plates EPPA-045-1 for Size X and EPPA-045-2 for Size Y



Earth gland where plumbing of a lead sheath is required

Part number	Application
GWCX	Wiping Cone Size X

Part number	Application
GWCY	Wiping Cone Size Y

Insulating Kits

FEATURES

- Allows the armour gland to be insulated from the enclosure.
- Kit contains: one Epoxy resin plate, plastic nuts and bolts
- Please note three kits should be ordered for single core applications (EAKT1608)
- Plate approx 10mm thick
- Suitable for use at 11 and 33kV

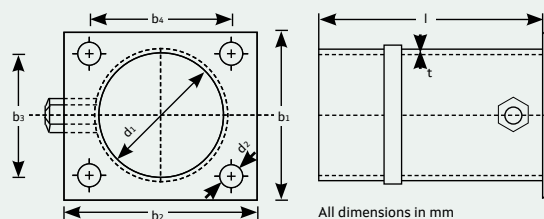


Insulating plate to suit armoured glands

Part number	Application
EPPA-045-1	To fit EAKT1605 & EAKT1608

Part number	Application
EPPA-045-2	To fit EAKT1606

TE/Raychem Cable Gland Dimensions



Size	b1	b2	b3	b4	d1	d2	l	t
X	90	90	66	66	68	11	140	1
Y	115	125	86	95	97	15	150	1.5

Solderless Earth Spring Kits for Single & Three Core Copper Tape Screened Cables



FEATURES

- Designed to mechanically earth the copper tape screens of XLPE cables
- Kit contents: tinned copper earth braids and a roll spring for each phase

Solderless earth connection system for XLPE cables

Part number	Diameter over screen	Conductor range	
		11kV	33kV
EAKT1655	12-18mm	16-50mm ²	-
EAKT1656	19-24mm	70-150mm ²	25-35mm ²
EAKT1657	25-30mm	185-240mm ²	50-70mm ²

Part number	Diameter over screen	Conductor range	
		11kV	33kV
EAKT1658	31-44mm	300-630mm ²	95-300mm ²
EAKT1659	41-65mm	800-1000mm ²	400-1000mm ²

Solderless Earth Spring Kits for Three Core PILC Cables



FEATURES

- Designed to mechanically earth the lead sheaths of PILC cables
- Kit contents: tinned copper earth braid roll spring and a heat shrink sleeve

Solderless earth connection system for PILC cables

Part number	Diameter over lead sheath	Conductor range	
		11kV	33kV
EAKT1669	28-39mm	16-95mm ²	-
EAKT1670	40-50mm	120-185mm ²	-

Part number	Diameter over lead sheath	Conductor range	
		11kV	33kV
EAKT1671	51-60mm	240-300mm ²	50mm ²
EAKT1672	61-80mm	400mm ²	70-300mm ²

Solderless Earth Spring Kits for PICAS Cables



FEATURES

- Designed to mechanically earth the aluminium armour of PICAS cables
- Simple to install, high reliability
- Kit contents: tinned copper braid, beryllium strip, mastic, jubilee clip and heat shrink tube

Solderless earth connection system

Part number	Conductor Size
SMOE61203 (MEC5) 11kV	95-300mm ²

Armour Earthing Kit for Single Core Armoured Plastic and Rubber Insulated Cables

FEATURES

- Designed to terminate wire armoured plastic cables by means of mechanical clamping rings
- Heat shrinkable tubing for corrosion protection
- Confirm cable diameters prior to ordering



Armour earthing kit for single core armoured XLPE cables

Part number	Overall diameter range	Conductor range	
		11kV	33kV
EAKT1636	21-32mm	16-70mm ²	-
EAKT1637	33-50mm	95-400mm ²	16-185mm ²
EAKT1638	51-67mm	500-800mm ²	240-630mm ²

Armour Earthing Kit for Three Core Armoured Plastic and Rubber Insulated Cables

FEATURES

- Designed to terminate wire armoured plastic cables by means of mechanical clamping rings
- Heat shrinkable tubing for corrosion protection



Armour earthing kit for three core armoured XLPE cables

Part number	Overall diameter range	Conductor range	
		11kV	33kV
EAKT1642	40-67mm	16-120mm ²	16-25mm ²
EAKT1643	50-86mm	150-240mm ²	35-95mm ²
EAKT1644	60-94mm	300-400mm ²	120-185mm ²
EAKT1645	70-110mm	-	240-300mm ²

Armour Earthing Kit for Three Core Armoured PILC Cables

FEATURES

- Designed to terminate wire armoured paper cables by means of mechanical clamping rings
- Heat shrinkable tubing for corrosion protection



Armour earthing kit for three core armoured PILC cables

Part number	Overall diameter range	Conductor range	
		11kV	33kV
EAKT1641	28-50mm	16-120mm ²	-
EAKT1642	40-67mm	150-300mm ²	50-120mm ²
EAKT1643	50-86mm	400mm ²	150-300mm ²

Universal Cold Applied Boot Kit



Insulating boots for straight or right angle applications

FEATURES

- Used in switchgear and transformers where the clearances are insufficient for operation in air or to protect against flash over due to rodents or extreme humidity
- Can be used as a straight or right angled boot
- Bushing kit available for smaller bushing diameters (below 46mm)
- Easy to remove (no mastic components)

Part number	Application	Conductor Size
SMOE62803	-	10-400mm ²
RCAB-C-421	31-45mm Bushing Kit For SMOE62803	-

Straight/Right Angle Heat Shrink Boots



Insulating boots for straight and right angle connections

FEATURES

- Used in switchgear and transformers where the clearances are insufficient for operation in air or to protect against flash over due to rodents or extreme humidity
- Both boots are moulded which are shrunk over the connection between cable and bushing
- Kit includes three boots and mastic kit

Part number	Application	Conductor Size
RSRB4022	Straight	10-35mm ²
RSRB4024	Straight	50-95mm ²
RSRB4026	Straight	120-300mm ²
RSRB4042	Right Angle	10-35mm ²
RSRB4044	Right Angle	50-95mm ²
RSRB4046	Right Angle	120-300mm ²

Cold Shrink Barrier Tube



Pre-stretched tubing on a collapsible core for simple installation

FEATURES

- Used in switchgear and transformers where the clearances are insufficient for operation in air or to protect against flash over due to extreme humidity
- Track resistant EPDM rubber
- 11kV rated product
- Complete cold shrink system - no heat required

Part number	Application Range	Application
MB63	Up to 630mm ²	Cold Shrink in line boot

Cold Applied Barrier Boot System

FEATURES

- Used in switchgear and transformers where the clearances are insufficient for operation in air or to protect against flash over due to rodents or extreme humidity
- Can be used as a straight or right angled boot
- Track resistant EPDM rubber
- 11kV rated product
- Complete cold applied system - no heat required



One Piece Cold Applied Boot

Part number	Description
92-EE717-1	Universal Push on boot 50-300mm ²
92-EE717-1-BSK	Build up kit for bushings smaller than 40mm ²

Right Angle Heat Shrink Boot Kit for 33kV

FEATURES

- Designed to be used in switchgear and transformers where the clearances are insufficient for operation in air or to protect against flash over due to rodents or extreme humidity
- Exceptional insulation and long term reliability even at high continuous operating temperatures
- High reliability heat shrink components
- Simplified installation
- Kit includes three right angle boots and mastic kit



Insulating boot kit for right angle applications

Part number	Conductor Size
SMOE50383	95-300mm ²

Clearances: Phase-Phase and Phase-Earth

Check the cable box clearances with Table 1. If X and Y are less than the values given in Table 1, Raychem insulating boots must be used.

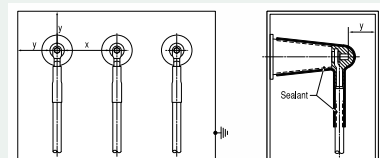


Table 1 - Minimum air clearances for terminations in cable boxes in accordance with BS 162 Class A

Highest voltage for cable, phase-phase (kV)	6.6	11	22	33
Minimum air clearance between live metal x (mm)	90	127	242	356
Minimum air clearance between live metal and ground Y (mm)	65	75	140	222

Table 2 - Impulse voltage withstand for Raychem indoor terminations with insulating boots based on bushings in accordance with BS 2562

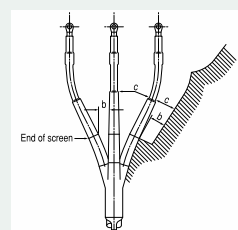
Impulse voltage withstand (kV)	75	95	125	170
Minimum clearance between live metal X (mm)	45	75	100	125
Minimum clearance between live metal and ground Y (mm)	32	60	75	100

Table 3 - Minimum clearance between the cores and the cores and ground

Highest voltage for cable, phase-phase (kV)	6.6	11	22	33
Minimum clearance b (mm)	10	15	25	35
c (mm)	15	20	40	50

b is measured at the end of the core screen.

c is measured at the end of the stress control tubing.



Pole Top Bracket and Cleat



For outdoor applications

FEATURES

- Galvanised bracket and cleat for supporting cables.
- Can be used with surge arrestors or insulators

Part number

EXRM-0969-39

Support Insulators and Brackets



**Cable mounting bracket
outdoor application**

FEATURES

- The sheds of red, non tracking, flexible polymeric material are mounted on a porcelain core
- Set of three complete with galvanised steel bracket

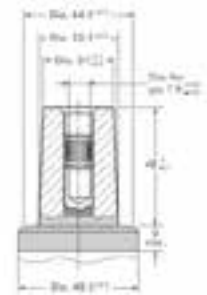
Part number	Voltage
EAKT1524	33kV

Part number	Voltage
EAKT1521	11kV

Bushing dimensions according to CENELEC EN50181

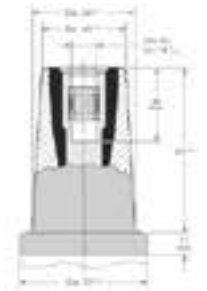
Interface A or 200 series bushing

Voltage range between 12-24kV
Current rating 250amp (copper pin)
Bushing has 7.9mm plug in pin



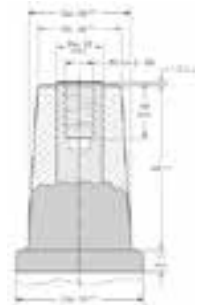
Interface B or 400 series bushing

Voltage range between 12-36kV
Current rating 400amp (copper pin)
Bushing has 14mm plug in pin



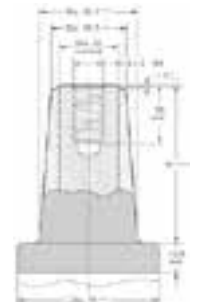
Interface C or 400 series bushing

Voltage class between 12-36kV
Current rating 630 & 1250 amps (copper stud)
M16 bolted



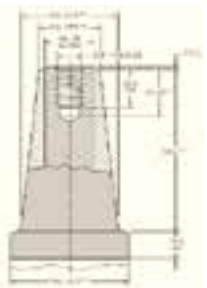
Interface D or 600 series bushing

Voltage range between 12-24kV
Current rating 800amps (ali stud) or 1250amps (copper stud)
5/8" bolted



Interface E or 700 series bushing

Voltage range 12-36kV
Current rating 800amps (ali Stud) or 1250amps (copper stud)
5/8" bolted





Separable Connector System for Pin Type A (200 Series) Bushing



Separable connector system for interface A bushing 12-24kV 250A

FEATURES

- Designed to facilitate the easy connection and disconnection of single core copper wire screened XLPE cables to medium voltage switchgear and transformer equipment
- Manufactured from crosslinked EPDM and protected with a minimum 3mm layer of moulded conductive outer layer
- These deadbreak adaptors are suitable for indoor and outdoor applications
- Their wide application range covers several different cable cross sections without the need for additional cable adaptors
- Available in straight and elbow configuration
- Supplied with high strength bimetallic compression connectors to connect copper and aluminium conductors
- The screened cable connector exceeds CENELEC HD 629.1 S1 requirements which includes BS, VDE and other international specifications
- Maximum System Voltage 24kV
- Continuous Current 250A

Part number	Adaptor Type	Conductor Size	Dia Core Insulation
RSSS-5201	Straight	16mm ²	13.5mm - 17.4mm
RSSS-5202	Straight	25mm ²	13.5mm - 17.4mm
RSSS-5203	Straight	35mm ²	13.5mm - 17.4mm
RSSS-5205	Straight	50mm ²	13.5mm - 17.4mm
RSSS-5217	Straight	70mm ²	16.3mm - 20.8mm
RSSS-5219	Straight	95mm ²	16.3mm - 20.8mm
RSES-5201	Elbow	16mm ²	13.5mm - 17.4mm

Part number	Adaptor Type	Conductor Size	Dia Core Insulation
RSES-5202	Elbow	25mm ²	13.5mm - 17.4mm
RSES-5203	Elbow	35mm ²	13.5mm - 17.4mm
RSES-5205	Elbow	50mm ²	13.5mm - 17.4mm
RSES-5217	Elbow	70mm ²	16.3mm - 20.8mm
RSES-5219	Elbow	95mm ²	16.3mm - 20.8mm
RSES-5224	Elbow	120mm ²	19.6mm - 24.1mm



Separable Connector System for Pin Type A (200 Series) Bushing



Separable connector system for interface A bushing 12-24kV 250A

FEATURES

- Designed to facilitate the easy connection and disconnection of single core copper wire screened XLPE cables to medium voltage transformer and switchgear equipment
- The connectors are manufactured in three layers, a conductive inner layer, an insulation layer and a conductive outer layer
- The materials are vulcanised together to give the best possible interface between layers
- The cable connector includes a capacitive test point with protection and integrated earthing wire
- UV, ozone and tracking resistant
- Available in straight and elbow configuration
- Screen separation kit can be ordered separately for three core cables
- Supplied with bimetallic mechanical lugs to connect copper and aluminium conductor
- The screened cable connector exceeds CENELEC HD 629.52 S1 requirements which includes BS, VDE and other international specifications
- Maximum System Voltage 24kV
- Continuous Current 250A

Part number	Conductor Size	Type	Voltage	Core Insulation Diameter
CSS-A 12250-01	10-16mm ²	STRAIGHT	12kV	10-12mm
CSS-A 12250-02	25-95mm ²	STRAIGHT	12kV	13-22mm
CSS-A 24250-01	10-16mm ²	STRAIGHT	24kV	13-22mm
CSS-A 24250-02	25-95mm ²	STRAIGHT	24kV	17-25.5mm

Part number	Conductor Size	Type	Voltage	Core Insulation Diameter
CSE-A 12250-01	10-16mm ²	ELBOW	12kV	10-12mm
CSE-A 12250-02	25-95mm ²	ELBOW	12kV	13-22mm
CSE-A 24250-01	10-16mm ²	ELBOW	24kV	13-22mm
CSE-A 24250-02	25-95mm ²	ELBOW	24kV	17-25.5mm

Separable Connector System for Pin Type B (400 Series) Bushing

FEATURES

- Designed to facilitate the easy connection and disconnection of single core copper wire screened XLPE cables to medium voltage transformer and switchgear equipment
- The insulation of the connector is made of a highly modified silicone rubber characterised by high tracking resistance, elongation at break and non flammability
- The screened connector need not be removed for over sheath testing
- The compact design supports the use of double T connections inside standard terminal boxes
- Easily accessible rear plug with capacitive test point
- A thin walled screen is permanently bonded onto the insulation and protects the connection system against accidental contact.
- The screened cable connector exceeds CENELEC HD 629.1S2 requirements, which includes BS, VDE and other international standards.
- The use of mechanical lugs are designed to accept Cu or Al conductors



Separable connector system for interface B bushing 24-36kV 400A

Part number	Cross Section	Voltage	Core Insulation Diameter
RSES-6451	70-95mm ²	24kV	22.4-35.5mm
RSES-6452	95-240mm ²	24kV	22.4-35.5mm

Part number	Cross Section	Voltage	Core Insulation Diameter
RSES-6455	185-300mm ²	24kV	22.4-35.5mm

Separable Connector System for Pin Type B (400 Series) Bushing

FEATURES

- Designed to facilitate the easy connection and disconnection of single core copper wire screened XLPE cables to medium voltage transformer and switchgear equipment
- The connectors are manufactured in three layers, a conductive inner layer, an insulation layer and a conductive outer layer
- The materials are vulcanised together to give the best possible interface between layers
- The cable connector includes a capacitive test point with protection and integrated earthing wire
- UV, ozone and tracking resistant
- Supplied with bimetallic mechanical lugs to connect copper and aluminium conductor



Separable connector system for interface B bushing 12-36kV 400A

Part number	Conductor Size	Voltage	Core Insulation Diameter
CSE-A 12400-01	25-70mm ²	12kV	13-20mm
CSE-A 12400-02	95-300mm ²	12kV	18.5-30.5mm
CSE-A 24400-01	25-70mm ²	24kV	17-24mm

Part number	Conductor Size	Voltage	Core Insulation Diameter
CSE-A 24400-02	95-300mm ²	24kV	22.5-35mm
CSE-A 36400-01	25-70mm ²	36kV	24.5-34mm
CSE-A 36400-02	95-300mm ²	36kV	27.5-42mm

Separable Connector System for Bolted Type C (400 Series) Bushing



Separable connector system for interface C bushing 12-36kV 800A

FEATURES

- Designed to facilitate the easy connection and disconnection of single core copper wire screened XLPE cables to MV transformer and switchgear equipment
- The insulation of the connector is made of a highly modified silicone rubber characterised by high tracking resistance, elongation at break and non flammability
- The screened connector need not be removed for over sheath testing
- The compact design supports the use of double T connections inside standard terminal boxes
- Easily accessible rear plug with capacitive test point
- Available with CU or AL compression lugs or mechanical connectors

Part Number	Conductor size			Core insulation diameter
	11kV	24kV	36kV	
RSTI-5851	35-95mm ²	35-70mm ²	-	12.7-23.4mm
RSTI-5852	95-120mm ²	-	-	12.7-23.4mm
RSTI-5853	95-240mm ²	95-185mm ²	-	17.0-30.1mm
RSTI-5854	150-240mm ²	95-240mm ²	-	21.2-34.6mm
RSTI-5855	185-300mm ²	185-300mm ²	-	21.2-34.6mm
RSTI-5856	240-400mm ²	-	-	21.2-34.6mm
RSTI-6851	-	-	35-95mm ²	22.4-35.5mm
RSTI-6852	-	-	95-150mm ²	22.4-35.5mm
RSTI-6853	-	-	120-240mm ²	28.9-42.0mm
RSTI-6855	-	-	185-300mm ²	28.9-42.0mm

Separable Connector Coupling System for Bolted Type C (400 Series) Bushing



Coupling connector system for interface C bushing 12-36kV 800A

FEATURES

- Angled prefabricated shielded parallel adapter made of silicone rubber, which does not require heat during installation
- Integrated stress control. Separate termination not required
- Three core kits include materials for core screening. Up to 2000mm tail length
- Test point for capacitive voltage measurement
- Mechanical lugs included, compression lugs on request
- Kits include materials for three phases

Part Number	Conductor size			Core insulation diameter
	11kV	24kV	36kV	
RSTI-CC-5851	35-95mm ²	35-70mm ²	-	12.7-23.4mm
RSTI-CC-5852	95-120mm ²	-	-	12.7-23.4mm
RSTI-CC-5853	95-240mm ²	95-185mm ²	-	17.0-30.1mm
RSTI-CC-5854	150-240mm ²	95-240mm ²	-	21.2-34.6mm
RSTI-CC-5855	185-300mm ²	185-300mm ²	-	21.2-34.6mm
RSTI-CC-5856	240-400mm ²	-	-	21.2-34.6mm
RSTI-CC-6851	-	-	35-95mm ²	22.4-35.5mm
RSTI-CC-6852	-	-	95-150mm ²	22.4-35.5mm
RSTI-CC-6853	-	-	120-240mm ²	28.9-42.0mm
RSTI-CC-6855	-	-	120-300mm ²	28.9-42.0mm

Separable Connector System For Bolted Type C (400 Series) Bushing

FEATURES

- Designed to facilitate the easy connection and disconnection of single core copper wire screened XLPE cables to medium voltage transformer and switchgear equipment
- The connectors are manufactured in three layers, a conductive inner layer, an insulation layer and a conductive outer layer
- The materials are vulcanised together to give the best possible interface between layers
- The cable connector includes a capacitive test point with protection and integrated earthing wire
- UV, ozone and tracking resistant
- Available in straight and elbow configuration
- Screen separation kit can be ordered separately for three core cables
- Supplied with bimetallic mechanical lugs to connect copper and aluminium conductor
- The screened cable connector exceeds CENELEC HD 629.52 S1 requirements which includes BS, VDE and other international specifications
- Maximum System Voltage 36kV
- Continuous Current 630A



Separable connector system for interface C bushing 12-36kV 630A

Part number	Conductor Size	Voltage	Core Insulation Diameter
CSE-A 12630-01	25-70mm ²	12kV	13-20mm
CSE-A 12630-02	95-300mm ²	12kV	18.5-30.5mm
CSE-A 12630-03	400-630mm ²	12kV	30.5-45mm
CSE-A 24630-01	25-70mm ²	24kV	17.0-24mm
CSE-A 24630-02	95-300mm ²	24kV	22.5-35mm

Part number	Conductor Size	Voltage	Core Insulation Diameter
CSE-A 24630-03	400-630mm ²	24kV	30.5-45mm
CSE-A 36630-01	25-70mm ²	36kV	24.5-34mm
CSE-A 36630-02	95-300mm ²	36kV	27.5-42mm
CSE-A 36630-03	400-630mm ²	36kV	38.0-55mm

Separable connector coupling system for bolted type C (400series) Bushing

FEATURES

- CSEP-A is a screened separable parallel cable connector designed to be connected to a screened separable cable connector type CSE-A-630.
- Can be used with XLPE or EPR insulation
- Supplied with mechanical connectors that can be used with CU or ALI cable conductors
- Screen separation kit can be ordered separately for three core cables
- UV, Ozone and tracking resistant
- The screened cable connector exceeds CENELEC HD 629.1 S1 requirements which includes BS, VDE and other international specifications



Coupling connector system for interface C bushing 12-36kV 800A

Part number	Conductor Size	Voltage	Core Insulation Diameter
CSEP-A-12630-01	25-70mm ²	12kV	13-20mm
CSEP-A-12630-02	95-300mm ²	12kV	18.5-30.5mm
CSEP-A-12630-03	400-630mm ²	12kV	30.5-45mm
CSEP-A-24630-01	25-70mm ²	24kV	17.0-24mm
CSEP-A-24630-02	95-300mm ²	24kV	22.5-35mm

Part number	Conductor Size	Voltage	Core Insulation Diameter
CSEP-A-24630-03	400-630mm ²	24kV	30.5-45mm
CSEP-A-36630-01	25-70mm ²	36kV	24.5-34mm
CSEP-A-36630-02	95-300mm ²	36kV	27.5-42mm
CSEP-A-36630-03	400-630mm ²	36kV	38.0-55mm

Separable connector system for bolted Type D (600 series) Bushing



FEATURES

- Designed to connect single core XLPE CWS cables to transformers and switchgear with D type bushing
- 25-630mm² conductor size range using mechanical connector
- Fully shielded, submersible and meets the requirements of IEEE std 386
- Moulded T body adapts to all cable and provides a deadfront shielded connection
- Moulded cable adapter, sized to fit cable insulation diameters from 16.3mm to 49.9mm providing stress relief for the terminated cable
- Insulating plug cap fits over insulating plug test point for waterproof seal and deadfront shielding
- Moulded epoxy insulating plug provides excellent electrical, thermal and mechanical reliability
- Available for use with Al/Cu bushing, please specify at time of order
- Tested in accordance with IEEE Std 386 standard. AC 60Hz 1 minute withstand -40kV, minimum partial discharge extinction voltage -19kV

Part Number	Conductor Size	Voltage	Bushing Cu/Al
15BT-W-25/150SH-IPWS	25-150mm ²	12-24kV	Aluminium
15BT-W-95/300SH-IPWS	95-300mm ²	12-24kV	Aluminium
15BT-W-400/400SH-IPWS	400mm ²	12-24kV	Aluminium
15BT-W-500/630SH-IPWS	500-630mm ²	12-24kV	Aluminium
15BT-W-25/150SH-IPWS(C)	25-150mm ²	12-24kV	Copper

Part Number	Conductor Size	Voltage	Bushing Cu/Al
15BT-W-25/150SH-IPWS(C)	95-300mm ²	12-24kV	Copper
15BT-W-25/150SH-IPWS(C)	400mm ²	12-24kV	Copper
15BT-W-25/150SH-IPWS(C)	500-630mm ²	12-24kV	Copper
W will be replaced once core insulation diameter is provided			

Separable connector system for bolted Type E (700 series) Bushing



FEATURES

- Designed to connect single core XLPE CWS cables to transformers and switchgear with E type bushing
- 25-630mm² conductor size range using mechanical connector
- Fully shielded, submersible and meets the requirements of IEEE std 386
- Designed to be used on either XLPE or EPR cable insulation
- Moulded cable adapter, sized to fit cable insulation diameters from 22.2mm to 47.6mm providing stress relief for the terminated cable
- Insulating plug cap fits over insulating plug test point for waterproof seal and deadfront shielding
- Moulded epoxy insulating plug provides excellent electrical, thermal and mechanical reliability
- Available for use with Al/Cu bushing, please specify at time of order
- Tested in accordance with IEEE Std 386 standard. AC 60Hz 1 minute withstand -50kV, minimum partial discharge extinction voltage -26kV

Part Number	Conductor Size	Voltage	Bushing Cu/Al
35BT-W-25/150SH-IPWS	25-150mm ²	12-36kV	Aluminium
35BT-W-95/300SH-IPWS	95-300mm ²	12-36kV	Aluminium
35BT-W-400/400SH-IPWS	400mm ²	12-36kV	Aluminium
35BT-W-500/630SH-IPWS	500-630mm ²	12-36kV	Aluminium
35BT-W-25/150SH-IPWS(C)	25-150mm ²	12-36kV	Copper

Part Number	Conductor Size	Voltage	Bushing Cu/Al
35BT-W-25/150SH-IPWS(C)	95-300mm ²	12-36kV	Copper
35BT-W-25/150SH-IPWS(C)	400mm ²	12-36kV	Copper
35BT-W-25/150SH-IPWS(C)	500-630mm ²	12-36kV	Copper
W will be replaced once core insulation diameter is provided			

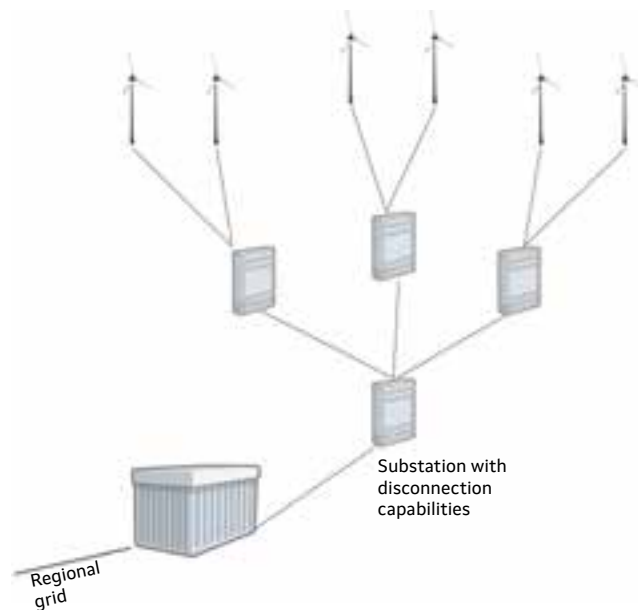
Kabeldon Cable Cabinets

APPLICATION

- HDC-A cabinets are excellent for use within wind or solar farm connections. Each cable cabinet can be used as branching points so that separate cables don't need to be run between turbines/solar panels and a substation.

WIND FARMS: TYPICAL INSTALLATION

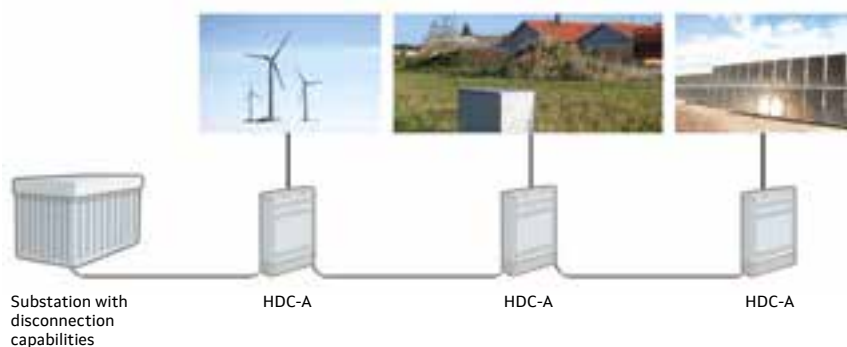
- From each wind turbine three x 1c cables run to a cable cabinet, two wind turbines are connected in each cable cabinet, the cables are terminated using separable connectors. From each of these cable cabinets a third set of cables run to another cabinet where everything is tied together. (See image right)



BENEFITS

- Because cables are connected in a cabinet they can be sectionalized for maintenance. Disconnected cables can be earthed with special earthing devices and tools.
- Cable cabinets can be surface mounted eliminating the need for excavation of joint bays as the cables are connected using separable connectors.
- Less cable and ground excavation is required due to the fewer links between wind turbines (see image below)

General diagram for cable grid with HDC-A



STANDARDS

- Enclosures: Impact testing according to international standards IEC 60439-5
- Separable Connectors: European standard CENELEC HD 629.1 S2



HDC-A
24250



HDC-A
24630



HDC-A
36630

HDC Cable Cabinet 250A



HDC cable cabinets to join and branch 1-core and three-core XLPE cables 12-24kV

FEATURES

- The enclosure is made of hot dip galvanised sheet steel with foundation base plate
- Additional corrosion protection for buried parts
- The screened separable cable connections are connected by coupling pieces which are mounted in the enclosure
- Any chosen cable can be disconnected for live sectioning or to be earthed
- The cabinet is supplied with padlocks and shackles
- For three core cables, screen separation kits must be used
- The cable cabinet is supplied with 3 x 3 phase kits, separable connectors, capacitive test point included
- Enclosures meet the requirements of mechanical impact tests - IEC 60439-5
- Meets the requirements of electrical tests - SS424 14 45
- Cenelec: HD 629.1 S1

Part number	Voltage	Conductor Size
HDC-A 12250	12kV	25-95mm ²

Part number	Voltage	Conductor Size
HDC-A 24250	24kV	25-95mm ²

HDC Cable Cabinet 630A



HDC cable cabinets to join and branch 1-core and three-core XLPE cables 12-36kV

FEATURES

- The enclosure is made of hot dip galvanised sheet steel with foundation base plate
- Additional corrosion protection for buried parts
- The screened separable cable connections are connected by coupling pieces which are mounted in the enclosure
- When branching parallel connector PC630 is required
- Any chosen cable can be disconnected for live sectioning or to be earthed
- The cabinet is supplied with padlocks and shackles
- For three core cables, screen separation kits must be used
- The cable cabinet is supplied with 2 x 3 phase kits, separable connectors, capacitive test point included
- Enclosures meet the requirements of mechanical impact tests - IEC 60439-5
- Meets the requirements of electrical tests - SS424 14 45
- Cenelec: HD 629.1 S1

Part number	Voltage	Conductor Size
HDC-A 12630-01	12kV	25-70mm ²
HDC-A 12630-02	12kV	95-300mm ²
HDC-A 12630-03	12kV	400-630mm ²
HDC-A 24630-01	24kV	25-70mm ²
HDC-A 24630-02	24kV	95-300mm ²

Part number	Voltage	Conductor Size
HDC-A 24630-03	24kV	400-630mm ²
HDC-A 36630-01	36kV	50-70mm ²
HDC-A 36630-02	36kV	95-300mm ²
HDC-A 36630-03	36kV	400-630mm ²

Part number	Description
PSSK 1	Screen Separation kit (25-70mm ² 11kV, 25-35mm ² 24kV)
PSSK 2	Screen Separation kit (95-300mm ² 11kV, 50-300mm ² 24kV)
PC 630/250	Parallel Connector

Part number	Description
IP 250	Screened Insulation Plug
MA 250	Measurement Adaptor
KA 250	Transversal Anchor Bar
UKRA 90	Clamp for Fixing Cables

Pfisterer Connex Cable Termination System

FEATURES

- The "Plug In" connector employs an insulated silicone bushing to control the electrical field present when the cable screen is removed
- Heat shrinkable sleeve provides a moisture barrier between the cable sheath and the alloy housing of the connector
- The termination is completed by plugging into the equipment and taking the cable screen to earth
- Sold in sets of three phases
- Installation tooling available to buy or hire (see page xxx and xxx for more information respectively)
- Training courses available
- Designed to meet the requirements of EN 50180, 50181, DIN 47637 and are suitable for all cables to IEC 502 with graphite coated, bonded or "Easy Peel" semi-conducting screens



Connex Plug in System for size 0, 1, 2, 3, 3S, 4, 5S, 6 & 6S

Cone Size	Part number	Max Voltage	Max Current	Cross Section	Dia Core Insulation	Voltage Tap
SIZE 0	870-01X-XXX	12kV	250A	25-70mm ²	12.0mm - 19.2mm	NO
SIZE 0	870-02X-XXX	24kV	250A	25-50mm ²	15.0mm - 23.5mm	NO
SIZE 1	870-11X-XXX	12kV	630A	35 - 240mm ²	14.8mm - 28.4mm	NO
SIZE 1	870-12X-XXX	24kV	630A	35 - 240mm ²	19.0mm - 32.6mm	NO
SIZE 1	870-13X-XXX	36kV	630A	50 - 150mm ²	25.2mm - 33.5mm	NO
SIZE 1	850-11X-XXX	12kV	630A	35 - 240mm ²	14.8mm - 28.4mm	YES
SIZE 1	850-12X-XXX	24kV	630A	35 - 240mm ²	19.0mm - 32.6mm	YES
SIZE 1	850-13X-XXX	36kV	630A	50 - 150mm ²	25.2mm - 33.5mm	YES
SIZE 2	870-21X-XXX	12kV	800A	95 - 300mm ²	13.7mm - 30.4mm	NO
SIZE 2	870-22X-XXX	24kV	800A	50 - 300mm ²	20.2mm - 34.6mm	NO
SIZE 2	870-23X-XXX	36kV	800A	50 - 300mm ²	16.0mm - 38.0mm	NO
SIZE 2	850-21X-XXX	12kV	800A	95 - 300mm ²	13.7mm - 30.4mm	YES
SIZE 2	850-22X-XXX	24kV	800A	50 - 300mm ²	20.2mm - 34.6mm	YES
SIZE 2	850-23X-XXX	36kV	800A	50 - 300mm ²	16.0mm - 38.0mm	YES
SIZE 3	870-31X-XXX	12kV	1250A	240 - 630mm ²	26.5mm - 39.6mm	NO
SIZE 3	870-32X-XXX	24kV	1250A	150 - 630mm ²	26.5mm - 45.6mm	NO
SIZE 3	870-33X-XXX	36kV	1250A	95 - 630mm ²	28.5mm - 50.0mm	NO
SIZE 3	850-31X-XXX	12kV	1250A	240 - 630mm ²	26.5mm - 39.6mm	YES
SIZE 3	850-32X-XXX	24kV	1250A	150 - 630mm ²	26.5mm - 45.6mm	YES
SIZE 3	850-33X-XXX	36kV	1250A	95 - 500mm ²	28.5mm - 50.0mm	YES
SIZE 3S	850-350-XXX	52kV	1250A	120 - 630mm ²	32.0mm - 50.0mm	NO

Part number	Description	Info	For use with cone size
827-150-005	Dummy Cable Connector	For Sealing And Voltage Proof Closing Of Connex Connectors	Size 0
827-150-002	Dummy Cable Connector	For Sealing And Voltage Proof Closing Of Connex Connectors	Size 1
827-150-003	Dummy Cable Connector	For Sealing And Voltage Proof Closing Of Connex Connectors	Size 2
827-150-004	Dummy Cable Connector	For Sealing And Voltage Proof Closing Of Connex Connectors	Size 3
827-134-004	Protecting Cap	For Protecting Withdrawn Connex Connectors Against Dirt	Size 0
827-134-001	Protecting Cap	For Protecting Withdrawn Connex Connectors Against Dirt	Size 1
827-134-002	Protecting Cap	For Protecting Withdrawn Connex Connectors Against Dirt	Size 2
827-134-003	Protecting Cap	For Protecting Withdrawn Connex Connectors Against Dirt	Size 3

APED 36 P Composite and APED 52 Porcelain Termination

FEATURES

- Designed to terminate 52kV single core XLPE cables where the termination is to be used as fixed connection point and for installations where there is a risk of very high continuous creepage currents
- Can be assembled horizontally on the ground before installation
- Will cater for cable sizes from 95-1200mm²
- The composite termination is lightweight and shatter resistant
- The termination consists of porcelain or composite insulator installed on a box body made of aluminium casting

Part number	Insulator	Cable Size	Core Insulation Diameter	Voltage
APED36P	Composite	95-1200mm ²	25-66mm	36kV
APED52B	Porcelain	95-1200mm ²	25-66mm	52kV

1. Top Bolt

Bolt connection technology. Made from aluminium or tin plated copper.

2. Top Cover

Made from aluminium alloy, fastened with bolt and ring halves, and sealed with O-rings.

3. Insulator

Grey composite or brown porcelain insulator. The composite insulator with silicone rubber has a low weight and the silicone rubber has a naturally hydrophobic surface which decreases the risk of leakage currents.

4. Filling Compound

Polybutene oil, volume is 2 litres.

5. Stress relief cone

The stress relief cone is made from EPDM and designed for geometric field control.

6. Box Body

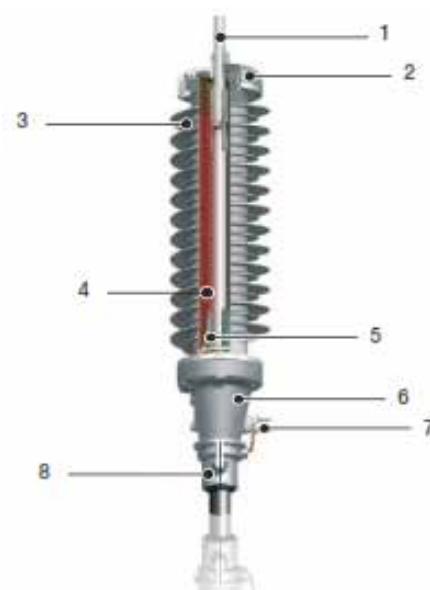
Robust aluminium construction with individual clamps or bolts to secure the insulator. Sealed with an O-ring.

7. Earth Clamp

The earth clamp is made from nickel-plated brass and clamped with stainless steel bolts. The earth clamp has a rated cross section of 300mm².

8. Cable Clamp

Made from aluminium alloy. The clamp secures the cable in a fixed position.



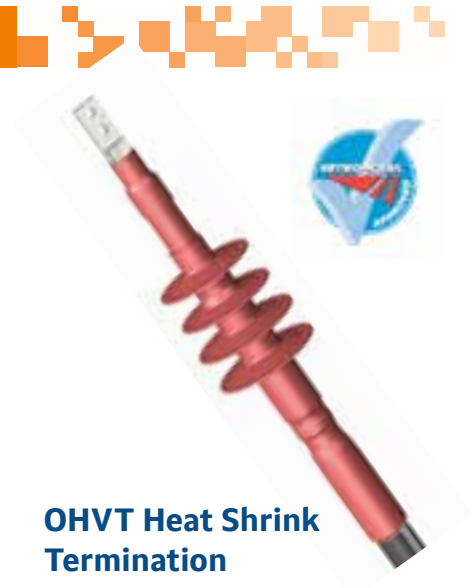
Main Technical Data

Electrical data, IEC standard 60840	Voltage kV	
Highest voltage for equipment, U ₂	36	52
Rate voltage, U	30-33	45-47
Value of U ₂ for determination of test V	21	26
Heating cycle voltage test, 2U ₂	36	52
Partial discharges test <5pC, 1.5U ₂	27	39
Switching impulse voltage test	NA	NA
Lighting impulse voltage test, BIL	±170	±250
AC voltage test, 2.5U ₂	57	65
Measurement of loss factor, U ₂	21	26

OHVT Heat Shrink Terminations for XLPE CWS cables

FEATURES

- TE Connectivity outdoor termination for trackside applications.
- Supplied without a lug please refer to page...(Complete when Known)
- Compact and modular design
- Water and corrosion resistant
- Different creepage distances available
- Full PADS approval
- Suitable for crimp or mechanical lugs
- Unlimited shelf life under normal storage conditions
- Tested in accordance to IEEE 48 and IEC 60840
- Manufactured according to ISO 9001 and ISO14001



OHVT Heat Shrink Termination

Part number	Cable Size	Diameter Over Insulation	Termination Length	Creepage Distance	Number of Sheds
OHVT-5212	95-300mm ²	30-45mm	850mm	1430mm	4
OHVT-5213	240-630mm ²	38-55mm	850mm	1430mm	4

95-EB and 95-EP Cold Shrink Terminations for XLPE CWS cables

FEATURES

- The versatile design of the prefabricated one-piece cold shrink termination body allows installation on a wide range of cable sizes and types.
- No heat or flame is needed during installation
- No special tools needed during installation
- Suitable for crimp and mechanical lugs
- Full PADS approval
- Shelf life of QT111 series terminations is specified as three years
- Terminations meet and exceed European standard IEC60840



Cold Shrink Terminations for XLPE CWS cables

Part number	Cable Size	Diameter Over Insulation	Maximum Diameter Over Lug	Part number	Cable Size	Diameter Over Insulation	Maximum Diameter Over Lug
95-EB62-2	70-400mm ²	33.0-53.0mm	53mm	95-EP631-2	240-400mm ²	38.6-51.0mm	51mm

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THE POWER TO DELIVER

MV Joints

Contents



11kV Resin Joints	130
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Inline Universal Jointing System for XLPE/PILC/PICAS Three Core Cables

FEATURES

- Designed to provide a universal system for three core 11kV inline and transition jointing of polymeric or paper cables in one kit.
- Highly reliable UK industry standard joint
- Proven in service with UK REC's since 1991
- 1402 FR resin can be added to this kit for petrochemical environments
- Kit includes: stress control tubes, mechanical connectors, insulating sleeves, armour continuity, plastic shell and two part LDPU resin
- Tested in accordance with CENELEC specification HD 629 or IEC 60502-4 for joints



Shrinkset - Inline universal jointing system for any combination of three core XLPE/PILC/PICAS cables

Part number	Conductor Size	To Suit	Resin Volume
SHSS-12A-IND	35-185mm ² Poly - 70-185mm ² Paper	-	14 litres
SHSS-12B-IND	185-300mm ² Poly - 185-300mm ² Paper	-	28 litres
BU1 - SMOE 61745	16-25mm ² Poly - 16-50mm ² Paper	Use with SHSS-12-A	-
BU2 - SMOE 61760	95-150mm ² Poly - 95-150mm ² Paper	Use with SHSS-12-B	-
BU3 - SMOE 61798	16-70mm ² Poly - 16-70mm ² Paper	Use with SHSS-12-B	-

Inline Joints for Three Core Armoured XLPE/PILC/PICAS Cables

FEATURES

- The versatile design of the prefabricated one-piece cold shrink splice body allows installation on a wide range of cable sizes and types and a fast and easy installation at temperatures ranging from -20 to +50°C
- No heat or flame needed during splice body installation
- Mechanical connectors provide quick and easy installation
- No special tools are needed during splice installation
- Thick walled EPDM rubber cold shrink outer re-jacketing tubes provide mechanical protection and moisture sealing of the completed inline joints
- Outer protection using Scotchcast resin provides options to install in zones 1 and 2 hazardous areas, as well as protection for PILC/PICAS cables
- Different sized cables can be joined using build up kits



Cold Shrink joint to join any combination of three core cables

Part number	Joint Type	Outer Protection	Conductor Size
92-AV610-3/C	XLPE Straight	See below	50-120mm ²
92-AV620-3/C	XLPE Straight	See below	150-240mm ²
92-AV630-3/C	XLPE Straight	See below	240-400mm ²
92-AV610-3/C+1 x PILC1	XLPE to PILC/PICAS	See below	50-120mm ²
92-AV620-3/C+1 x PILC2	XLPE to PILC/PICAS	See below	150-240mm ²
92-AV630-3/C+1 x PILC3	XLPE to PILC/PICAS	See below	240-400mm ²
92-AV610-3/C+2 x PILC1	PILC/PICAS Straight Joint	See below	50-120mm ²
92-AV620-3/C+2 x PILC2	PILC/PICAS Straight Joint	See below	150-240mm ²
92-AV630-3/C+2 x PILC3	PILC/PICAS Straight Joint	See below	240-400mm ²

Outer Protection Sleeve/Shell

Part number	Protection Type	To Suit	Resin Volume
CS610-3	Cold Shrink Tube	92-AV610-3/C	-
CS620-3	Cold Shrink Tube	92-AV620-3/C	-
CS630-3	Cold Shrink Tube	92-AV630-3/C	-
1451	Moulded Shell	92-AV610-3/C & 92-AV620-3/C	14 litres
1452	Moulded Shell	92-AV630-3/C	21 litres

Branch/Pot End Universal Jointing System for XLPE/PILC/PICAS Three Core Cables



Shrinkset - Branch universal jointing system for any combination of three core XLPE/PILC/PICAS cables

FEATURES

- Designed to provide a universal system for three core 11kV branch jointing of polymeric or paper cables in one kit
- 1402 FR resin can be added to this kit for petrochemical environments
- Kit includes: stress control tubes, mechanical connectors, insulating sleeves, armour continuity and plastic shell
- Two part LDPU resin available for purchase
- Tested in accordance with CENELEC specification HD 629.1 or IEC 60502-4 for joints
- Proven and in service with UK electricity boards since 1991
- Build up kits can be used for smaller conductor sizes and large size transitions
- Approved to electricity association specification ER C90

Part number	Conductor Size	To Suit	Resin Volume
SMOE61987 (branch joint)	35-185mm ² Poly - 95-185mm ² Paper	-	42 litres
SMOE61988 (branch joint)	185-300mm ² Poly - 185-300mm ² Paper	-	49 litres
SMOE62668 (pot end)	95-300mm ²		14 litres
BU1 - SMOE 61745	16-25mm ² Poly - 16-50mm ² Paper	SMOE61987/SMOE62668	-
BU2 - SMOE 61760	95-150mm ² Poly - 95-150mm ² Paper	SMOE61988	-
BU3 - SMOE 61798	16-70mm ² Poly - 16-70mm ² Paper	SMOE61988/SMOE62668	-

Trifurcating Joint



Trifurcating joint for three core XLPE to 3 x single core XLPE

FEATURES

- Designed to join three core XLPE/CTS/SWA to 3 x single core XLPE CWS unarmoured cables
- A resin filled joint for extra mechanical protection
- Will cover cables from 70-300mm²
- Kits consists of all tubing, earth kits, connector and shell

Part number	Cable Size
SMOE63180	70-185mm ²

Part number	Cable Size
SMOE63181	185-300mm ²

Trifurcating Transition Joint



Trif/Trans joint for three core PILC/PICAS to 3 x single core XLPE CWS unarmoured cables

FEATURES

- Designed to join 3core PILC/PICAS/SWA to 3 x 1c XLPE CWS unarmoured cables
- A resin filled joint for extra mechanical protection
- Will cover cables from 70-300mm²
- Kits consists of all tubing, earth kits, connector and shell

Part number	Cable Size
SMOE63410	70-185mm ²

Part number	Cable Size
SMOE63411	185-300mm ²

Lovisil Silicon Filled Resin Joints

FEATURES

- Lovisil cable joints are suitable for use on paper-insulated (PILC or PICAS) and polymeric (XLPE or EPR) cables
- The electrical insulation is inside a polyester inner joint provided by the combination of polymeric tube set (primary insulation) and high grade silicon based compound
- Mechanical protection is provided by a ABS outer joint shell filled with a two-part polyurethane resin
- When the silicon comes into contact with water it reacts to form a soft and perfectly insulating rubber, this creates a seal that prevents any further ingress of moisture
- Suitable for all types of connectors, both mechanical and crimp can be used up to 24kV
- Joints also available in single cores, branch and loop formations
- Kit consists of base module, cable modules, resin and connectors



Part number	Description
MJ-LOV-A-TX	95mm ² Triplex Straight Joint (all in 1 shell)
MJ-LOV-A-TX	185mm ² Triplex Straight Joint (all in 1 shell)
MJ-LOV-B-TX	300mm ² Triplex Straight Joint (all in 1 shell)
MJ-LOV-A-TX-XU	95mm ² Triplex to 95mm ² 3c XLPE collective CWS
MJ-LOV-A-TX-XU	185mm ² Triplex to 185mm ² 3c XLPE collective CWS
MJ-LOV-B-TX-XU	300mm ² Triplex to 300mm ² 3c XLPE collective CWS
MJ-LOV-A-TX-XU	95mm ² Triplex to 185mm ² 3c XLPE collective CWS
MJ-LOV-A/B-TX-XU	95mm ² Triplex to 300mm ² 3c XLPE collective CWS
MJ-LOV-A/B-TX-XU	185mm ² Triplex to 300mm ² 3c XLPE collective CWS

Part number	Description
MJ-LOV-A-TX-XA	95mm ² Triplex to 95mm ² 3c XLPE/CTS/SWA
MJ-LOV-A-TX-XA	185mm ² Triplex to 185mm ² 3c XLPE/CTS/SWA
MJ-LOV-B-TX-XA	300mm ² Triplex to 300mm ² 3c XLPE/CTS/SWA
MJ-LOV-A-TX-XA	95mm ² Triplex to 185mm ² 3c XLPE/CTS/SWA
MJ-LOV-A/B-TX-XA	95mm ² Triplex to 300mm ² 3c XLPE/CTS/SWA
MJ-LOV-A/B-TX-XA	185mm ² Triplex to 300mm ² 3c XLPE/CTS/SWA
MJ-LOV-A-TX-PI	95mm ² Triplex to 95mm ² 3c PILC/SWA or PICAS
MJ-LOV-A-TX-PI	185mm ² Triplex to 185mm ² 3c PILC/SWA or PICAS
MJ-LOV-B-TX-PI	300mm ² Triplex to 300mm ² 3c PILC/SWA or PICAS

All above complete with resin and connectors

Resin Joint Details



Part Number	Dimensions	
	A (mm)	B (mm)
MJ-LOV-A	1055	226.5
MJ-LOV-A	1343	267
MJ-LOV-A	1343	267

Inline Joints for Single Core Unarmoured XLPE Cables c/w Mechanical Connectors



Inline heat shrink joints for single core unarmoured XLPE cables

FEATURES

- Designed to join inline single core 11kV unarmoured XLPE cables
- Highly reliable UK industry standard joint
- Unlimited shelf life
- Kit contents: Stress control and insulation tubing, wire shield, outer Heat Shrink sleeving, mechanical connectors, void, stress and moisture tapes
- Tested in accordance with CENELEC specification HD 629.1 or IEC 60502-4 for joints
- Network Rail Approved

Part number	Conductor Size
MXSU-3111	25-95mm ²
MXSU-3121	70-150mm ²
MXSU-3131	95-240mm ²
MXSU-3141	240-400mm ²

Part number	Conductor Size
MXSU-3151	500mm ²
MXSU-3161	630mm ²
MXSU-3171	800mm ²
MXSU-3181	1000mm ²

Size Transition Joints for Single Core Unarmoured XLPE Cables Heat Shrink Mechanical Connectors



Inline heat shrink size transition joints for single core unarmoured XLPE cables

FEATURES

- Designed to join 11kV single core cables with large size transitions
- Unlimited shelf life
- Tested in accordance with CENELEC specification
- Kit contents: Stress control and insulation tubing, wire shield, outer Heat Shrink sleeving, mechanical connectors, void, stress and moisture tapes
- Unlimited shelf life
- Tested in accordance with CENELEC specification HD 629.1 or IEC 60502-4 for joints

Part number	Conductor Size
MXSU-3131-T2	25-95mm ² - 95-240mm ²
MXSU-3141-T2	95-240mm ² - 185-400mm ²
MXSU-3151-T6	185-400mm ² - 500mm ²

Part number	Conductor Size
MXSU-3161-T7	185-400mm ² - 630mm ²
MXSU-3181-T8	630mm - 1000mm ²

Inline Joints for Single Core Unarmoured XLPE Cables



Inline heat shrink joints for single core unarmoured XLPE cables

FEATURES

- Designed to join inline single core 11kV unarmoured XLPE cables
- Highly reliable UK industry standard joint
- Can be used with crimp and mechanical connectors
- Kit contents: Stress control and insulation tubing, wire shield, outer heat shrink sleeving, void, stress and moisture tapes
- Tested in accordance with CENELEC specification HD 629.1 or IEC 60502-4 for joints
- Network Rail Approved

Part number	Conductor Size
SXSU-3111	35-70mm ²
SXSU-3121	95-185mm ²

Part number	Conductor Size
SXSU-3131	185-300mm ²
SXSU-3141	300-500mm ²

Inline Joints for 11kV Single Core Unarmoured XLPE Cables c/w Mechanical Connectors

FEATURES

- Designed to join inline single core 11kV unarmoured XLPE cable in "All in One" kit including mechanical connector
- Joint body, earthing system and re-jacketing pre-expanded on one holdout system
- Single piece silicone rubber joint body with high mechanical expansion capability allows a wide application range which enables smaller range of product to be stocked
- Short parking distance required
- Electrical stress control of the screen cut area by integrated conductive geometrical stress cones
- Electrical stress control of the connector is by an integrated screened connection area (Faraday Cage)
- Kit contents: Stress control and insulation tubing, wire shield, outer cold shrink sleeving, void, stress and moisture tapes
- For use on solid conductors please contact your nearest sales office
- Joint exceeds CENELEC HD 629.1 which includes IEC, BS, VDE and other international specifications
- Network Rail approved



Inline cold shrink joints for 11kV single core unarmoured XLPE cables

Part number	Application Range	Diameter over core insulation	Diameter over outer sheath
CSJA-12B/1XU-1XU-M	95-240mm ²	18.6-28.4mm	26.0-39.0mm
CSJA-12C/1XU-1XU-M	185-300mm ²	23.2-32.6mm	30.0-44.0mm
CSJA-12D/1XU-1XU-M	240-400mm ²	25.7-33.6mm	33.0-45.0mm
CSJA-12E/1XU-1XU-M1	500mm ²	34.4-36.2mm	43.0-48.0mm
CSJA-12E/1XU-1XU-M2	630mm ²	38.0-40.0mm	47.0-52.0mm

Cold Shrink Single Core Inline Joint for XLPE CWS c/w Mechanical Connectors

FEATURES

- Prefabrication one-piece cold shrink joint allows installation on a wide range of cable sizes
- No heat or flame is needed during splice body installation
- Joint comes complete with a mechanical connector
- EPDM thick wall outer jacket provides good mechanical protection



Inline cold shrink joints for 11kV single core unarmoured XLPE cables

Part number	Conductor Size	Part number	Conductor Size
92-AK610-I/C	50-150mm ²	92-AK630-I/C	300-630mm ²
92-AK620-I/C	95-300mm ²	92-AK632-I/C	800-1000mm ²

Inline Joints for Single Core Aluminium Wire Armoured XLPE Cables

FEATURES

- Designed to join inline single core 11kV aluminium wire armoured XLPE cables.
- Highly reliable UK industry standard joint.
- Kit contents: Stress control and insulation tubing, wire shield, outer heat shrink sleeving, void, stress and moisture tapes
- Tested in accordance with CENELEC specification HD 629.1 or IEC 60502-4 for joints



Inline heat shrink joints for single core aluminium wire armoured XLPE cables

Part number	Conductor Size	Part number	Conductor Size
SXAW-3121	95-185mm ²	SXAW-3141	400-500mm ²
SXAW-3131	185-300mm ²	SXAW-3151	630-800mm ²



Cold Shrink Single Core Inline Joint for XLPE/CTS/AWA c/w Mechanical Connectors



Single core cold shrink straight joint for armoured cables

FEATURES

- Prefabrication one-piece cold shrink joint allows installation on a wide range of cable sizes
- No heat or flame is needed during splice body installation
- Joint comes complete with a mechanical connector
- EPDM thick wall outer jacket provides good mechanical protection

Part number	Conductor Size
92-AK612-1/C	70-150mm ²
92-AK622-1/C	150-240mm ²

Part number	Conductor Size
92-AK623-1/C	300-400mm ²
92-AK633-1/C	500-630mm ²



MXSB Branch Joint Range c/w Mechanical Connectors



Single core heat shrink branch joint for unarmoured cables

FEATURES

- Heat Shrink branch joint for XLPE CWS cables c/w mechanical connector
- The design of the connector enables the user to connect different size conductors
- Immediate service after installation
- The complete kit has been tested to meet Raychem performance standards according to CENELEC HD629.1S2

Part number	Conductor Size
MXSB-12A-1XU-2XU	35-95mm ²
MXSB-12B-1XU-2XU	70-185mm ²

Part number	Conductor Size
MXSB-12C-1XU-2XU	150-300mm ²



MXSW 3 Core XLPE SWA Range of Joints c/w Mechanical Connectors



Three core heat shrink joint XLPE armoured cables

FEATURES

- Designed to joint three core XLPE/CTS/SWA cables
- The design of the connector enables the user to connect different size conductors
- Immediate service after installation
- The complete kit has been tested to meet Raychem's performance standards according to CENELEC HD629.1S2

Part number	Conductor Size
MXSW-3311-GB01	35-95mm ²
MXSW-3331	95-240mm ²

Part number	Conductor Size
MXSW-3332	150-300mm ²

Heat Shrink Single Core Inline Joint for PILC Cables

FEATURES

- Designed to join inline single core 33kV PILC cables
- Highly reliable UK industry standard joint
- Unlimited shelf life
- Kit contents: Void filling tapes, stress control and insulation tubing, wire armour continuity, outer sealing sleeves
- Tested in accordance with CENELEC specification HD 629.1 or IEC 60502-4 for joints



Heat shrink straight joint for 33kV paper insulated lead covered cables

Part number	Conductor Size
EPKJ 36A-1HL-1HL	50-70mm ²
EPKJ 36B-1HL-1HL	95-150mm ²

Part number	Conductor Size
EPKJ 36C-1HL-1HL	185-400mm ²
EPKJ 36D-1HL-1HL	500-630mm ²

Transition Joints for Single Core XLPE to PILC Cable

FEATURES

- Designed to join inline single core 33kV XLPE to PILC cables
- Highly reliable UK industry standard joint
- Unlimited shelf life
- Kit contents: Void filling tapes, stress control and insulating tubing, outer sealing sleeve
- Tested in accordance with CENELEC specification HD 629.1 or IEC 60502-4 for joints
- Network Rail Approved



Heat shrink transition joints for single core XLPE to PILC cables

Part number	Conductor Size
EPKJ 36A-1XU-1HL	50-70mm ²
EPKJ 36B-1XU-1HL	95-150mm ²

Part number	Conductor Size
EPKT 36C-1XU-1HL	185-400mm ²
EPKJ 36D-1XU-1HL	500-630mm ²

Inline Joints for Three Core Screened XLPE Cables

FEATURES

- Designed to join inline three core screened 33kV XLPE cables
- Highly reliable UK industry standard joint
- Unlimited shelf life
- Kit contents: Void filling tapes, stress control and insulating tubings, wire armour continuity, outer sealing sleeves
- Tested in accordance with CENELEC specification HD 629.1 or IEC 60502-4 for joints



Heat shrink inline joints for three core steel wire armoured cables

Part number	Conductor Size
EPKJ 36A-3XU-3XU-W	50-70mm ²
EPKJ 36B-3XU-3XU-W	95-150mm ²

Part number	Conductor Size
EPKJ 36C-3XU-3XU-W	185-400mm ²

Inline Joints for Single Core Unarmoured XLPE Cables c/w Mechanical Connectors



Inline heat shrink joints for single core unarmoured XLPE cables, connectors inc

FEATURES

- Designed to join inline single core 33kV unarmoured XLPE cables
- Kit contents: Stress control and insulation tubing, wire shield, outer Heat Shrink sleeving, mechanical connectors, void, stress and moisture tapes
- Tested in accordance with CENELEC specification HD 629 or IEC 60502-4 for joints
- Network Rail Approved

Part number	Conductor Size
MXSU-6111	35-95mm ²
MXSU-6121	70-150mm ²
MXSU-6131	150-300mm ²
MXSU-6141	240-400mm ²

Part number	Conductor Size
MXSU-6151	500mm ²
MXSU-6161	630mm ²
MXSU-6171	800mm ²

Size Transition Joints for Single Core Unarmoured XLPE Cables c/w Mechanical Connectors



Inline heat shrink joints for single core unarmoured XLPE cables

FEATURES

- Designed to join inline single core 33kV unarmoured XLPE cables
- Unlimited shelf life
- Kit contents: Stress control and insulation tubing, wire shield, outer Heat Shrink sleeving, mechanical connectors, void, stress and moisture tapes
- Tested in accordance with CENELEC specification HD 629.1 or IEC 60502-4 for joints

Part number	Conductor Size
MXSU-6141-T4	95-240mm ² - 240-400mm ²
MXSU-6151-T6	185-400mm ² - 500mm ²
MXSU-6161-T6	185-400mm ² - 630mm ²

Part number	Conductor Size
MXSU-6161-T7	500mm - 630mm ²
MXSU-6171-T8	630mm ² - 800mm ²
MXSU-6181-T8	630mm - 1000mm ²

Inline Joints for Single Core Unarmoured XLPE Cables



Inline heat shrink joints for single core unarmoured XLPE cables

FEATURES

- Designed to join inline single core 33kV unarmoured XLPE cables
- Highly reliable UK industry standard joint
- Mechanical or crimp connectors available on request
- Unlimited shelf life
- Kit contents: Stress control and insulation tubing, wire shield, outer Heat Shrink sleeving, void, stress and moisture tapes
- Tested in accordance with CENELEC specification HD 629.1 or IEC 60502-4 for joints
- Network Rail Approved

Part number	Conductor Size
SXSU-6122	35-150mm ²
SXSU-6132	150-300mm ²
SXSU-6141	185-400mm ²

Part number	Conductor Size
SXSU-6142	400-630mm ²
SXSU-6151	500-800mm ²
SXSU-6161	800-1200mm ²

Inline Joints for Single Core Aluminium Wire Armoured XLPE Cables

FEATURES

- Designed to join inline single core 33kV aluminium wire armoured XLPE cables
- Highly reliable UK industry standard joint
- Will accommodate a mechanical or crimp connector
- Can be used for a size transition joint with the aid of mechanical connectors
- Quick installation time
- No special tools required for installation
- Unlimited shelf life
- Kit contents: Void filling tapes, stress control and insulation tubing, wire armour continuity, inner and outer sealing sleeve
- Tested in accordance with CENELEC specification HD 629 or IEC 60502-4 for joints



Inline heat shrink joints for single core aluminium wire armoured XLPE cables

Partnumber	Conductor Size
SXAW-6122	50-95mm ²
SXAW-6132	120-240mm ²

Partnumber	Conductor Size
SXAW-6142	300-630mm ²

Inline Joints for Single Core Armoured XLPE Cables c/w Mechanical Connectors

FEATURES

- The versatile design of the prefabricated one-piece cold shrink splice body allows installation on a wide range of cable sizes and types.
- No special tools are needed during joint installation
- Thick walled EPDM rubber outer jacket provides mechanical protection and moisture sealing of the complete inline joint
- Designed to join inline 33kV single core copper tape screened armoured XLPE cables
- Viable cost based alternative to heat shrink joints
- Low temperature tool free installation
- Faster installation time saving labour costs
- Use build up kit 94-PG-620-1 when primary insulation is smaller than 28.4mm
- Kit contents: splice body, EPDM outer sleeve, mastic, earthing kit and mechanical connectors
- Tested in accordance CENELEC specification HD629.1 which encompasses the BS, VDE etc.



QS2000 series inline cold shrink joints for single core armoured XLPE cables

Part number	Diameter over Primary Insulation	Conductor Size
94-AP635-1/C	28.4-42.0mm	120-240mm ²
94-AP636-1/C	28.4-42.0mm	185-300mm ²

Part number	Diameter over Primary Insulation	Conductor Size
94-PG-620-1	Smaller than 28.4mm over primary insulation	Build up kit

Trifurcating Transition Joint for Single Core XLPE to Three Core PILC Cables c/w Mechanical Connectors



Cold shrink trifurcating transition joints for single core XLPE to three core PILC cables

FEATURES

- Designed to join inline 33kV single core XLPE to three core PILC cables
- Low temperature installation
- Faster installation time saving labour costs
- The versatile design of the prefabricated one-piece cold shrink splice body allows installation on a wide range of cable sizes and types.
- No heat or flame is needed during splice body installation
- Mechanical connector provides quick and easy connection with no special tooling
- Scotchcast resin packs can be used providing options to install in zones 1 and 2 hazardous areas
- Tool free installation
- Kit contents: Mould shell, splice body, EPDM tubes, earthing kit, mastics, Scotch™ 23 and mechanical connectors
- Tested in accordance CENELEC specification HD 629.1 which encompasses the BS, VDE etc.

Part number	Conductor Size	Resin Volume
94-FP-435-3/C	120-240mm ²	20 litres

Part number	Conductor Size	Resin Volume
94-FP-436-3/C	185-400mm ²	20 litres

Transition Joint for Single Core XLPE to PILC Cables c/w Mechanical Connectors



Cold shrink transition joints for single core XLPE to PILC cables

FEATURES

- Designed to join inline 33kV single core copper wire XLPE to single core PILC cables
- Low temperature installation
- Faster installation time saving labour costs
- The versatile design of the prefabricated one-piece cold shrink splice body allows installation on a wide range of cable sizes and types.
- Mechanical connectors included in the joint allows quick and easy connection with no special tooling
- Solderless earth connection by means of copper stocking and constant force spring
- Tool free installation
- Kit contents: splice body, EPDM tubes, mastics, earthing kit, Scotch™ 13 tape and mechanical connector
- Tested in accordance CENELEC specification HD 629.1 which encompasses the BS, VDE etc.

Part number	Conductor Size
94-FC630-1/C	120-240mm ²
94-FC631-1/C	185-300mm ²

Part number	Conductor Size
94-FC640-1/C	400-630mm ²

Inline Joints for 33kV Single Core Unarmoured XLPE Cables c/w Mechanical Connectors

FEATURES

- Designed to join inline single core 33kV unarmoured XLPE cable in "All in One" kit including mechanical connectors
- Faster installation time than heat shrink joints
- Joint body, earthing system and re-jacketing pre-expanded on one holdout system
- Single piece silicone rubber joint body with high mechanical expansion capability allows a wide application range which enables smaller range of product to be stocked
- Short parking distance required
- Electrical stress control of the screen cut area by integrated conductive geometrical stress cones
- Electrical stress control of the connector is by an integrated screened connection area (Faraday Cage)
- Kit contents: Stress control and insulation tubing, wire shield, outer cold shrink sleeving and moisture tapes
- For use on solid conductors please contact your nearest sales office
- Joint exceeds CENELEC HD 629.1 which includes IEC, BS, VDE and other international specifications
- Network Rail approved
- Mechanical Shear bolt connector to IEC 61238-1



Inline cold shrink joints for 33kV single core unarmoured XLPE cables

Part number	Application Range	Diameter over core insulation	Diameter over outer sheath
CSJA-36D/1XU-1XU-M	95-240mm ²	27.8-37.6mm	35.0-48.0mm
CSJA-36E/1XU-1XU-M1	240-400mm ²	34.9-42.8mm	42.0-54.0mm
CSJA-36E/1XU-1XU-M2	500mm ²	42.6-45.6mm	51.0-57.0mm
CSJA-36E/1XU-1XU-M3	630mm ²	45.8-49.2mm	56.0-61.0mm

Cold Shrink Joint for 33kV Single Core Unarmoured XLPE Cables c/w Mechanical Connectors

FEATURES

- QS2000 cold shrink series kit is designed for in line splicing up to 36kV Umax voltage class, single core polymeric power cable systems with copper wire screen
- The versatile design of the pre-fabricated one piece cold shrink splice body allows installations on a wide range of cable sizes and types and a fast and easy installation at temperatures ranging from -20° to +50°C
- No heat or flame needed during splice body installation
- Solderless earth connection by means of copper stocking and constant force springs
- Thick walled EPDM rubber cold shrink outer jacket tubes provide mechanical protection and moisture sealing of the complete inline joint
- Joints complete with mechanical connector for ease of installation
- No special tools are needed during splice installation
- Joint designed and tested to IEC60502-4



Inline cold shrink joints for 33kV single core XLPE cables

Part number	Conductor Size
94-AP630-1/C	120-240mm ²

Part number	Conductor Size
94-AP631-1/C	185-400mm ²

Heat Shrink Inline Joints



52kV Heat Shrink Inline Joint

FEATURES

- Designed to join inline single core 52kV unarmoured cables
- Range taking design
- Unlimited shelf life
- Designed for use with mechanical connectors
- Kit includes: Stress control tubes, Insulating sleeves, mastics and outer protection sleeve
- Network Rail approved
- Available for size and insulation transition.
- Cable joints for cross bonding/shield break applications also available
- Tested to IEEE 404 1993, EDF HN-68-S-20, SEN 24 1434, ESI 09-16 & IEC840

Part number	Description	Cable size	Diameter over insulation
EHVS-52H-1-W-1D	25/44kV Poly/Poly Straight Joint, excluding connector	95-300mm ²	30-45mm
EHVS-52H-1-W-2D	25/44kV Poly/Poly Straight Joint, excluding connector	300-630mm ²	42-55mm
Cable specification must be supplied with cable dimensions at time of order			

Cold Shrink QS III Splicing Kit



Cold Shrink QS III Splicing Kit

FEATURES

- Designed to join inline single core 52kV unarmoured cables
- No heat or flame is needed during installation
- Designed for use with mechanical connectors (included)
- One piece splice body
- Network Rail approved
- Tested to IEC60502-04

Partnumber	Description	Cable size	Diameter over insulation
95-AC645-1-240/C	25/44kV Poly/Poly Straight Joint, excluding connector	120-240mm ²	31.5-53.8mm
95-AC645-1-400/C	25/44kV Poly/Poly Straight Joint, excluding connector	300-400mm ²	31.5-53.8mm
Cable specification must be supplied with cable dimensions at time of order			

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Jointing Tech is a specialist electrical distributor supplying a full range of power cable and accessories into the renewable energy sector.

The Jointing Tech range includes:

- Distribution Transformers
- Switchgear
- LV Cabinets
- Earthing (inc HDC Cable)
- Troughing
- MV Joints
- MV Terminations
- HV Joints
- HV Terminations
- Insulation
- MV Power Cable
- DC Cable
- Earthing Design
- Lugs and Connectors
- Tool Hire and Sales

Generating electricity to power our homes and industry requires innovative technology based around proven products. Jointing Tech are the UK's prime distributor for the leading manufacturers within this vital market sector.

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HV Joints

Contents

72kV Heat Shrink and Cold Shrink Joints **144**



TE High Voltage Joints

FEATURES

- Designed to join inline single core 72kV XLPE cables
- Range taking design
- Unlimited shelf life
- Designed for use with mechanical connectors (included)
- Cable joints for cross bonding /shield break applications also available
- Tested to IEEE 404 1993, EDF HN-68-S-20, SEN 24 1434, ESI 09-16 & IEC840

Cable specification must be supplied for product selection and full cable dimensions at time of order



TE High Voltage Joint

3M High Voltage Joints

FEATURES

- Designed to join inline single core 66kV XLPE cables
- Range taking design
- One piece cold shrink splice body
- No heat, flame or special tools are needed during splice body installation
- Accommodates crimp or mechanical connectors (included)

Cable specification must be supplied with cable dimensions at time of order



3M High Voltage Joint

Jointing Tech



If you need us, just call your nearest branch or engineer.

We know that out of hours problems are the worst type for companies to encounter and that getting help can be difficult and frustrating.

Jointing Tech offer a 24/7 breakdown service which may make it possible for you to complete your installation. With an extensive stock profile and a knowledgeable team Jointing Tech could offer the products and solution you need.

Please note that this service may attract call out and delivery charges.

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Our service is your strength

Working in partnership with leading manufacturers to service the core electricity segments such as Distribution Network Operators (DNOs), Independent Network Service Operators (IDNOs), Power Contractors, Cable Pullers and HV Jointers.

Jointing Tech offers industry leading technical advice to ensure the right products are selected for each application.

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THE POWER TO DELIVER

HV Terminations

Contents



72kV Terminations **148**

52-72kV Cold Shrink
Terminations **149**

Single core Heat Shrink terminations for XLPE Cables

FEATURES

- Designed to terminate 72kV single core XLPE, CWS or lead sheathed cables for indoor/outdoor applications
- Designed for use with crimp or mechanical connectors
- Water and corrosion resistant
- Different creepage distance available
- Tested to IEEE 404 1993, EDF HN-68-2-20, SEN 24 1434, ESI 09-16 & IEC840
- PADS approved
- Kit content - Stress control tubes, insulating sleeves, mastics and rain sheds
- Please contact your nearest sales office with details of the full cable specification prior to order



Part number	Number of Sheds	Creepage Length	Voltage
IHVT-72	4	1600mm	72kV
OHVT-72	7	2200mm	72kV

Part number	Number of Sheds	Creepage Length	Voltage
OHVT-72-L	10	3000mm	72kV

Single core Cold Shrink terminations for XLPE Cables

FEATURES

- Designed to terminate 72kV single core lead sheathed or CWS, XLPE cables in outdoor applications to switchgear, cable boxes and pole top assemblies
- Silicone body provides excellent electrical performance and superior low temperature handling
- Quicker installation time saving money on labour costs
- Low temperature tool free installation
- Range taking, few components needed
- Suitable for use with mechanical lugs
- Kit contents - Termination body and mastic seal
- Please contact your nearest sales office with details of the full cable specification prior to order



Part number	Cable dimensions for XLPE cables				Lug dimension s-max dimensions
	Overall cable diameter	Diameter over primary insulation	Cable size	Earth screen size	
96-EP720-2(CWS)	90	33.0-60.0mm	120-1000mm ²	50mm ²	70mm
96-EP722-2 (Lead sheath)	90	33.0-60.0mm	120-1000mm ²	50mm ²	70mm
96-EP730-2 (CWS)	115	50.0-87.0mm	500-2000mm ²	50mm ²	115mm
96-EP732-2 (Lead sheath)	115	50.0-87.0mm	500-2500mm ²	50mm ²	115mm

Single core Self Supporting Terminations



Single Core self supporting cable terminations for 52-72kV XLPE cables in outdoor applications

FEATURES

- Designed to terminate 52 & 72kV single core XLPE cables where the termination is to be used as fixed connection point and for installations where there is risk of very high continuous creepage currents
- The cable termination consist of porcelain or composite insulator installed on a box body made of aluminium castings
- Can be assembled horizontally on the ground before installation
- The composite termination is a lightweight shatter resistant version
- The porcelain insulator is available in brown and the composite insulator is available in grey
- A supporting plate with stand-off insulators are used for an insulated mounting
- Suitable for cable sizes up to 1200mm²
- Meets the requirements of SS, IEC & IEEE
- Please contact your nearest sales office with details of the full cable specification prior to order

Part number	Insulator	Creepage Distance	Voltage
APED 521B	Porcelain	1340mm	52kV
APED 722B	Porcelain	2200mm	72kV

Part number	Insulator	Creepage Distance	Voltage
APED 722P	Composite	2330mm	72kV

Accessories

Part number	Description	Use
GAP-APED	Rod Gap	Protects against over voltage
PIU-APED	Post Insulator Kit	When insulating mounting
RE-APED-M	48-66 Insulation	Used for re-assembly of a termination (Stress cone included, clamp bolt to be ordered separately as required)
RE-APED-T	25-48.1 Insulation	Used for re-assembly of a termination (Stress cone included, clamp bolt to be ordered separately as required)

Part number	Description	Use
JSA	Earthing Kit	For cable with metallic screen (Not required for copper wire screen cables)
SCK	Screen Connection	For radial waterproof cable with Al-foil and copper wire screen



A comprehensive supply network

The background of the lower half of the page features a collage of images related to the power industry. On the left, two workers wearing yellow hard hats and high-visibility vests are looking upwards. In the center, a man in a blue shirt and tie is also looking upwards. On the right, a tall electricity pylon stands against a clear blue sky. The entire background is overlaid with a grid pattern.

Jointing Tech has comprehensive distribution agreements with the most trusted brands in the UK power network, which means we are uniquely positioned to supply competitively priced LV/MV/HV products that are approved for use across the electrical infrastructure of the UK.

These market leading products are supplied into power generation, transmission, distribution, rail electrification, renewable energy and private network projects nationwide.

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THE POWER TO DELIVER

Link Boxes

Contents

LV 2 & 4 Way **152**

LV 2 & 4 Way Link Boxes

FEATURES

- Can be jointed directly onto polymeric or paper insulated LV cables eliminating the need for intermediate lengths of polymeric cables and straight/transition joints
- Pre-fitted factory tailed units are available to speed up direct replacement installations
- Both 3 and 4 core variants are available
- All below are tested to BS EN50393 & 60947-1 and ER C81/4
- Pit frame and colour meet B125 EN124 standards



Description	Conductor Range	Weight
2 way 3-Core MK3 Link Box	70-300mm ²	39kg
4 way 3-Core MK3 Link Box	70-300mm ²	100kg
2 way multicable MK3 Link Box	70-300mm ²	42kg
2 way 3-Core MK3 Link Box double bolt version	70-300mm ²	39kg
4 way 3-Core MK3 Link Box double bolt version	70-300mm ²	100kg
2 way 3&4-Core Untailed MK3 Link Box	70-300mm ²	40kg
4 way 3&4-Core Untailed MK3 Link Box	70-300mm ²	102kg

Accessories
Wedge type links (83mm centres)
Insulated link remover (single)
Insulated link remover (multiple)

Accessories
Pavement frame and cover (300mm x 300mm)
Pavement frame and cover (600mm x 450mm)
Pavement cover lifting keys

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THE POWER TO DELIVER

Resins, Compounds & Accessories

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Insulating Compounds **159**



JSSC Two Part Resin

FEATURES

- Designed for cable joint encapsulation
- The resin consists of two parts: resin and hardener
- Type approved to CENELEC specification EN 50393



Part number

JSSC

Size

7 litres

Jem Resin

FEATURES

- Designed for cable joint encapsulation
- Supplied in clear pouches providing visibility during mixing
- Non-hazardous (non- irritant, non-sensitising, non-flammable)
- Independent testing has shown that no hazard labelling is required
- The resin consists of two parts: acrylic based resin and hardener
- Type approved to CENELEC specification EN 50393
- Power Utility specification ENA TS C81/3
- European legislation (REACH) compliant resin



Part number

JEM 600 9XJ

Description

Isofree Resin

Size

6 litres

Part number

JEM 200P (S POWER)

Description

Isofree Resin

Size

6 litres

Hazardous Area Resin

FEATURES

- Designed for cable joint encapsulation
- Supplied in clear pouches providing visibility during mixing
- Flame Retardant
- Chemical Resistant
- The resin consists of two parts: resin and hardener
- Type approved to CENELEC specification EN 50393
- European legislation (REACH) compliant resin



Part number

1402-FR B

Size

200ml

1402-FR C

370ml

Part number

1402-FR Mix Pack

Size

7.18 litres

Bicalflux



Part number	Size
F71003-02	150cc

R391



Part number	Size
JR391	0.5kg

Tallow



Part number	Size
JTALLOW	0.3kg

UNIAL



Part number	Size
UNIAL	250g

Solders



Part number	Description
JAP	Alca P Solder
JTS	Tinmans M Solder
JPS	Plumbers D Solder

Coraline Flux



Part number	Size
J70131-02	0.45kg

Densofil

FEATURES

- Anti-corrosion putty designed for sealing, filling and caulking
- Insulates fittings preventing condensation which protects against corrosion
- Lightweight material perfect for fitting around awkward items



Anti-corrosion putty

Part number

DENSOFIL

Size

2kg

Denso Paste

FEATURES

- A primer for denso tape and rust preventative for exposed metal
- It does not dry, harden or crack



Anti-corrosion primer

Part number

DENSO PASTE

Size

2.5kg

Denso Mastic

FEATURES

- Anti corrosion mastic for sealing, filling and caulking where protective waterproof insulation is required
- Suitable for application in a wide range of climatic conditions



Anti-corrosion mastic

Part number

DENSO MASTIC

Size

3kg

Denso Tape

FEATURES

- Anti-corrosion and sealing tape
- Suitable for application in a wide range of climatic conditions



Anti-corrosion tape

Part number

DENSO TAPE 50

Size

50mm x 10m

DENSO TAPE 75

75mm x 10m

DENSO TAPE 100

100mm x 10m

Cold Pour Insulating Compound



FEATURES

- Guroflex is a two-component cold pour insulating compound used to insulate between phase to phase and phase to earth.
- Tested to international performance standards for applications up to 36kV
- Cures to a soft solid
- Unaffected by water and traditional oil-based insulating compounds

Guroflex

Part number	Size
GUROFLEX-MV-C530	5.3 litres

Part number	Size
GUROFLEX-MV-C1000	10 litres

Hot Pour Insulating Compound



FEATURES

- Designed as a hot pour insulating compound for applications up to and including 11kV
- Available from stock in 10kg metal tins
- U.K Power Networks approved

G101-123 Compound

Part number	Size
G101-123	10kg

Hot Pour Insulating Compound



FEATURES

- Designed to insulate PILC cables terminated into a box up to 33kV
- Reduces the space needed between phases and earth
- G38A compound will tend to contract by approximately 6% on cooling, as a result there will be a need for topping up
- The high voltage electrical equipment may be energised when the compound temperature falls below 60°C
- Supplied in 25 litre metal tins

G38A Oil Insulation Compound

Part number	Size
G38A	25 litres

Earthing Design Service



Jointing Tech's design and technical services team can provide a total solution for your earthing requirements.

Jointing Tech are able to design earthing systems and technically support projects in the power, renewable and rail industries in addition to aiding with product selection, product approvals, advise on installation and the supply of earthing materials.

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- Soil Resistivity Surveys
- Full Earthing Design
- Material Take Off
- Earth Resistance Testing

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Earthing & Lightning Protection

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Bare Copper Tape

FEATURES

- Designed for use as conductor in earthing and lightning protection systems
- Conductor size determined by application and expected fault current
- Other sizes available on request
- High conductivity copper tape to BS EN 13601 (formerly BS 1432)
- UL 96 (TC030-UL, TC040-UL, TC080)
- Other coil sizes available
- Stamped tape available on request, e.g. 'National Grid'



Part number	Size	Weight per metre	Coil Size
TC030	25x3mm	0.67kg	25m
TC040	25x6mm	1.33kg	40m
TC065	38x6mm	2.02kg	25m

Part number	Size	Weight per metre	Coil Size
TC066	40x4mm	1.42kg	30m
TC075	50x4mm	1.78kg	30m
TC080	50x6mm	2.68kg	20m

PVC Covered Copper Tape

FEATURES

- Designed for use as conductor in earthing and lightning protection systems
- Conductor size determined by application and expected fault current
- Available in six colours
- High conductivity copper tape to BS EN 13601 (formerly BS 1432)
- PVC colours to BS 5252. * Green to BS 6746C



Part number	Colour	Size	Weight per metre	Coil Size
TC105-FU	Black	25x3mm	0.77kg	25m
TC110	Green	25x3mm	0.77kg	25m
TC115-FU	Grey	25x3mm	0.77kg	25m
TC120-FU	Stone	25x3mm	0.77kg	25m

Part number	Colour	Size	Weight per metre	Coil Size
TC125-FU	White	25x3mm	0.77kg	25m
TC130	Brown	25x3mm	0.77kg	25m
TC140-FU	Green	25x6mm	1.53kg	40m
TC145	Green	50x6mm	2.95kg	20m

Green & Yellow PVC Insulated Copper Tape

FEATURES

- Designed for use as conductor in earthing and lightning protection systems
- Conductor size determined by application and expected fault current
- High conductivity copper tape to BS EN 13601 (formerly BS 1432)
- PVC colours to BS 5252.



Part number	Colour	Size	Weight per metre	Coil Size
TC111-FU	Green & Yellow	25x3mm	0.79kg	25m

LSOH Covered Copper Tape



FEATURES

- Designed for use as conductor in earthing and lightning protection systems
- Conductor size determined by application and expected fault current.
- PVC sheath manufactured from LSOH material
- High conductivity copper tape to BS EN 13601 (formerly BS 1432)
- PVC colours to BS 6746C

Part number	Colour	Size	Weight per metre	Coil Size
TC910	Green	25x3mm	0.77kg	25m
TC940	Green	25x6mm	1.53kg	40m

Part number	Colour	Size	Weight per metre	Coil Size
TC980	Green	50x6mm	2.95kg	20m

Bare Aluminium Tape



FEATURES

- Designed for use as conductor above ground in lightning protection systems.
- High conductivity bare aluminium tape
- Aluminium tape to BS 2898-1350

Part number	Size	Weight per metre	Coil Size
TA030	25x3mm	0.21kg	50m
TA040	25x6mm	0.42kg	50m

Part number	Size	Weight per metre	Coil Size
TA068	40x6mm	0.67kg	50m
TA080	50x6mm	0.85kg	50m

PVC Covered Aluminium Tape



FEATURES

- Designed for use as conductor above ground in lightning protection systems.
- High conductivity aluminium tape
- Available in six colours
- Aluminium tape to BS 2898-1350
- PVC colours to BS 5252. * Green to BS 6746C

Part number	Colour	Size	Weight per metre
TA105	Black	25x3mm	0.30kg
TA110	Green	25x3mm	0.30kg
TA115	Grey	25x3mm	0.30kg

Part number	Colour	Size	Weight per metre
TA120	Stone	25x3mm	0.30kg
TA125	White	25x3mm	0.30kg
TA130	Brown	25x3mm	0.30kg

Hard Drawn Copper Bar

FEATURES

- Designed for use in high voltage distribution and control applications including switchgear, transformers, control panels and panel boards.
- Available bare or with tinned coating
- Other sizes available on request
- Hard drawn high conductivity copper bar to BS EN 12163



Part number	Copper	Size	Weight per metre	Length
BA205	Bare	25x3mm	0.67kg	3m
BA210	Bare	25x6mm	1.33kg	4m
BA225	Bare	38x6mm	2.03kg	4m
BA226	Bare	40x3mm	1.07kg	4m

Part number	Copper	Size	Weight per metre	Length
BA227	Bare	40x4mm	1.43kg	4m
BA230	Bare	50x6mm	2.67kg	3m
BA231	Tinned	50x6mm	2.67kg	3m

Hard Drawn Aluminium Bar

FEATURES

- Designed for use above ground in high voltage distribution and control applications including switchgear, control panels and panel boards.
- High conductivity hard drawn bar.
- Other sizes available on request
- Aluminium bar



Part number	Copper	Size	Weight per metre	Length
AL406	Bare	40x6mm	TBC	4m

Part number	Copper	Size	Weight per metre	Length
AL506	Bare	50x6mm	TBC	1m

Flat Tinned Copper Braid

FEATURES

- Electro Tin plated for extra corrosion resistance
- Other sizes available on request
- High conductivity copper wire to BS 4109-C101



Part number	Size	Weight per metre	Copper
E16mm²BRAID	16mm²	0.16kg	Tinned
E25mm²BRAID	25mm²	0.25kg	Tinned
E35mm²BRAID	35mm²	0.34kg	Tinned

Part number	Size	Weight per metre	Copper
E50mm²BRAID	50mm²	0.49kg	Tinned
E70mm²BRAID	70mm²	0.63kg	Tinned
E120mm²BRAID	120mm²	1.15kg	Tinned

PVC Covered Stranded Copper Cable



FEATURES

- Designed for use as conductor in electrical, earthing and lightning protection systems
- Green and Yellow sheath to identify as earth cable
- High conductivity PVC covered soft drawn stranded copper cable to BS 6004
- PVC colours to BS 6746C

Part number	Colour	Cross-sectional size	Weight per metre
CC016	Green & Yellow	16mm ²	0.19kg
CC025	Green & Yellow	25mm ²	0.29kg
CC035	Green & Yellow	35mm ²	0.41kg
CC050	Green & Yellow	50mm ²	0.53kg
CC070	Green & Yellow	70mm ²	0.73kg

Part number	Colour	Cross-sectional size	Weight per metre
CC095	Green & Yellow	95mm ²	1.00kg
CC120-FU	Green & Yellow	120mm ²	1.16kg
CC240	Green & Yellow	240mm ²	2.49kg
CC400-FU	Green & Yellow	400mm ²	3.90kg

Bare Stranded Copper Cable



FEATURES

- Designed for use as conductor in electrical, earthing and lightning protection systems
- High conductivity stranded copper cable
- Other sizes available on request
- Soft drawn stranded copper cable to BS EN 60228

Part number	Cross-sectional size	Weight per metre
CB016	16mm ²	0.15kg
CB025	25mm ²	0.23kg
CB035	35mm ²	0.32kg
CB050-FU	50mm ²	0.43kg
CB070	70mm ²	0.62kg

Part number	Cross-sectional size	Weight per metre
CB095	95mm ²	0.86kg
CB120	120mm ²	1.09kg
CB240	240mm ²	2.20kg
CB400-FU	400mm ²	3.53kg

Hard Drawn Copper Cable



FEATURES

- Designed for use as conductor in electrical, earthing and lightning protection systems
- High conductivity stranded hard drawn cable
- Other sizes available on request

Part number	Cross-sectional size	Weight per metre
ECHD50	50mm ²	0.53kg
ECHD70	70mm ²	0.73kg
ECHD95	95mm ²	1.00kg

Part number	Cross-sectional size	Weight per metre
ECHD125	125mm ²	1.25kg
ECHD185	185mm ²	2.01kg

Metallic DC Tape Clips

FEATURES

- Designed to fix down conductors to a building or structure
- DC tape clips manufactured from high quality copper alloy
- Excellent corrosion resistance and high pull off loads
- Tested to BS EN 50164
- UL 96 (CP210-H, CP220-H)



Part number	Material	Size	Weight each
CP210-H	Copper	25x3mm	0.07kg
CP220-H	Copper	25x6mm	0.08kg

Part number	Material	Size	Weight each
CP110-H	Aluminium	25x3mm	0.03kg
CP120-H	Aluminium	25x6mm	0.04kg

Adjustable Metallic DC Tape Clips

FEATURES

- Designed to be range taking and fix conductors to a building or structure
- DC tape clips manufactured from high quality copper alloy
- Excellent corrosion resistance and high pull off loads
- Tested to BS EN 50164
- UL 96 (CP260-H)



Part number	Material	Size	Weight each
CP240-H	Copper	38x3mm - 40x6mm	0.12kg

Part number	Material	Size	Weight each
CP260-H	Copper	50x3mm - 50x6mm	0.16kg

Non-Metallic DC Tape Clips

FEATURES

- Designed to fix conductors to a building or structure.
- Manufactured from high grade polypropylene
- UV stabilised and non brittle with high pull off loads.
- Available in 7 colours to match bare & pvc covered copper and aluminium tapes
- Tested to BS EN 50164



Part number	Use With	Colour	Size	Weight each
CP015	Bare Tape	Brown	25x3mm	0.01kg
CP020	Bare Tape	Grey	25x3mm	0.01kg
CP065	Bare Tape	Brown	50x6mm	0.02kg
CP025	PVC Covered Tape	Brown	25x3mm	0.01kg
CP030	PVC Covered Tape	Black	25x3mm	0.01kg

Part number	Use With	Colour	Size	Weight each
CP035	PVC Covered Tape	Green	25x3mm	0.01kg
CP040	PVC Covered Tape	Grey	25x3mm	0.01kg
CP045	PVC Covered Tape	Stone	25x3mm	0.01kg
CP050	PVC Covered Tape	White	25x3mm	0.01kg

Crossover Clamps



FEATURES

- Designed for forming cross joints in tapes fixed to a building or structure
- Screws are retained in 1 part of clamp with O rings when fitting conductor to prevent screws being lost and ensure a simple installation
- Manufactured from high quality copper alloy
- Low resistance connection between overlapping tapes
- Available in copper or aluminium
- BS EN 50164-1 Class H

Part number	Material	Size	Weight each
CX105-H	Copper	25x3mm	0.09kg

Part number	Material	Size	Weight each
CX005-H	Aluminium	25x3mm	0.03kg

Square Tape Clamps



FEATURES

- Designed for forming cross, tee, through and right angle joints with tapes that are fixed to a building or structure
- Screws are retained in one part of clamp with O rings when fitting conductor to prevent screws being lost and ensure a simple installation
- Manufactured from high quality copper alloy
- Low resistance connection between overlapping tapes
- Available in copper or aluminium
- BS EN 50164-1 Class H
- UL 96 (CT105H, CT110-H, CT115-H)

Part number	Material	Size	Weight each
CT105-H	Copper	25x3mm	0.12kg
CT110-H	Copper	25x6mm	0.30kg

Part number	Material	Size	Weight each
CT115-H	Copper	50x6mm	0.60kg
CT005-H	Aluminium	25x3mm	0.06kg

Oblong Test Clamps



FEATURES

- Designed to connect lightning protection to earthing system & facilitate periodic testing
- Manufactured from high quality copper alloy
- Low resistance connection between overlapping tapes
- Available in copper or aluminium
- BS EN 50164-1 Class H
- UL 96 (CN105-H)

Part number	Material	Size	Weight each
CN105-H	Copper	25x3mm	0.29kg

Part number	Material	Size	Weight each
CN005	Aluminium	25x3mm	0.12kg

'B' Bonds

FEATURES

- Designed to facilitate bonding to steel structures onto a lightning protection system
- Manufactured from high quality copper alloy
- Available in copper or aluminium
- BS EN 50164-1 Class H, BS 7430



Part number	Material	Max Tape Width	Weight each
BN105	Copper	26mm	0.12kg

Part number	Material	Max Tape Width	Weight each
BN005	Aluminium	26mm	0.06kg

RWP Bonds

FEATURES

- Designed to facilitate bonding of rainwater pipes and handrails onto lightning protection system
- Manufactured from high quality copper alloy
- Available in copper or aluminium
- BS 7430



Part number	Material	Max Tape Width	Weight each
BN115	Copper	26mm	0.12kg

Part number	Material	Max Tape Width	Weight each
BN010	Aluminium	26mm	0.07kg

Pipe Bonds

FEATURES

- Designed to facilitate bonding of ducts and large diameter pipes onto lightning protection system
- Manufactured from high quality copper alloy
- Available in copper or aluminium
- BS EN 50164-1 Class H, BS 7430



Part number	Material	Weight each
BN175	Copper	0.46kg

Part number	Material	Weight each
BN176	Aluminium	0.25kg

Braid Bonds

FEATURES

- Designed to facilitate the bonding of gates, doors & fences to lightning protection system
- Manufactured from high quality copper braids
- Other sizes available on request
- BS 7430



Part number	Hole Centres	Weight each
BN505	200mm	0.09kg

Part number	Hole Centres	Weight each
BN510	400mm	0.15kg

Copperbond Earth Rods



FEATURES

- Designed to be driven into the ground to provide a low resistance to earth for the interconnected lightning protection system
- Manufactured by molecularly bonding 99.9% copper on to a low carbon steel core
- Copper thickness minimum 250 microns
- BS EN 50164-2, BS 7430

Part number	Material	Size	Weight each
RB205-FU	Copperbond	5/8" x 1200mm	1.53kg
RB210	Copperbond	5/8" x 1500mm	1.88kg
RB215	Copperbond	5/8" x 1800mm	2.29kg
RB220-FU	Copperbond	5/8" x 2100mm	2.51kg
RB225	Copperbond	5/8" x 2400mm	3.00kg
RB235	Copperbond	5/8" x 3000mm	3.79kg

Part number	Material	Size	Weight each
RB305	Copperbond	3/4" x 1200mm	2.19kg
RB310	Copperbond	3/4" x 1500mm	3.27kg
RB320-FU	Copperbond	3/4" x 2100mm	3.83kg
RB325	Copperbond	3/4" x 2400mm	4.35kg
RB335	Copperbond	3/4" x 3000mm	5.44kg

Coupling



FEATURES

- Designed to interconnect earth rods to enable earth rod assembly to be driven deeper to lower resistance
- Manufactured from high copper content alloy
- Excellent resistance to corrosion
- BS EN 50164-1

Part number	Material	Size	Weight each
CG270	Copper	5/8"	0.08kg

Part number	Material	Size	Weight each
CG370	Copper	3/4"	0.13kg

Driving Stud



FEATURES

- Designed to be used in conjunction with a coupling to drive the earth rod into the ground and avoid damaging the threads of the rod
- Manufactured from carbon steel
- BS EN 50164-1

Part number	Material	Size	Weight each
DST200	Steel	5/8"	0.08kg

Part number	Material	Size	Weight each
DST300	Steel	3/4"	0.12kg

Solid Copper Earth Rods

FEATURES

- Designed to be driven into the ground to provide a low resistance to earth for the interconnected lightning protection system
- Solid copper rods offer a greater resistance to corrosion
- Ideal for soil with a high salt content



Part number	Material	Size	Weight each
RC010	Solid Copper	15mm x 1200mm	1.88kg

Part number	Material	Size	Weight each
RC015	Solid Copper	20mm x 1200mm	3.34kg

Coupling Dowel

FEATURES

- Designed to interconnect earth rods to enable earth rod assembly to be driven deeper to lower resistance
- Ideal for soil with high salt content.



Part number	Material	Size	Weight each
CG013	Copper	15/20mm	0.02kg

Driving Stud

FEATURES

- Designed to be used in conjunction with a coupling to drive the earth rod into the ground and avoid damaging the threads of the rods
- Manufactured from hardened steel



Part number	Material	Size	Weight each
ST010	Hardened steel	15mm	0.02kg

Part number	Material	Size	Weight each
ST015	Hardened steel	20mm	0.05kg

Over Spike

FEATURES

- Designed to aid the rod to be driven into the ground using a sharp spike
- Manufactured from hardened steel



Part number	Material	Size	Weight each
SP010	Hardened steel	15mm	0.02kg

Part number	Material	Size	Weight each
SP015	Hardened steel	20mm	0.05kg

Earth Plates - Lattice & Solid Copper



FEATURES

- Designed to be buried in the ground to provide a low resistance to earth for the interconnected lightning protection system
- Manufactured from high conductivity copper
- Available in either solid or lattice copper
- Lattice to BS EN 13601
- Solid copper to BS EN 12163

Part number	Description	Size	Weight each
PE110	Lattice	600 x 600 x 3mm	3.98kg
PE120	Lattice	900 x 900 x 3mm	7.20kg

Part number	Description	Size	Weight each
PE010	Solid Copper	600 x 600 x 3mm	9.74kg
PE020	Solid copper	900 x 900 x 3mm	21.74kg

Marconite



FEATURES

- Designed to be added in place of sand and aggregate to cement to provide a conductive aggregate which lowers the resistance to earth.
- When used as a backfill for earth electrodes marconite impregnated concrete greatly increases the electrode's surface area.
- Ideal for poor ground conditions where low resistances are problematical
- A permanent solution that doesn't dry out like moisture retaining clay in inclement weather conditions
- Available in powder and granules
- Please contact Jointing Tech to calculate quantity of materials required using Backfill software

Part number	Type	Weight
MARCONITE	Powder	25kg

Part number	Type	Weight
MARCONITE-PM	Granules	25kg

Bentonite



FEATURES

- Designed to be mixed with water to produce a moisture retaining clay which lowers the resistance to earth
- The clay is a sodium activated montmorillonite which when mixed with water swells to many times its dry volume
- Bentonite has the ability to hold moisture content for a considerable period of time and absorb moisture from the surrounding area
- Ideal for poor ground conditions where low resistances are problematical
- Available in powder and granules
- Contact your nearest sales office and using the Furse Backfill software we will advise on the quantity required for each installation

Part number	Type	Weight each
CM015	Powder	25kg

Part number	Type	Weight each
CM015-PM	Granules	25kg

Rod to Tape Clamp (Type A)

FEATURES

- Designed to connect earth rod to copper tape to complete earth rod assembly
- Manufactured from high quality copper alloy
- Phosphor bronze fitting
- BS EN 50164-1 (Class H)
- BS 7430
- UL 467 (CR105)



Part number	Rod Diameter	Conductor Size	Weight each
CR105	5/8"	26 x 12mm	0.15kg
CR105	3/4"	26 x 10mm	0.15kg

Part number	Rod Diameter	Conductor Size	Weight each
CR115	5/8"	51 x 8mm	0.30kg
CR125	3/4"	51 x 12mm	0.30kg

Rod to Cable Clamp (Type G)

FEATURES

- Designed to connect earth rod to copper cable to complete earth rod assembly
- Manufactured from high quality copper alloy
- Phosphor bronze fitting
- BS EN 50164-1 (Class H)
- BS 7430



Part number	Rod Diameter	Conductor Size	Weight each
CR515	5/8"	16-70mm²	0.06kg

Part number	Rod Diameter	Conductor Size	Weight each
CR520	3/4"	35-95mm²	0.06kg

Rod to Cable Lug Clamp (Type B)

FEATURES

- Designed to connect earth rod to copper cable via lug to complete earth rod assembly.
- Manufactured from high quality copper & aluminium alloys
- Phosphor bronze fitting
- BS 7430



Part number	Rod Diameter	Stud	Weight each
CR205	3/8"	M8	0.09kg
CR215	5/8"	M10	0.30kg

Part number	Rod Diameter	Stud	Weight each
CR225	3/4"	M10	0.30kg

'U' Bolt Rod Clamp (Type E)



FEATURES

- Designed to facilitate the connection of rod or rebar to copper cable with a lug
- Manufactured from high quality copper alloy
- Phosphor bronze fittings
- BS 7430
- UL 467 (CR305)

Part number	Rod Diameter	Hole Centres	Weight each
CR305	5/8"	37mm	0.20kg

Part number	Rod Diameter	Hole Centres	Weight each
CR310	3/4"	37mm	0.20kg

'U' Bolt Rod Clamp (Type E) - CR320



FEATURES

- Designed to facilitate the connection of rod or rebar to copper tape
- Includes additional back plate to allow the tape to be clamped without drilling
- Manufactured from high quality copper alloy
- Phosphor bronze fittings
- BS 7430

Part number	Rod Diameter	Conductor Width	Hole Centres	Weight each
CR320	5/8"	25mm	37mm	0.26kg

Rod to Cable Clamp (Type GUV)



FEATURES

- Designed to facilitate the connection of rod or rebar to larger sizes of copper cable
- Manufactured from high quality copper alloy.
- Phosphor bronze fittings
- BS EN 50164-1 Class H, BS 7430
- UL 467

Part number	Rod Diameter	Conductor Range	Hole Centres	Weight each
CR700	5/8"	16-95mm ²	37mm	0.39kg
CR705	5/8"	70-185mm ²	37mm	0.39kg
CR730	5/8"	150-300mm ²	37mm	0.62kg

Part number	Rod Diameter	Conductor Range	Hole Centres	Weight each
CR700	3/4"	16-70mm ²	37mm	0.39kg
CR705	3/4"	70-150mm ²	37mm	0.39kg
CR730	3/4"	150-300mm ²	37mm	0.62kg

Concrete Inspection Pit

FEATURES

- Designed to provide access to the earth rod assembly for periodic testing
- The concrete inspection pit is load rated to 3,500kg
- Not suitable in areas where high load small wheel vehicles are used
- Available with integral earth bars (see below)



Part number	Description	Material	Weight each
PT005	Concrete Inspection Pit	Concrete	30kg

Lightweight Inspection Pit

FEATURES

- Designed to provide access to the earth rod assembly for periodic testing
- Suitable for most types of earthing & lightning protection installations
- Manufactured from high performance polymer, UV stable & chemically resistant
- The lightweight inspection pit is load rated to 5,000kg
- The lightweight earth pit has a lockable lid
- Available with integral earth bar (see below)



Part number	Description	Material	Weight each
PT205	Lightweight Inspection Pit	Polymer	1.80kg

Inspection Pit Earth Bars

FEATURES

- Designed to fit inside inspection pits to facilitate multiple terminations
- Pre-drilled high conductivity copper bar



Part number	Inspection Pit	Description	Material	Weight each
PT004	Lightweight	5 Hole Earth Bar	Copper	0.40kg
PT006	Concrete	5 Hole Earth Bar	Copper	0.40kg
PT007	Concrete	7 Hole Earth Bar	Copper	0.58kg

Silfos

FEATURES

- Self fluxing brazing compound used to make a permanent connection when joining copper conductors
- Used in substation earthing where space is restricted
- An alternative to tape to tape connections and exothermic welding



Part number	Size	Weight	Coil Size
FS005	50 x 12mm	0.50kg	8m

Earth Bars



FEATURES

- Earth Bars are an efficient and convenient way of providing a common earth point with integral disconnecting links which facilitate easy isolation for testing purposes
- Manufactured out of high conductivity 50x6mm HD copper bar
- The PVC channel base is entirely corrosion proof - made with high impact uPVC unlike the traditional galvanised steel channel
- Lighter and easier to handle - the use of a modern polymer channel has reduced the weight of the product making it easier to handle
- M10 phosphor bronze stud assemblies
- Pre-drilled holes for ease of installation
- A range of four designs to meet most installation requirements
- Custom made earth bar service available

Standard Earth Bar



FEATURES

- A standard earth bar to facilitate multiple connections to earth

Part number	No. of Ways	Stud	Size	Weight each
LK245-4	4	M10	300 x 90 x 90mm	1.4kg
LK245-6	6	M10	400 x 90 x 90mm	1.80kg
LK245-8	8	M10	500 x 90 x 90mm	2.20kg
LK245-10	10	M10	650 x 90 x 90mm	2.80kg
LK245-12	12	M10	750 x 90 x 90mm	3.20kg

Part number	No. of Ways	Stud	Size	Weight each
LK245-16	16	M10	950 x 90 x 90mm	4.00kg
LK245-20	20	M10	1200 x 90 x 90mm	5.00kg
LK245-24	24	M10	1400 x 90 x 90mm	5.80kg
LK245-28	28	M10	1650 x 90 x 90mm	6.90kg

Earth Bar with Single Disconnecting Link



FEATURES

- An earth bar with single disconnecting link to facilitate multiple connections to earth with the option of isolating for testing purposes

Part number	No. of Ways	Stud	Size	Weight each
LK243-4	4	M10	375 x 90 x 96mm	1.9kg
LK243-6	6	M10	475 x 90 x 96mm	2.30kg
LK243-8	8	M10	575 x 90 x 96mm	2.70kg
LK243-10	10	M10	725 x 90 x 96mm	3.30kg
LK243-12	12	M10	825 x 90 x 96mm	3.70kg

Part number	No. of Ways	Stud	Size	Weight each
LK243-16	16	M10	1025 x 90 x 96mm	4.50kg
LK243-20	20	M10	1275 x 90 x 96mm	5.50kg
LK243-24	24	M10	1475 x 90 x 96mm	6.30kg
LK243-28	28	M10	1725 x 90 x 96mm	7.40kg

Earth Bar with Twin Disconnecting Link

FEATURES

- An earth bar with twin disconnecting links to facilitate multiple connections to earth with the option of isolating from either side of the earth bar for testing purposes



Part number	No. of Ways	Stud	Size mm	Weight each
LK207-4	4	M10	400 x 90 x 96mm	XXXXX
LK207-6	6	M10	550 x 90 x 96mm	2.80kg
LK207-8	8	M10	650 x 90 x 96mm	3.20kg
LK207-10	10	M10	800 x 90 x 96mm	3.80kg
LK207-12	12	M10	900 x 90 x 96mm	4.20kg

Part number	No. of Ways	Stud	Size mm	Weight each
LK207-16	16	M10	1100 x 90 x 96mm	5.00kg
LK207-20	20	M10	1350 x 90 x 96mm	5.50kg
LK207-24	24	M10	1550 x 90 x 90mm	6.80kg
LK207-28	28	M10	1800 x 90 x 90mm	7.90kg

Disconnecting Link

FEATURES

- A disconnecting link to enable easy isolation for testing purposes

Part number	Description	Size mm	Weight each
LK205	Disconnecting Link	125 x 90 x 90	5.90kg



Swan Neck Accessory

FEATURES

- Designed to facilitate an easy connection from the main earth bar to the earth ring without the need to bend the copper
- Manufactured from hard drawn copper bar

Part number	Description	Size mm	Weight each
LK004	Swan Neck	400 x 50 x 36	0.42kg



Insulator

FEATURES

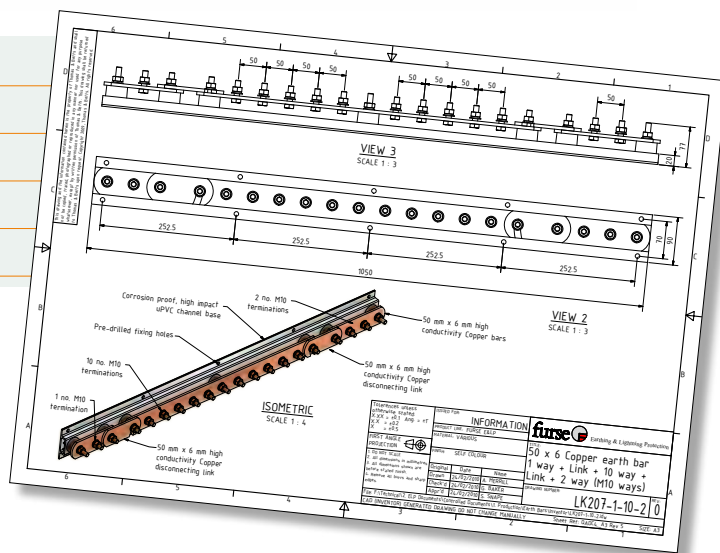
- High quality zero halogen stand off insulator
- Manufactured from DMC with brass inserts

Part number	Description	Thread size mm	Weight each
IN005	Insulator with Stud Assembly	M10	0.22kg





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- High quality product
- Technical Backup (Design & Installation)
- Product datasheets available on request



EARTH BAR SELECTION CHECKLIST

- No of Earth Connections Required _____
- Hole Centres mm (e.g. 50mm) _____
- Size of Hard Drawn Bar (e.g. 50x6mm) _____
- Type of Fittings (e.g. phosphor bronze) _____
- Size of Fittings (e.g. M10) _____
- Type of Base (e.g. PVC) _____

PLEASE CONTACT YOUR NEAREST SALES OFFICE FOR MORE INFORMATION

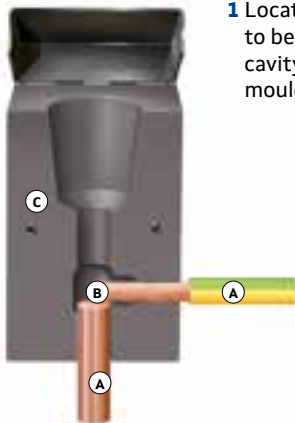
The FurseWELD Process

FEATURES

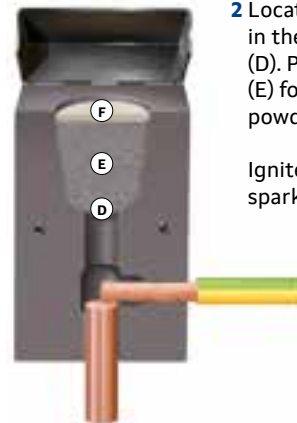
- Furseweld exothermic welding is a cost efficient method of making a large or small number of high quality electrical connections
- A simple self contained system that uses the high temperature reaction of powdered copper oxide and aluminium within a mould to form permanent electrical connections
- Typical applications include Earthing for power plants & substations, transmission and power distribution lines, cathodic protection and rail connections
- Requires no external power or heat source
- Is completely portable
- Can be used safely with minimum training



Making a FurseWELD joint is a simple procedure as illustrated below:

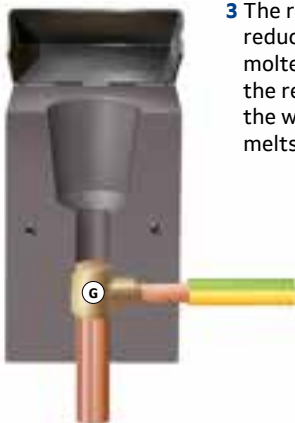


- 1** Locate the conductors (A) to be joined in the weld cavity (B) and close the mould (C).



- 2** Locate the steel retaining disc in the base of the crucible (D). Pour in the weld powder (E) followed by the starting powder (F).

Ignite starting powder with a spark gun.

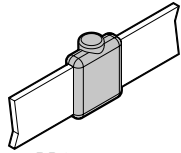


- 3** The resulting exothermic reaction reduces the weld powder to molten copper alloy which melts the retaining disc and flows into the weld cavity where it partially melts the conductors (G).

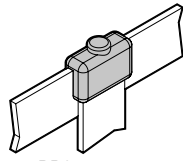
- 4** The molten copper alloy cools to leave a fusion weld of great mechanical and electrical integrity.



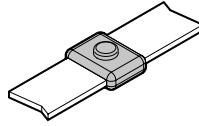
Bar to bar



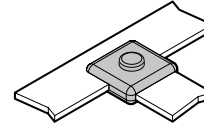
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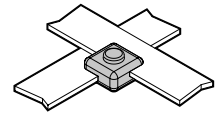
BB3



BB7

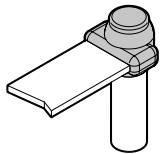


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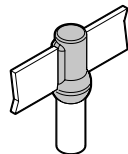


BB41

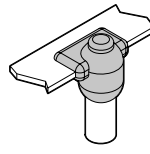
Bar to earth rod



BR1

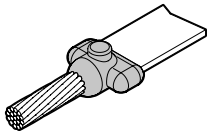


BR2

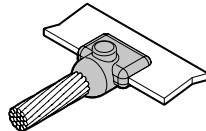


BR7

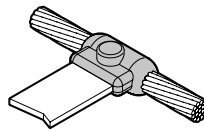
Cable to bar



CB1

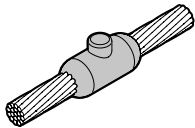


CB4

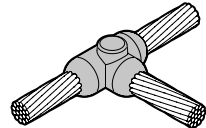


CB5

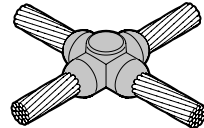
Cable to cable



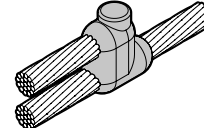
CC1



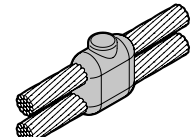
CC2



CC4

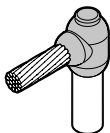


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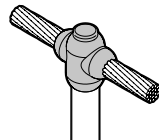


CC7

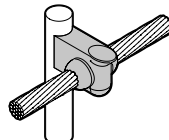
Cable to earth rod



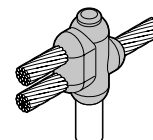
CR1



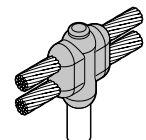
CR2



CR3



CR17



CR24

Anti-Vandal Guard

FEATURES

- Anti-Vandal tape guards provide protection from accidental damage, vandalism and theft from flat tapes up to 50mm wide
- Easy to secure using security pins into concrete structures
- Low Profile with galvanised finish offers a long lasting resistance to corrosion



Part number	Width	Length
AVS025-1100	25mm	1.1m
AVS040-1100	40mm	1.1m

Part number	Width	Length
AVS050-1100	50mm	1.1m

Anti-Vandal Guards - Section

FEATURES

- Anti-Vandal tape guards provide protection from accidental damage, vandalism and theft from flat tapes up to 50mm wide
- Easy to secure
- Low Profile with galvanised finish offers a long lasting resistance to corrosion



Part number	Width	Length
AVS025-300	25mm	300m
AVS040-300	40mm	300m

Part number	Width	Length
AVS050-300	50mm	300m

Anti Vandal Guards - Section

FEATURES

- Anti Vandal tape guards provide protection from accidental damage, vandalism and theft from flat tapes upto 50mm wide
- Easy to secure using security pins into concrete structures
- Low Profile with galvanised finish offers a long lasting resistance to corrosion



Part number	Width
AVL025	25mm
AVL040	40mm

Part number	Width
AVL050	50mm

Anti-Vandal Guards - 3 Way Cover

FEATURES

- Anti-Vandal tape guards provide protection from accidental damage, vandalism and theft from flat tapes upto 50mm wide
- Easy to secure using security pins into concrete structures
- Low Profile with galvanised finish offers a long lasting resistance to corrosion



Part number	Width
AVT025	25mm
AVT040	40mm

Part number	Width
AVT050	50mm

Anti-Vandal Guards - 4 Way Cover



FEATURES

- Anti-Vandal tape guards provide protection from accidental damage, vandalism and theft from flat tapes upto 50mm wide
- Easy to secure using security pins into concrete structures
- Low Profile with galvanised finish offers a long lasting resistance to corrosion

Part number	Width
AVX025	25mm
AVX040	40mm

Part number	Width
AVTX050	50mm

Anti-Climb Paint



FEATURES

- Anti-Climb paint is used to prevent climbing on objects such as lamp posts, walls and fences using a non-drying oil that keeps the surface greasy and slippery
- It leaves its mark on the person touching it and hence makes it possible for intruders to be identified
- Can be used in hot and cold weather conditions

Part number	Volume
ATPAINT	0.5l

Camouflage Paint



FEATURES

- Camouflage paint is used to disguise copper as aluminium to deter theft

Part number	Volume
CAMPAIN	5l



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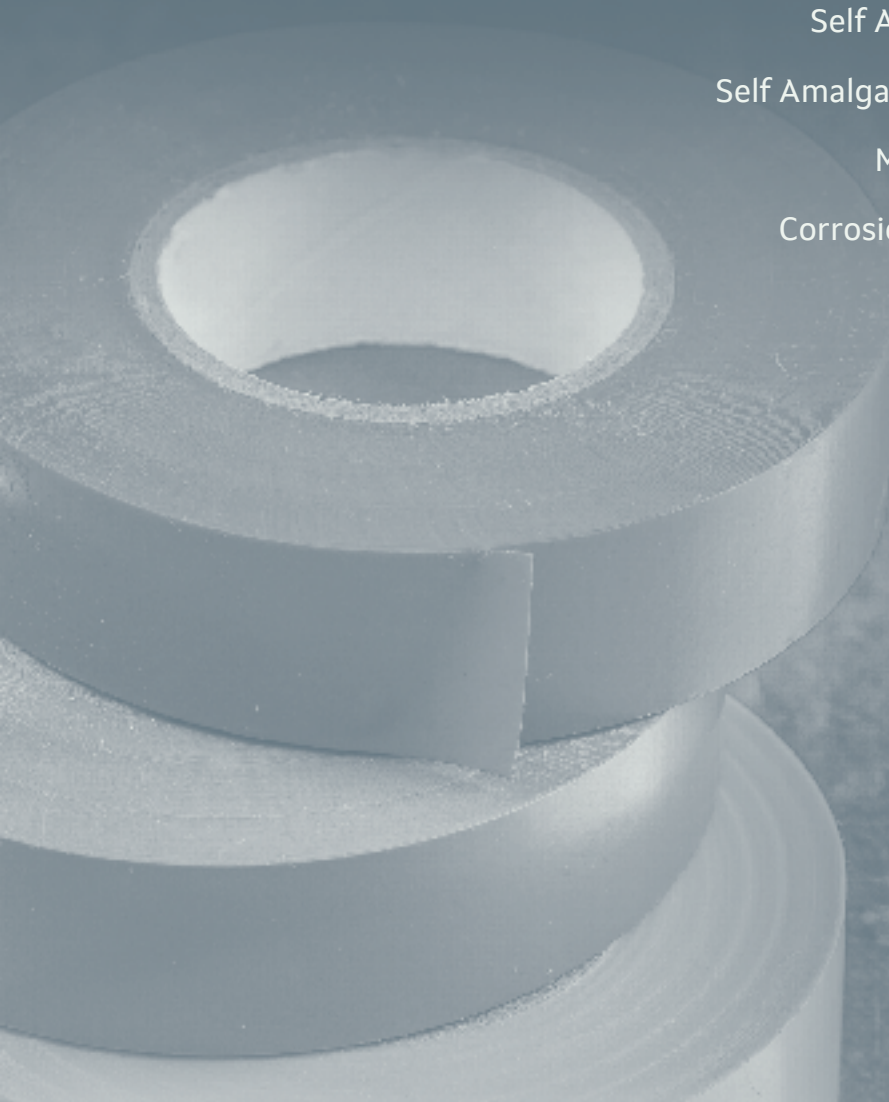
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THE POWER TO DELIVER

Tapes, Aerosols and Accessories

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Scapa 2702 PVC Tape

FEATURES

- Good resistance to abrasion, Corrosion and moisture
- High dielectric strength and good mechanical protection
- Conforms to BS3924



Self-extinguishing plasticised PVC tape

Part Number	Material	Colour	Size	Coil size
2702 BLACK	PVC	Black	19mm x 0.13mm	33m
2702 BLUE	PVC	Blue	19mm x 0.13mm	33m
2702 BROWN	PVC	Brown	19mm x 0.13mm	33m
2702 GREY	PVC	Grey	19mm x 0.13mm	33m
2702 GREEN/YELLOW	PVC	Green/Yellow	19mm x 0.13mm	33m
2702 RED	PVC	Red	19mm x 0.13mm	33m
2702 YELLOW	PVC	Yellow	19mm x 0.13mm	33m
2702 WHITE	PVC	White	19mm x 0.13mm	33m

Scotch 35 Tape

FEATURES

- Designed for use in phase identification and general purpose cable insulation
- Abrasion and weather resistant
- Joint, Termination and Connectors insulation up to 600V
- Resistant to moisture, alkalis, acids, U.V and corrosion
- Available in a range of fade resistant colours, see below
- Conforms to BS 3924 and UL 510
- Temperature rating 80°C



High quality colour coding PVC tape

Part Number	Material	Colour	Size	Coil size
SCOTCH35BR	PVC	Brown	19mm x 0.178mm	20m
SCOTCH35GR	PVC	Grey	19mm x 0.178mm	20m
SCOTCH35OR	PVC	Orange	19mm x 0.178mm	20m
SCOTCH35RE	PVC	Red	19mm x 0.178mm	20m

Part Number	Material	Colour	Size	Coil size
SCOTCH35VI	PVC	Blue	19mm x 0.178mm	20m
SCOTCH35WH	PVC	White	19mm x 0.178mm	20m
SCOTCH35YE	PVC	Yellow	19mm x 0.178mm	20m

Scotch 33 Tape

FEATURES

- Indoor/Outdoor insulations and for general purpose wiring applications and cable joints up to 600V
- Provides protective jacketing for High Voltage cable joints and repairs
- Flame retardant with excellent resistance to abrasion, moisture, alkalis, acid and copper corrosion
- Other sizes available on request
- Conforms to BS 3924 and UL 510
- Temperature rating 80°C



General purpose PVC insulating tape

Part Number	Material	Colour	Size	Coil size
SCOTCH33-19	PVC	Black	19mm x 0.178mm	33m
SCOTCH33-25	PVC	Black	25mm x 0.178mm	33m

Part Number	Material	Colour	Size	Coil size
SCOTCH33-38	PVC	Black	38mm x 0.178mm	33m

Scotch Super 33+ Tape



Premium grade all weather PVC insulating tape

FEATURES

- Designed for primary electrical insulation for cable splices and busbar applications
- All weather tape suitable for cold weather applications
- Flame retardant and highly conformable
- Excellent resistance to abrasion, moisture, alkalis, acid, copper corrosion.
- Provides protective jacketing for HV cable splices and repairs (up to 600V)
- Conforms to BS 3924 and UL 510
- Temperature rating - 18°C to 105°C

Part Number	Material	Colour	Size	Coil size
SCOTCH33+	PVC	Black	19mm x 0.178mm	20m

Scotch Super 88 Tape



Premium grade heavy duty all weather PVC tape

FEATURES

- Designed for primary electrical insulation for cable splices and busbar applications
- Excellent abrasion and puncture resistance
- All weather tape suitable for cold weather applications
- Flame retardant and highly conformable
- Excellent resistance to moisture, alkalis, acid, copper corrosion
- Provides protective jacketing for HV cable splices and repairs (up to 600V)
- Conforms to BS 3924 and UL 510
- Temperature rating -18°C to +105°C

Part Number	Material	Colour	Size	Coil size
SCOTCH88-19	PVC	Black	19mm x 0.216mm	20m
SCOTCH88-25	PVC	Black	25mm x 0.216mm	33m
SCOTCH88-38	PVC	Black	38mm x 0.216mm	33m

Scotch 22 Tape



Extra heavy duty PVC tape

FEATURES

- Designed for heavy duty applications, harnessing, cable sheath repair and sealing connectors
- High elastic memory, excellent abrasion and puncture resistance
- All weather tape suitable for cold weather applications
- Flame retardant and highly conformable
- Excellent resistance to moisture, alkalis, acid, copper corrosion
- Conforms to BS 3924 and UL 510
- Temperature rating -10°C to +80°C

Part Number	Material	Colour	Size	Coil size
SCOTCH22-12	PVC	Black	12mm x 0.254mm	33m
SCOTCH22-19	PVC	Black	19mm x 0.254mm	33m
SCOTCH22-25	PVC	Black	25mm x 0.254mm	33m
SCOTCH22-38	PVC	Black	38mm x 0.254mm	33m
SCOTCH22-50	PVC	Black	50mm x 0.254mm	33m

Scotch 23 Tape

FEATURES

- Primary electrical insulation for cable jointing and terminating up to 69kV
- Suitable for jacketing on HV splices and terminations and end sealing on HV cables
- Can be stretched up to 100% to give void free, moisture resistant insulation
- Physical and electrical properties unaffected by the degree of stretch
- Temperature rating 90°C



**Rubber self amalgamating
all voltage splicing tape**

Part Number	Material	Colour	Size	Coil size
SCOTCH23-19	Rubber	Black	19mm x 0.76mm	9.15m
SCOTCH23-25	Rubber	Black	25mm x 0.76mm	9.15m
SCOTCH23-38	Rubber	Black	38mm x 0.76mm	9.15m
SCOTCH23-50	Rubber	Black	50mm x 0.76mm	9.15m

Scotch 130C Tape

FEATURES

- Primary electrical insulation for cable jointing and terminating up to 69kV and building stress cones up to 35kV
- Suitable for jacketing on HV splices and terminations and end sealing on HV cables
- Flame retardant, UV and weather and corona resistant
- Can be stretched up to 75% to give void free, moisture resistant insulation
- Physical and electrical properties unaffected by the degree of stretch
- Temperature rating 90°C



**Linerless EPR self
amalgamating all voltage
splicing tape**

Part Number	Material	Colour	Size	Coil size
SCOTCH130C-19	Rubber	Black	19mm x 0.762mm	9m
SCOTCH130C-25	Rubber	Black	25mm x 0.762mm	9m
SCOTCH130C-38	Rubber	Black	38mm x 0.762mm	9m
SCOTCH130C-50	Rubber	Black	50mm x 0.762mm	9m

Scotch 70 Tape

FEATURES

- Designed as an over-wrap for protection of terminating high-voltage cables against arcing and tracking
- Excellent arc and track resistance
- Excellent performance in low and high temperature environments
- Instantaneous fusion and excellent conformability.
- High dielectric strength
- Temperature rating 180°C (Class H)



**Self fusing arc and track
resistant tape**

Part Number	Material	Colour	Size	Coil size
SCOTCH70	Rubber	Black	25mm x 0.3mm	9m

Scotch 13 Tape



Semi-conducting rubber high voltage tape

FEATURES

- Electrically rounds-off high voltage connectors and lugs and provides screen continuation for high voltage joints and terminations
- Replaces semi-conducting layer beneath metallic shield of damaged cables
- Forms conductive portion of stress cones
- Non vulcanising and highly conformable to irregular shapes
- Resists cracking, solvents, UV and moisture
- Tape and liner boldly printed to distinguish from insulating tape
- Meets requirements of ASTM-D4388, Type IV
- Temperature rating 90°C. Emergency cable 130°C

Part Number	Material	Colour	Size	Coil size
SCOTCH13	Mastic	Black	19mm x 0.762mm	4.5m

Scotch 2220 Tape



Stress control all voltage tape

FEATURES

- Designed to provide stress relief for all cable terminations and HV joints
- Reduces stress concentration to values found in continuous cables
- Changes voltage distribution in electrical field surrounding a HV termination or joint
- Temperature rating 90°C

Part Number	Material	Colour	Size	Coil size
SCOTCH2220	Mastic	Black	19mm x 0.762mm	4.5m

Scotchfil Putty



Electrical insulation putty tape

FEATURES

- Recognised as a joint insulation for electrical conductors when over wrapped with either Super 33+ or Super 88 electrical tape
- To insulate low-voltage (600 volts and less) connections
- To build up cable joints and fill out major irregularities and voids in low-voltage joints (2300 volts and less) in order to obtain a uniform base for further taping
- Non corrosive synthetic rubber
- Excellent electrical and ageing properties
- UL recognised
- Temperature rating 80°C

Part Number	Material	Colour	Size	Coil size
SCOTCHFIL	Rubber	Black	38mm x 3.175mm	1.5m

Scotch 2210 Tape

FEATURES

- Designed to insulate and moisture seal all connections up to 600V
- Excellent resistance to abrasion, moisture, alkalis, acid and copper corrosion
- Highly resistant to ultra violet light
- Flexible over wide range of temperatures
- Available in either tape or pads
- Temperature rating –18°C to +38°C



Self fusing vinyl mastic tape and pads

Part Number	Material	Colour	Size	Coil size
SCOTCH 2210-19	PVC	Black	19mm	6m
SCOTCH 2210-38	PVC	Black	38mm	6m
SCOTCH 2200 PADS	PVC	Black	114mm x 165mm	-

Scotch 2228 Tape

FEATURES

- Designed to insulate and moisture seal all connections up to 1000V
- Highly conformable for applications over irregular surfaces
- Excellent weather and moisture resistance
- Flexible over wide range of temperatures
- Temperature rating –18°C to +90°C



Self amalgamating rubber mastic tape

Part Number	Material	Colour	Size	Coil size
SCOTCH2228	EPR	Black	50mm x 1.65mm	3.03m

Scotch 2229 Tape

FEATURES

- Designed for insulating, padding and sealing of objects that need to be protected from adverse environmental conditions.
- Excellent corrosion protection properties.
- Highly conformable for applications over irregular surfaces
- Wide temperature stability while maintaining its sealing properties.
- Excellent chemical and UV resistance
- Temperature rating –34°C to +71°C



Mastic tape

Part Number	Material	Colour	Size	Coil size
SCOTCH2229	Mastic	Black	25mm x 3.2mm	3.08m

Scotch 2221 Oil Barrier Mastic Tape



Self fusing oil resistant elastomeric PU mastic tape

FEATURES

- Designed for oil barrier applications in oil paper insulated MV cable joints and terminations
- Good stress control
- Temp range 90°-130°C
- Frame retardant

Part Number	Material	Colour	Size	Coil size
SCOTCH2221	Elastomeric PU mastic tape	Grey	19mm x 1.5mm	1.5m

Scotch 5313 Water Blocking Tape



Tacky solid extrusion based on a synthetic rubber

FEATURES

- High adhesive strength
- Service temperature range -29°C to 135°C
- Excellent water/weathering resistance
- Ozone resistant
- Colour - black
- Available in 20mm x 10m

Part Number	Material	Colour	Size	Coil size
SCOTCH5313	Synthetic rubber	Black	20mm	10m

Scotch Temflex 1700P Tape



Pre-printed phase pvc marking tape

FEATURES

- PVC tape, pre-printed with phase marking characters to assist with cable identification
- Suitable for a wide temperature range
- Flame retardant
- Temperature rating -10°C to +80°C

Part Number	Material	Colour	Size	Coil size
T1700PL	PVC	White	15mm x 0.77mm	10m
T1700PL1	PVC	White	15mm x 0.77mm	10m
T1700PL2	PVC	White	15mm x 0.77mm	10m
T1700PL3	PVC	White	15mm x 0.77mm	10m
T1700PN	PVC	White	15mm x 0.77mm	10m

Scotchrap 50 and 51 Tape

FEATURES

- Designed to resist corrosion of metal piping systems above and below ground.
- High electrical strength and insulating properties.
- Excellent resistance to impact abrasion, punctures and tears.
- Resistance to common chemicals, salt water, acids, alkalis and salts
- Operating temperature -48°C to +80°C
- Applicator temperature range -12°C - 65.6°C and use the degree sign



**All weather corrosion
protection tape**

Part Number	Material	Colour	Size	Coil size
SCOTCH50-25	PVC	Black	25mm x 0.254mm	30.5m
SCOTCH50-50	PVC	Black	50mm x 0.254mm	30.5m
SCOTCH50-101	PVC	Black	101mm x 0.254mm	30.5m
SCOTCH51-25	PVC	Black	25mm x 0.508mm	30.5m
SCOTCH51-50	PVC	Black	50mm x 0.508mm	30.5m
SCOTCH51-101	PVC	Black	101mm x 0.508mm	30.5m

Scotchrap Primer

FEATURES

- A rubber base primer that permeates metal surface pits and irregularities, preparing the surface for tape application
- Quick drying base primer
- Temperature rating to 80°C

Part Number	Material	Colour	Size
SCOTCHRAP	Primer	Black	1 gallon



**Corrosion protection pipe
primer**

Scotchrap 27 Tape



Glass cloth tape

FEATURES

- Applications include a heat stable insulation for furnace and oven controls, motor leads and switches
- High mechanical strength.
- Resistance to high temperatures
- Treated and prepared to provide corrosion free protection
- The adhesive is a rubber pressure-sensitive thermosetting system
- Temperature rating 130°C

Part Number	Material	Colour	Size	Coil size
SCOTCH27	Glass Cloth	White	12mm x 0.178mm	20m

Scotchrap 69 Tape



Glass cloth tape with silicone adhesive

FEATURES

- Applications include induction type furnace power supply leads for high temperature
- To be used in conjunction with 77 Tape for arc and fire proofing applications
- High mechanical strength
- Resistance to high temperatures
- The adhesive is a silicone high temperature thermosetting system
- Temperature rating 200°C

Part Number	Material	Colour	Size	Coil size
SCOTCH69-6	Glass Cloth	White	6mm x 0.177mm	33m
SCOTCH69-9	Glass Cloth	White	9mm x 0.177mm	33m
SCOTCH69-12	Glass Cloth	White	12mm x 0.177mm	33m
SCOTCH69-15	Glass Cloth	White	15mm x 0.177mm	33m
SCOTCH69-19	Glass Cloth	White	19mm x 0.177mm	33m
SCOTCH69-25	Glass Cloth	White	25mm x 0.177mm	33m
SCOTCH69-38	Glass Cloth	White	38mm x 0.177mm	33m
SCOTCH69-50	Glass Cloth	White	50mm x 0.177mm	33m

Scotchrap 2510 Tape



Cambric tape

FEATURES

- Designed for insulating joints, connections, heavy split bolts and bus bars
- The fabric is oil primed and coated with a high grade yellow electrical insulating varnish
- Flexible and moisture resistant with a smooth finish
- Excellent resistance to abrasion, puncture and cut-through
- Temperature rating 105°C

Part Number	Material	Colour	Size	Coil size
SCOTCH2510	Woven Cambric Cotton	Yellow	19mm x 7 mils	20m

Scotch 1601 and 1602 Insulation Spray

FEATURES

- Designed to provide a protective coating in electrical connections
- Hardens into a flexible and resistant film
- Excellent adhesion to most common surfaces such as metal, glass, plastic, wood
- Moisture and weatherproof and resistant to UV-rays, acids, oil and alkalis
- Available in Clear or Red

Part Number	Colour	Size
SCOTCH1601	Clear	400ml

Part Number	Colour	Size
SCOTCH1602	Red	400ml



Electrical insulation spray

Scotch 1609 Silicone Spray

FEATURES

- Designed as a general use product for protective, maintenance, protection and lubrication
- It lubricates moving parts without becoming resinous and can be used over a wide temperature range (-32°C to + 177°C)
- Neutral to paints, plastics, rubber, foamed materials, wood and fabrics

Part Number	Colour	Size
SCOTCH1609	Clear	400ml



Silicone spray

Scotch 1617 Zinc Spray

FEATURES

- Permanent protection against rust and corrosion
- Excellent adhesion to iron and steel
- Resistant to weathering, UV radiation, moisture, alkaline solutions and mineral oils
- Ideal primer for metal constructions

Part Number	Colour	Size
SCOTCH1617	Grey	400ml



Zinc spray

Scotch 1625 Electrical Contact Cleaner Spray

FEATURES

- Designed for general purpose cleaning applications
- Loosens dirt, light oxide layers and impurities of every kind in an effective gentle manner
- Electrically neutral

Part Number	Colour	Size
SCOTCH1625	Clear	400ml



Electrical contact cleaner spray

Scotch 1626 Degreasing Cleaner Spray



Degreasing cleaner spray

FEATURES

- Designed for general purpose degreasing applications
- Ideal dissolving cleaner for greases, oils, lubricants, resins and tar
- Non-corroding (except plastics)

Part Number

SCOTCH1626

Colour

Clear

Size

400ml

Scotch 1633 Rust Remover Spray



Rust remover spray

FEATURES

- It loosens rust, protects against moisture and renewed oxidation
- Forms a moisture barrier to prevent trouble before it starts
- Excellent lubrication properties

Part Number

SCOTCH1633

Colour

Clear

Size

400ml

Expertise | Across the board



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THE POWER TO DELIVER

Cable Transits

Contents

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GHM Frame

FEATURES

- GHM Frame for bolted installation with 60 x 120mm to 120 x 120mm packing space
- GHM frame is designed for installation through bolting where welding is not suitable
- Use with RM installation modules
- Mild steel with primed finish
- Additional sizes available on request



GHM Frame for bolted installation

Part Number	Frame Openings	Packing Space mm	Dimensions mm
GHM2X1	1	60 x 120	233 x 253
GHM2X2	2	60 x 120	233 x 383
GHM4X1	1	120 x 120	292 x 253
GHM4X2	2	120 x 120	292 x 383

B Frame

FEATURES

- B Frame for installation around existing services for 60 x 120mm to 120 x 120mm packing space
- The Roxtec B frame is a flanged, bolted together metal frame. Frame parts are assembled to make different sizes and combinations of openings
- Use with RM installation modules
- Galvanised mild steel



B Frame for installation

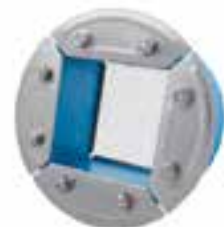
Part Number	Packing Space mm	Dimensions mm
LSZ2	60 x 120	181 x 40
LSZ4	120 x 120	240 x 40
LSZ6	180 x 120	298 x 40
LSZ8	240 x 120	358 x 40
PSZ2	60 x 120	181 x 8

Part Number	Packing Space mm	Dimensions mm
PSZ4	120 x 120	240 x 8
PSZ6	180 x 120	298 x 8
PSZ8	240 x 120	358 x 8
SSZ	120 x 120	-

R Frame

FEATURES

- R Frame for installation around existing services for 60 x 120mm to 120 x 120mm packing space
- The Roxtec R frame is a round expansion frame with a square packing space for multiple cables, pipes and modules
- Compression is integrated into the frame to enable installation around existing cables/pipes
- Available in galvanised mild steel and AISI 316 stainless steel



R Frame for installation

Part Number	Packing Space mm	Hole Diameter mm
R100	60 x 60	100-102
R125	80 x 80	125-127
R127	80 x 80	127-129

Part Number	Packing Space mm	Hole Diameter mm
R150	90 x 90	150-152
R200	120 x 120	200-202

RS Frame with Integrated Seal



RS entry seal for installation

FEATURES

- The Roxtec RS is a round entry seal with integrated compression system for use with one cable or pipe
- RS entry seal has two halves and an adaptable centre with removable layers to allow installation around existing cable or pipe
- Manufactured out of AISI 316 stainless steel
- Casting mould and sleeve accessory available

Part Number	Cable/Pipe Diameter mm	Hole Diameter mm
RS25	3.6-12.0	25.0-26.0
RS31	4.0-17.0	31.0-32.0
RS43	4.0-23.0	43.0-45.0
RS50	8.0-30.0	50.0-52.0

Part Number	Cable/Pipe Diameter mm	Hole Diameter mm
RS68	26.0-48.0	68.0-70.0
RS75	24.0-54.0	75.0-77.0
RS100	48.0-70.0	100.0-102.0
RS125	66.0-98.0	125.0-127.0

RM Modules - With Core



Adaptable RM sealing modules

FEATURES

- Adaptable RM sealing modules for use with frames.
- Multidiameter™ technology based on removable layers for perfect adaptation to a cable or pipe
- Made from Roxylon™ rubber
- When used with a solid core, the module functions as a spare module for future capacity

Part Number	Cable/Pipe Dia mm	External Diameter mm
RM15	3.0-11.0	15 x 15
RM20	4.0-14.5	20 x 20
RM30	10.0-25.0	30 x 30

Part Number	Cable/Pipe Dia mm	External Diameter mm
RM40	21.5-34.5	40 x 40
RM60	28.0-54.00	60 x 60

Wedge Kits



Compression units

FEATURES

- The Roxtec Wedge is a highly efficient compression unit, which saves valuable installation time when it comes to installation and re-installation of the Roxtec sealing system
- The unit is compressed and decompressed by turning the screws in the front
- The Wedge kit includes one Roxtec Wedge 60 or 120, five stayplates, one Wedge Clip, one lubricant and installation instructions
- Available in galvanised or AISI 316 stainless steel

Part Number	External Diameter (W x H) mm
WK60	60 x 48

Part Number	External Diameter (W x H) mm
WK120	120 x 48

Filoform Sealing System - MDIII

FEATURES

- Designed to be used where conduit or ducts are tightly positioned against each other
- Seals against water and gas
- Seal is created using circular foam and expanding polyurethane resin
- Quick and easy to install
- Holds many utility approvals, speak to your local branch for details



Part Number	Maximum Duct Diameter (mm)	Maximum Cable Diameter in the Duct (mm)
MDIII-25	MAX Ø 25	MAX Ø 8
MDIII-50	MAX Ø 50	MAX Ø 20
MDIII-75	MAX Ø 75	MAX Ø 40
MDIII-110	MAX Ø 110	MAX Ø 80

Part Number	Maximum Duct Diameter (mm)	Maximum Cable Diameter in the Duct (mm)
MDIII-160	MAX Ø 160	MAX Ø 130
MDIII-200	MAX Ø 200	MAX Ø 160
MDIII-250	MAX Ø 250	MAX Ø 220



Filoform Sealing System - Filoseal+

FEATURES

- Re-enterable system allowing new services to be added after installation
- Resistant against water, alkaline and chemical agents
- Resistant to hydrogen sulphide/methane and many other gases
- Non-corrosive
- Complies to ATEX regulations
- Unique design with a tri-flexible foam making positioning cables very simple



Part Number	Maximum Duct Diameter (mm)	Maximum Cable Diameter in the Duct (mm)
FILOSEAL+125MM	MAX Ø 125	MAX Ø 95

Part Number	Maximum Duct Diameter (mm)	Maximum Cable Diameter in the Duct (mm)
FILOSEAL+200MM	MAX Ø 200	MAX Ø 160



Filoseal+HD Re-enterable Duct Sealing System



FEATURES

- Up to 2 bar Pressure Resistance
- 100Kg pulling Force on the cables when sealed
- 10xd at 45°, with 1 bar pressure bending test
- Strong hexagonal support system for heavy cables
- Resistant against Water, Alkaline, Chemical agents
- Resistant to Hydrogen Sulphide / Methane and many other Gases



Part Number	Description	Maximum duct diameter (mm)
280010	Filoseal+HD - 75mm > 110mm	Ø 110 max.
280020	Filoseal+HD - 125mm > 160mm	Ø 160 max.
280030	Filoseal+HD - 180mm	Ø 180 max.

Part Number	Description	Maximum duct diameter (mm)
280040	Filoseal+HD - 200mm	Ø 200 max.
280050	Filoseal+HD - 225mm	Ø 225 max.
280060	Filoseal+HD - 250mm	Ø 250 max.

Filoseal+HD FIRE Re-enterable Duct Sealing System



FEATURES

- Up to 4 hours fire resistance in transit frames (single side)
- Up to 4 hours fire resistance in ducts
- Tested to BS EN1366-3 2009
- Upto 2 bar Pressure Resistance
- 100Kg pulling Force on the cables when sealed
- 10xd at 45°, with 1 bar pressure bending test

Part Number	Description	Maximum duct diameter (mm)
280070	Filoseal+HD FIRE 75 > 110mm	110mm
280080	Filoseal+HD FIRE 125 > 160mm	160mm
280070	Filoseal+HD FIRE 180mm	180mm

Part Number	Description	Maximum duct diameter (mm)
280080	Filoseal+HD FIRE 200mm	200mm
280070	Filoseal+HD FIRE 225mm	225mm
280080	Filoseal+HD FIRE 250mm	250mm



RDSS Inflatable Duct Seal

FEATURES

- RDSS Rayplate inflatable duct seal for 32.5 to 180.0mm ducts
- The Rayplate seal consists of an inflatable bladder with a sealing strip which is fitted around the power cable in a duct and inflated to create a watertight seal
- Ideal for both new and existing installations
- Extremely versatile and will adapt to most configurations independent of duct ovality
- Used in conjunction with an inflation tool and gas cylinder
- Please contact sales to confirm which products are suitable for empty ducts



RDSS Rayplate inflatable duct seal

Part Number	Duct Inside Diameter mm	Cable Diameter mm
RDSS-45	32.5-45.0	0-32.0
RDSS-60	45.0-60.0	0-45.0
RDSS-75	55.0-75.0	0-56.0

Part Number	Duct Inside Diameter mm	Cable Diameter mm
RDSS-100	75.0-120.0	0-100.0
RDSS-125	100.0-150.0	0-130.0
RDSS-150	125.0-180.0	60-160.0

Adaptor Seal

FEATURES

- To seal ducts up to 210mm this adaptor is used in conjunction with the Rayplate duct sealing system

Part Number	Duct Size mm
RDSS-AD-210	150-210



Adaptor seal for larger sizes of duct

RDSS Sealing Clip

FEATURES

- The sealing clip is used when three or more cables have to be sealed in the same duct
- Designed to be used in conjunction with inflatable duct seal

Part Number	Use with
RDSS-CLIP-45	RDSS-45
RDSS-CLIP-75	RDSS-60 & RDSS-75
RDSS-CLIP-100	RDSS-100
RDSS-CLIP-125	RDSS-125

Part Number	Use with
RDSS-CLIP-150	RDSS-150

Please note RDSS Clips must be installed with 2 cable configurations when larger cables are installed



RDSS sealing clip for use with multiple cables

Inflation Tool & Gas Cylinders

FEATURES

- Designed to inflate the RDSS Rayplate seals

Part Number	Description
RDSS-IT-16	Inflation Tool

Part Number	Description
E7512-0160	Gas Cylinders (Box of 10)



Inflation tool and gas cylinders



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Rail | Cable troughing

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THE POWER TO DELIVER

Cable Troughing

Contents

Lightweight Cable Trough **204**



TroTrof

FEATURES

- Lightweight cable trough weighing just 18kgs
- Has full Network Rail PADS approval, Certificate Number PA05/02512
- Both lid and base interact with concrete making it ideal for upgrade projects
- Over four times faster to install than the concrete alternative
- Complies with HSE manual handling guidelines
- Environmentally friendly made from recycled polymers.
- Dimensions C1/9
- Anti-Vandal/Anti-Theft features



Part Number	Length	Width	Height	Weight
TROTROF	1000mm	281mm	206mm	18kg

Transportation Comparison

	TroTrof	Concrete Trough
Units/Pallets	20	42 lids/pallet 24 bases/pallet
Transport for 960 units	1 truck	4.4 trucks
Transport for 10,000 units	11 trucks	44 trucks

Health & Safety Comparison

	TroTrof	Concrete Trough
Lifting	One man lift	Two men lift
Cutting	Standard tools	Petrol disc cutter
Dust/Noise	No	Yes
Finish	Smooth	Abrasive
Carbon Footprint	Medium	High
Recyclable	Yes	No

TroTred

FEATURES

- Made up of 5 components, 44kg in total (max component weight 12kg)
- Has full network rail PADS approval, Certificate Number PA05/04103
- Doubles up as a walkway eliminating need for additional paths.
- Self-extinguishing and complies with Network Rail specifications
- Over four times faster to install than the concrete alternative
- Complies with HSE manual handling guidelines
- Environmentally friendly made from recycled polymers
- Anti-Vandal/Anti-Theft features



Part Number	Length	Width	Height	Weight
TROTRED	1000mm	736mm	385mm	44kg

Transportation Comparison

	TroTrof	Concrete Trough
Units/Pallets	4 complete units	9 bases 15 lids
Transport for 1,000 units	5 trucks	10 trucks
Transport for 10,000 units	50 trucks	100 trucks

Health & Safety Comparison

	TroTrof	Concrete Trough
Lifting	Two man lift	4 men/base 3 men/lid
Cutting	Standard tools	Petrol disc cutter
Dust/Noise	No	Yes
Finish	Smooth	Abrasive
Carbon Footprint	Medium	High
Recyclable	Yes	No

Tools and Equipment

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Hydraulic Hand Crimper 10-400mm²

FEATURES

- Self contained, robust and sturdy while remaining lightweight
- Features a double speed action with rapid approach and slower more powerful speed for crimping
- 180° rotation for ease of operation and comfort for operator
- Built in safety valve will bypass the oil supply when maximum pressure is reached
- Accepts ME-C hex dies and MA-C and PA-C nest and indent
- Complete with carry case for tool and dies



Hydraulic crimping tools

Part Number	Die Range	Conductor Size
HT131	ME-C	10-400mm ²

Hydraulic Hand Crimper 10-150mm²

FEATURES

- Self contained, robust and sturdy while remaining lightweight
- Features a double speed action with rapid approach and slower more powerful speed for crimping
- 180° rotation for ease of operation and comfort for operator
- Built in safety valve will bypass the oil supply when maximum pressure is reached
- Accepts ME hex dies and MA and PA nest and indent
- Complete with carry case for tool and dies



Hydraulic crimping tools

Part Number	Die Range	Conductor Size
HT45-E	ME	10-150mm ²

Hand Hydraulic Hand Crimper 10-240mm²

FEATURES

- Self contained, robust and sturdy while remaining lightweight
- Features a double speed action with rapid approach and slower more powerful speed for crimping
- 180° rotation for ease of operation and comfort for operator
- Built in safety valve will bypass the oil supply when maximum pressure is reached
- Accepts ME-50 hex dies and MA-50 and PA-50 nest and indent
- Complete with carry case for tool and dies



Hydraulic crimping tools

Part Number	Die Range	Conductor Size
HT51	ME-50	10-240mm ²

Hydraulic Battery Crimper 10-240mm²



FEATURES

- B500 is the first of a new generation of hand-held cordless tools heralding a significantly advantageous evolution from current models
- Equipped with Li-Ion 18V 4 Ah battery offering greater capacity than the previous 14.4V Ah version
- Suitable for crimping conductors up to and including 240mm²
- Complete with LED light for darker working areas
- Faster compression and greater crimping force result from new two-speed hydraulic system
- Fitted with a maximum pressure sensor for enhanced precision and repeatability
- New OLED display provides essential real time data including force generated, battery life and number of work cycles left before maintenance
- 180° head rotation
- Consists of 2 x batteries, battery charger, shoulder strap and carry case

Part Number	Die Range	Conductor Size
B500	ME-50	10-240mm ²

Hydraulic Battery Crimper 10-400mm²



FEATURES

- Born of the renowned B135-C crimping tool, first into the market is the 132kN B1350-CE, suitable for a wide range of connectors up to 400mm² using the die sets common to the Cembre 130kN tooling range
- Equipped with Li-Ion 18V 4 Ah battery offering greater capacity than the previous 14.4V Ah version
- Faster compression and greater crimping force result from new two-speed hydraulic system
- Fitted with a maximum pressure sensor for enhanced precision and repeatability
- New OLED display provides essential real time data including force generated, battery life and number of work cycles left before maintenance
- Complete with LED light for darker working areas
- 180° head rotation
- Consists of 2 x batteries, battery charger, shoulder strap and carry case

Part Number	Die Range	Conductor Size
B1350-CE	ME-C	10-400mm ²

Hydraulic Press Head 10-400mm²

FEATURES

- Hydraulic press head complete with quick release coupling to connect head to pump with max operating pressure of 700 bar
- Lightweight at only 3.8kg
- Compatible with a range of dies that accept Cu/Al lugs/splices and C tap connectors at LV and HV voltages
- Head compatible with both PO7000/B70-P24 and EP10 electric pump



RHC 131 type hydraulic press head for 10-400mm² cables

Part Number	Die Range	Conductor Size
RHC131	ME-C	10-400mm ²

Hydraulic Press Head 400-630mm²

FEATURES

- Hydraulic press head complete with quick release coupling to connect head to pump with max operating pressure of 700 bar
- Lightweight at only 5.5kg
- Adaptor type AU230-130D is available as an optional extra enabling the head to utilise smaller ME-C, MA-C and PA-C dies
- Head compatible with both PO7000/B70-P24 and EP10 electric pump



ECW-H3D type hydraulic press head for 400-630mm² cables

Part Number	Die Range	Conductor Size
ECW-H3D	ME-3D	400-630mm ²

Hydraulic Press Head 400-1000mm²

FEATURES

- Hydraulic press head complete with quick release coupling to connect head to pump with max operating pressure of 700 bar
- Weight is 18kg
- Complete with two handles on either side of the head for ease of use
- Adaptor type AU520-130C is available as an optional extra enabling the head to utilise smaller ME-C, MA-C and PA-C dies
- Head compatible with both PO7000/B70-P24 and EP10 electric pump



RHU-520 type hydraulic press head for 400-1000mm² cables

Part Number	Die Range	Conductor Size
RHU-520	ME-520	400-1000mm ²

Electric Pump



Foot and electric hydraulic pumps

FEATURES

- Electrically driven hydraulic pump, powered by 110V/50-60hz single phase electric motor
- Piston type high pressure pump supercharged by a low pressure pump
- Extremely durable yet lightweight and operates under low-line voltage conditions
- Comes complete with a remote hand controller with 10 foot cord
- Operates up to 10000PSI

Part Number	Description
EP10 ELECTRIC PUMP	110 Volt

Foot Pump



PO-7000 hydraulic pump

FEATURES

- Foot operated hydraulic pump developing a maximum of 700 bar of pressure
- Mounted on a solid shaped stand giving the pump stability during operation
- Complete with a 3m high pressure hose with female quick release coupler
- Lightweight at only 9.8kg
- Complete in plastic hard wearing carry case

Part Number	Description
PO 7000	Foot Pump

Electro-Hydraulic Pump (battery)



B70M-P24 lightweight pump

FEATURES

- Operating at 24v dc by battery for independent use and developing 700 bar pressure
- Complete with 3m hose and quick couplers, remote control, shoulder strap, external battery charger and canvas holdall for carrying accessories
- Also available in an insulated version - contact our sales team for more info

Part Number	Description
B70M-P24	Hydraulic Electric Pump
TRS-B70	Canvas Rucksack For B70m-P24
SPARE BATTERY	For The B70m-P24

Hydraulic Battery Cutter 50mm Max

FEATURES

- B-TC500E is the next generation of Cembre cordless hydraulic tools and features significant advantages over current models
- Has a NEW Li-Ion 18V 4 Ah battery offering higher capacity than 14.4 V 3 Ah
- High strength steel blades are heat treated to ensure long lifespan
- Suitable for copper and aluminium cable having a max diameter of 50mm
- The head can rotate 180 degree to enable the operator to work in the most comfortable position
- B-TC500E comes with a fitted LED light for a safer working area
- Maximum pressure sensor and pressure relief valve assures precision and repeatability
- The new generation of tooling boasts a OLED display which provides real time information including crimping force, battery life, life cycle with service intervals.
- Comes complete with shoulder strap, spare battery, charger and carry case



Part Number	Maximum Cutting Diameter	Weight
B-TC500E	50mm	5.8kg

Hydraulic Battery Cutter 65mm Max

FEATURES

- B-TC650-SCE is the next generation of Cembre cordless hydraulic tools with significant advantages over current models
- Features NEW Li-Ion 18V 4 Ah battery offering higher capacity than 14.4 V 3 Ah
- High strength steel blades are heat treated to ensure long lifespan
- Suitable for copper and aluminium cable having a max diameter of 65mm
- The head can rotate 180 degree to enable the operator to work in the most comfortable position
- B-TC650-SCE comes with a fitted LED light for a safer working area
- A maximum pressure sensor and pressure relief valve assures precision and repeatability
- The new generation of tooling boasts an OLED display which provides real time information including crimping force, battery life, life cycle with service intervals
- Comes complete with shoulder strap, spare battery, charger and carry case



Part Number	Maximum Cutting Diameter	Weight
B-TC650E	65mm	6.4kg

Hand Held Cutting Tools



FEATURES

- Hydraulic hand tools designed to cut both copper and aluminium cables
- Fast advance speed for rapid approach of the blades to the cable and a slower more powerful speed for cutting
- Blades are manufactured from high strength special steel, heat treated for longer service life
- Heads can be easily opened to allow cutting of running cables
- HT-TC051 can rotate the head 90° with the HT-TC0851 being able to complete 180° of rotation
- Both tools have a bypass oil safety valve for when tools are at maximum pressure
- HT-TC051 comes complete in a carry bag with the HT-TH0851 coming in a carry case

Part Number	Maximum Cutting Diameter	Weight
HT-TC026	25mm	3.2kg
HT-TC051	50mm	4.4kg

Part Number	Maximum Cutting Diameter	Weight
HT-TC0851	85mm	6.6kg

Hand Held Cutting Tools



FEATURES

- Hydraulic cutting heads designed to cut both copper and aluminium cables
- Fast advance speed for rapid approach of the blades to the cable and a slower more powerful speed for cutting
- Blades are manufactured from high strength special steel, heat treated for longer service life
- Heads can be easily opened to allow cutting of running cables
- Working pressure of all cutting heads are 700Bar Max
- All complete with a quick release male coupling for connection to hydraulic pump
- All complete with a handle which allows the most comfortable positioning of the head onto the cable

Part Number	Maximum Cutting Diameter	Weight
TC096	95mm	7.9kg
TC085	85mm	4.9kg

Part Number	Maximum Cutting Diameter	Weight
TC120	120mm	9.5kg

Cembre Dies

ORDERING

■ To ensure the correct dies are selected please contact our sales team

Tool Type	Part Number	Conductor size range mm ²	Conductor	Number of dies in range	Die Type
LV Dies For "G Type 131 Heads"	MA-C	10-300	Copper	12	Nest
LV Dies For "G Type 131 Heads"	PA-C	10-300	Copper	4	Indentor
LV Dies For "G Type 131 Heads"	ME-C	10-400	Copper	13	Hexagonal
LV Dies For "Ecw-3D Head"	MA-3D	400-630	Copper	3	Nest
	PA-3D	400-630	Copper	2	Indentor
	ME-3D	400-630	Copper	3	Hexagonal
	AU230-130D		Copper	1	Adaptor Die For "G Type 131 Head"
LV Dies For "Rhu-520 Head"	MA-520	400-1000	Copper	5	Nest
	PA-520	400-1000	Copper	2	Indentor
	MK-520	400-1000	Copper	5	Hexagonal
	AU520-130C		Copper	1	Adaptor Die For "G Type 131 Head"
HV Dies For "G Type 131 Heads"	ME-C	10-400	Copper	13	Hexagonal
HV Dies For "Ecw-3D Head"	ME-3D	400-630	Copper	3	Hexagonal
HV Dies For "Rhu-520 Head"	MK-520	400-1000	Copper	5	

Cembre LV & HV Copper Terminals

Conduc- tor Size (mm ²)	Terminals			Tool				
Stranded	Cembre LV Lugs	Cembre LV Splices	Cembre HV Lugs	HT45E / B35-45	HT50 / B51 / RH50	HT131 / B135	ECW-H3D	RHU-520
0.25-2.5	A03-M-A06-M	L03-M-L06-M						
4-6	A1-M	L1-M		ME1	ME1-50			
10	A2-M	L2-M		ME2	ME2-50	Me2-c	AU230-130D + ME2-C	Au520-130C + Me2-C
16	A3-M	L3-M	2A3-M	ME3	ME3-50	Me3-c	AU230-130D + ME3-C	Au520-130C + Me3-C
25	A5-M	L5-M	2A5-M	ME5	ME5-50	Me5-c	AU230-130D + ME5-C	Au520-130C + Me5-C
35	A7-M	L7-M	2A7-M	ME7	ME7-50	Me7-c	AU230-130D + ME7-C	Au520-130C + Me7-C
50	A10-M	L10-M	2A10-M	ME10	ME10-50	Me10-c	AU230-130D + ME10-C	Au520-130C + Me10-C
70	A14-M	L14-M	2A14-M	ME14	ME14-50	Me14-c	AU230-130D + ME14-C	Au520-130C + Me14-C
95	A19-M	L19-M	2A19-M	ME19	ME19-50	Me19-c	AU230-130D + ME19-C	Au520-130C + Me19-C
120	A24-M	L24-M	2A24-M	ME24	ME24-50	Me24-c	AU230-130D + ME24-C	Au520-130C + Me24-C
150	A30-M	L30-M	2A30-M	ME30	ME30-50	Me30-c	AU230-130D + ME30-C	Au520-130C + Me30-C
185	A37-M	L37-M	2A37-M		ME37-50	Me37-c	AU230-130D + ME37-C	Au520-130C + Me37-C
240	A48-M	L48-M	2A48-M		ME48-50	Me48-c	AU230-130D + ME48-C	Au520-130C + Me48-C
300	A60-M	L60-M	2A60-M			Me60-c	AU230-130D + ME60-C	Au520-130C + Me60-C
400	A80-M	L80-M	2A80-M			Me80-c	ME80-3D	Me80-520
500	A100-M	L100-M	2A100-M				ME100-3D	Me100-520
630	A120-M	L120-M	2A120-M				ME120-3D	Me120-520
800	A160-M	L160-M	2A160-M					Me160-520
1000	A200-M	L200-M	2A200-M					Me200-520

ORDERING

- Aluminium dies also available
- Circumferential and Hex DIN dies also available

Cordless Hydraulic Puller-Type Hole Punching Tool B-FL750E



FEATURES

- Cordless hydraulic tool, for hole punching stainless steel, soft metal, fibreglass and plastic sheet up to 3.5mm thick
- The balanced punching head pivots 180° through a full 360° rotation
- OLED display provides essential real time information including crimp force, battery life and service schedule
- Tool comes complete with shoulder strap, spare battery, charger, TD-11 & TD-19 puller, spiral bit and carrying case

Part Number	Hole Punch Size	Weight
B-FL750E	15.5mm-120mm ²	5.1kg

HT-FL75



FEATURES

- Hand operated hydraulic tool designed for hole punching stainless steel, soft metal, fibreglass and plastic sheet upto 3.5mm thick
- Compact, lightweight and easy to handle
- Tool comes complete with plastic carry case, TD11 and TD19 pullers and an 11.5mm spiral bit

Part Number	Hole Punch Size	Weight
HT-FL75	15.5mm-120mm ²	3.7kg

RH-FL75



FEATURES

- Hydraulic head designed for hole punching stainless steel, soft metal, fibreglass and plastic sheet up to 3.5mm thick
- Compact, lightweight and easy to handle
- Quick release coupler for connection to hydraulic pump
- Tools comes complete with TD11 and TD19 pullers and an 11.4mm spiral bit

Part Number	Hole Punch Size	Weight
RH-FL75	15.5mm-120mm ²	1.9kg

For more details on hole punch dies please contact your nearest branch.

Cable Stripping Tools

FEATURES

- Tools for cable stripping low and medium voltage cables

Part Number	Description
CERAMIC KNIFE	Utility knife with non-conductive ceramic blade
EXRM-0607	Wooden Handled Cable Stripping Knife
EXRM-0947	Hook Knife For Outersheath Stripping
120-CS	Insulated Hack Knife
EXRM-1004	Paper Cable Insulation Stripping Pliers
CABLE KNIFE	Utility knife complete with Stanley blade and cover



A selection of cable stripping tools

Universal Plastic Sheath Stripper

FEATURES

- Single hand operation
- Complete with two depth fittings

Part Number

KMS

KMS BLADE



Outer sheath removal tool

Diameter Tape

FEATURES

- Used to confirm the diameter for cables and cable insulations

Part Number

IT-1000-010

Description

Jointer's diameter measuring tape



Diameter tape

Hand Cutting Tools



Hand tools for cable core cutting up to 500mm²

FEATURES

- Long handles for easy cutting
- Used for unarmoured cables and cutting of conductors and screen wires
- Please refer to hydraulic section for cutting of armoured cables

Part Number	Conductor Size
5116660250	6-250mm ²
5116660500	6-500mm ²

Roller Chain Tongs



Armour wire removal tool

FEATURES

- For the removal of the steel wire or aluminium wire armour of power cables
- Adjustable to suit armour diameters up to 76mm

Part Number	Over Armour Diameter
RCT155	20 - 76mm
RCT SPARE CHAIN	-

RC52 Ratchet Cutting Tool



Ratchet cutting tools for cables

FEATURES

- Designed for use on copper and aluminium conductors
- High quality steel ratchet mechanism for optimised mechanical advantage
- Moveable blades can be easily released
- Not for use on armoured cables
- See hydraulic section for cutting of armoured cables

Part Number	Cutting Range
RC-52	Up to 52mm
KT-4	Up to 52mm

HP3 Ratchet Crimp Tool



HP3 Ratchet Crimp Tool

FEATURES

- Compact, easy to use manual tool
- Treated steel crimp jaws with high mechanical properties
- Factory set ratchet for crimping control (automatic handle opening upon completion of crimping operation)
- Emergency release lever which, if necessary, opens the crimp jaws before their complete closure
- Ergonomically designed non-slip moulded plastic grips

Part Number	Size
HP3	0.5 - 6mm

Outer Sheath Strippers

FEATURES

- Can also be used for removal of primary insulation and lead alloy sheaths
- For circular and longitudinal cuts
- Fully insulated stripper available (PG3-EC)

Part Number	Sheath Diameter
PG2-HTA	21-35mm
PG3-HTA	26-51mm
PG3-EC	26-51mm

Part Number	Sheath Diameter
PG4-HTA	47-75mm
PG5-HTB	65-95mm
PG6-HTB	80-125mm



Outer sheath removal tool

Peelable Semi-Conductive Screen Stripper

FEATURES

- The LHM tools allow simple and easy removal of peelable semi-conductor
- The tool works by creating a precise spiral incision with an offset circular blade on the semi-conductor which allows it to be neatly unwrapped
- The remaining length of exposed semi-con can be set depending on the tool used

Part Number	Diameter over Screen
LHM1R30/45	14-40mm
LHM2R30/60	38-60mm



For use on easy peel cable screens

Pre-set Scoring Tool

FEATURES

- Two different tools for use at either 11 or 33kV
- Pre-set blade depth allows easy scoring and screen removal

Part Number	Diameter	Use with
TT2352/1	0.4mm	For 11kV
TT2352/2	0.6mm	For 33kV



For use on easy peel cable conductive screens

Bonded Screen Removal Tool

FEATURES

- This tool enables the user to remove and chamfer the bonded semiconductor in a clean and swift manner without the use of silicon
- The blade is adjustable from 0.4mm to 1.4mm with "clicking knob" (0.1mm for each click)
- The angle of the chamfer is 8°
- Tool will accommodate insulation

Part Number	Diameter over Screen
CWB18-60	18-60mm



For removal and chamfer of bonded screen

Bonded Screen Removal Tool



Designed to remove the cable's bonded screen

FEATURES

- Removes bonded semi conductive screens from XLPE cables
- Depth adjustment from 0-1.5mm
- Application range over semi conductive screen is between 0-52mm O/D
- Stripping can be done starting at any position on the cable
- Advised to be used on Vulcanized, extruded and bonded semi conductive screens

Part Number	Insulation Diameter	Depth of Cut
BSR700	10-52mm	0-1.5mm
BSR700 SPARE BLADE	-	-

Adjustable Insulation Tapering Tool



Provides a chamfered finish at the screen removal points

FEATURES

- LHA tool tapers the end of XLPE insulation and allows a better penetration of pre-moulded joints

Part Number	To make a Chamfer
LHA	14 - 40mm
LHA2	38-60mm
LHA3	60-80mm

Screen and Insulation Removal Tool HVIA Stripper 35/90



FEATURES

- Stripping tool for extruded and bonded cable screens and primary insulation for cable diameter from 35-90mm or 75-150mm
- For use on medium and high voltage cables
- Adjustable to cable diameter via the red twist handle
- Tool is supplied with blades packed separately in the case
- Advised to apply a thin layer of silicone lubricant to screen for easy movement

Part Number	Cable Diameter
HVIA-STRIPPER 35-90	35-90mm
HVIA-STRIPPER 75-150	75-150mm

Toolout Hire

FEATURES

- Jointing Technologies have the largest hire fleet of crimping and cutting tools in the country
- All available on a next working day delivery (on orders placed before 4pm)
- All tools are calibrated and checked prior to dispatch to ensure they are in full working order

Hydraulic Crimping



FEATURES

- Also available in hand tool version
- Dies available 10-1000mm² copper/aluminium LV/HV
- Please state cable type and size

Hydraulic Cutting



FEATURES

- Also available in hand tool version
- TC120 cutting head - max cutting diameter of 120mm
- HT-TC085 cutting hand tool - max cutting diameter of 85mm

Battery Crimping



FEATURES

- Dies available 10-1000mm² copper/aluminium LV/HV
- Please state cable type and size

Battery Cutting



FEATURES

- TC120 cutting head - max cutting diameter of 120mm

Hydraulic Crimp & Cut



FEATURES

- Dies available 10-1000mm² copper/aluminium LV/HV
- TC120 cutting head - max cutting diameter of 120mm
- Please state cable type and size

Battery Crimp & Cut



FEATURES

- Dies available 10-1000mm² copper/aluminium LV/HV
- TC120 cutting head - max cutting diameter of 120mm
- Please state cable type and size

FEATURES

- Long term hire deals available - Please contact our sales department for further information
- All hire prices include die sets - to ensure the correct sizes are supplied please advise at time of order
- Dies are available for copper and aluminium cables, C-taps and elbow contacts

Cable Spiking Tool

FEATURES

- Used for spiking power cables prior to jointing, terminating or repair



Pfisterer Tool

FEATURES

- Standard size 1, 2, 3 tool
- Larger sizes 4-5S and 6 also available on request



Cable Jack & Spindle



FEATURES

- Both 3 or 6 ton versions available
- Due to size and weight additional carriage may apply on this item. Contact your local sales office for more information

TDUX Duct Seal Inflation Tool



FEATURES

- Complete with pressure gauge to ensure correct installation
- Please order gas separately - see page 200

Tool Repair & Calibration

FEATURES

- Cembre and Prysmian approved repairer
- Calibration certificates supplied
- Estimates provided prior to works
- Reconditioned tools available
- All tools must be calibrated after each hire to comply with BS7671 (UK Wiring Regulations)



Pfisterer Tool

FEATURES

- Tools comprises of the following
 - Carry case
 - Compression head size 1,2,3 including pull off head
 - Impact device 1,2,3 for preassembly of connector contacts
 - Hydraulic 60816 Compression tool
 - Chain for suspension of assembly lever and hole bar
 - T-handle screw driver SW6
 - Assembly lever for pressing and releasing the bell housing
- For installation of Connex connectors size 1, 2 and 3. For sizes 4, 5 and 6 - please contact our sales team



Connex installation tool

Part Number

PFISTERER TOOL

Description

For size 1, 2, 3

Spiking Tool

FEATURES

- The Bowthorpe Cable Spiker is intended to prove that a selected cable, previously disconnected, is in fact dead before site work commences
- Silent in operation and of a robust and rigid construction
- The kit comprises a hand operated hydraulic pump connected by a fully insulated hose to a hydraulic ram which carries the diamond shaped chisel cable spiker
- All component parts are supplied in a stout wooden carrying case
- Ram is mounted on a shaped tubular steel body which is located and held around the cable up to 102mm diameter
- An independent earth cable 6m x 50mm² with suitable connecting lugs are also supplied
- **WARNING:**
This spiker must not be used without an earth cable connected and properly earthed as failure to do so could have serious consequences for the operator in the event of a live cable being pierced



Cable spiker kit

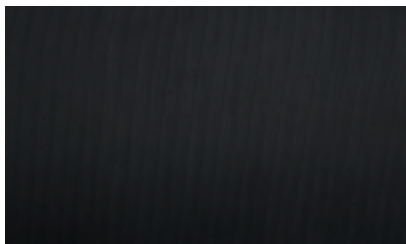
Part Number

SG1

Description

Up to 102mm cable diameter

Rubber Switchgear Matting



FEATURES

- Maximum coil size is 10 metres
- Can be cut to specific length - price always rounded up to next complete metre

Part Number	Thickness	Tested to	Working Voltage
LVRM6	6mm	15,000 volts	450 volts
LVRM9	9mm	15,000 volts	650 volts
HVRM	4mm	50,000 volts	11,000 volts

Insulating Gloves



FEATURES

- Fully insulating gloves each test stamped for working voltages ranging from 500V-36000V
- Manufactured to EN60903
- Available in four sizes
- Gloves are tested by inflation and visual inspection carried out by a pneumatic glove tester

Part Number	Voltage Class	Size
0583	00	8, 9, 10, 11
0584	0	8, 9, 10, 11
0585	1	8, 9, 10, 11
0586	2	8, 9, 10, 11
0587	3	8, 9, 10, 11
0588	4	8, 9, 10, 11

Leather Outer Gloves



FEATURES

- Fully insulated gloves each test stamped for working voltages ranging from 500V to 36000V
- Worn over the insulating gloves to protect against mechanical hazards and electrical arcing
- Available in sizes 8-12

Part Number	Size
058L	8 - 12

Dielectric Boots

FEATURES

- Dielectric boots in various sizes from 6 to 13
- Certified protection against electric shock
- Oil and chemical resistant sole
- Conforms to EN345-1.SB and EN50321 Class 0
- Overall boot tested to 20kV



Dielectric Boots

Part Number	Size
871906/40	6
871907/41	7
871908/42	8
871909/43	9

Part Number	Size
871909/44	10
871911/45	11
871911/46	12
871911/47	13

Safety Hook

FEATURES

- Safety rescue hook used for retrieval of victims of electric shock
- Rated for systems up to 60kV
- Safeguards the life of the first aider
- Should be placed in a prominent and easily accessible position near to the live site



Safety Hooks

Part Number	Voltage Class	Size (Length)
509049	Up to 60kV	1950mm
509048	Up to 1kV	1000mm

Safety Rescue Hook Station

FEATURES

- The hook station offer a safe storage place for the rescue hook
- Detailed on the hook station are basic life support checks and techniques for the first aider to administer prior to paramedics arriving
- Hook station and hook should be in a prominent and easily accessible position near to the live site
- Hook not included



Safety Rescue Hook Station

Part Number	Voltage Class	Size (Length)
509050	1kV	580 x 450
509051	60kV	580 x 805

Gas Torch Kit complete with Burner, Hose and Handle



Gas torch kit

FEATURES

- Kit designed specifically for jointers
- Two different burners for the complete range of heat shrinking applications
- Please note all items, including cut-to-length hose, can be bought separately

Part Number Kit Contents

TOL/GTK	Complete safety handle, soft flame burner, 4m hose with all end fittings attached, carry case and regulator
----------------	---

Handle for Gas Torches



Gas torch handle

FEATURES

- Piezo ignition with instant trigger on/off function
- Bayonet fitting for burners
- Valve for precise flame setting
- Hose connection BSP 3/8" LH

Part Number

Working Pressure Bar

H3366	1.5-4
--------------	-------

Hot Air and Soft Flame Burners



Hot air burners

FEATURES

- Hot-air burners with powerful windproof hot-air streams for heat shrinking
- 3349 ideal for shrinking in confined spaces and fibre optic closures
- 3359 is an extra small hot-air burner incorporating a heat reflector, ideal for signal systems, traffic lights, alarm systems, marine applications, automobiles and other vehicle repairs
- Work pressure - 2 bar
- Soft flame design ideal for cable work and other heat shrinking applications
- Soft flame burners with sweeping, powerful yellow and blue soot-free windproof flames

Part Number	Type	Burner Diameter
HAB32-15 (3349)	Hot Air Burner	32x15mm
HAB 25 (3359)	Hot Air Burner	25mm
SFB28 (334791)	Soft Flame Burner	28mm

Part Number	Type	Burner Diameter
SFB38 (334191)	Soft Flame Burner	38mm
SFB50 (334891)	Soft Flame Burner	50mm

Regulator for Gas Torches



Gas torch regulator

FEATURES

- Suitable for use with the H3366 handle
- Hose connection bsp 3/8" lh

Part Number

Working Pressure Bar

3091-21	2
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Light and Heavy Duty Applications

FEATURES

- C001 tool is for light and heavy duty band and buckle products
- Tensions up to 2400lbs - for use on band up to 3/4"
- C007 tool is for light duty coated or uncoated band and bandfast clamps
- Hand ratchet mechanism

Part Number

C001 TOOL

C075 TOOL - BANTAM



Cable Tie Tensioning Tool

FEATURES

- AE200 tensions all re-useable Band-it ties
- AE201 hook tool tensions all re-usable and multilock ties

Part Number

AE200 TOOL

AE201 TOOL



Hand tension tool

Cable Tie Tensioner with Auto Cut Mechanism

FEATURES

- M503 tool - adjustable/variable tension prevents over tensioning of Multi-lok ties
- Can be used on both coated and uncoated Multi-lok ties
- K502 tool - adjustable/variable tension prevents over tensioning of Ball-lok ties
- Can be used on both coated and uncoated Ball-lok ties
- KE922 manual tool for use with multi-lok and Ball-lok ties
- Automatic cut off
- Weight 0.43kg

Part Number

M503 TOOL

K502 TOOL



For use with Band-it coated and uncoated Multi-lock ties

Cable Tie Tensioner and Cutter

FEATURES

- Variable/adjustable tension prevents over tensioning of ties
- Can be used on both coated and uncoated Ball-Lok ties
- Can be used on both coated and uncoated ties

Part Number

KE9229



For use with Band-it Multi-lok and Ball-lok ties

Cable Data

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Cable Gland & Cleat Selector

For XLPE/SWA/PVC and LSF 600/1000 Volt Power Cables

CABLE SPEC		CLEATS				GLANDS		
Conductor Area mm ²	Number of cores	Telcleats 385AA	Aluminium Claw Cleats 370BA	Plastic LSF Cleats E	Aluminium Cleats SW1/2B	BW Indoor	CW Indoor/Outdoor	E1W E1WF
1.5	2	1	1	0	-	20S	20SS	20SS
	3	1	1	0	-	20S	20SS	20SS
	4	1	1	0	-	20S	20S	20S
	7	2	2	1	2	20S	20S	20S
	12	3	3	2	3	20	20	20
	19	4	4	3	4	25	25	25
	27	5	5	4	5	25	25	25
	37	6	6	5	6	32	32	32
2.5	48	6	6	5	6	32	32	32
	2	1	2	0	2	20S	20S	20S
	3	1	2	1	2	20S	20S	20S
	4	2	2	1	2	20S	20S	20S
	7	2	3	2	3	20	20	20
	12	4	4	3	4	25	25	25
	19	5	5	4	5	25	25	25
	27	6	6	5	6	32	32	32
4	37	6	6	6	6	40	40	40
	2	2	2	1	2	20S	20S	20S
	3	2	2	1	2	20	20	20
	4	3	3	2	3	20	20	20
6	2	3	3	2	3	20	20	20
	3	3	3	2	3	20	20	20
	4	4	4	3	4	20	20	20
10	2	4	4	3	4	25	25	25
	3	4	4	3	4	25	25	25
	4	4	5	4	5	25	25	25
16	2	4	4	3	4	25	25	25
	3	4	5	4	5	25	25	25
	4	5	6	4	6	25	25	25
25	2	4	4	4	4	25	25	25
	3	5	6	5	6	32	32	32
	4	6	6	5	6	32	32	32
35	2	5	5	5	5	32	32	32
	3	5	6	5	6	32	32	32
	4	6	6	5	6	32	32	32
50	2	5	6	5	6	32	32	32
	3	6	6	5	6	32	32	32
	4	6	6	6	6	40	40	40
70	2	6	6	5	6	32	32	32
	3	6	7	6	7	40	40	40
	4	7	7	7	7	40	40	40
95	2	6	7	6	7	40	40	40
	3	7	7	7	7	40	40	40
	4	8	8	7	8	50	50	50S
120	2	7	7	6	7	40	40	40
	3	7	8	7	8	50	50	50S
	4	8	9	8	9	50	50	50
150	2	7	8	7	8	50	50	50S
	3	8	9	8	9	50	50	50S
	4	-	10	9	10	50	50	50
185	2	8	9	8	9	50	50	50S
	3	8	9	9	9	50	50	50
	4	-	10	10	10	63	63	63S
240	2	8	9	8	9	50	50	50
	3	-	10	10	10	63	63	63S
	4	-	11	11	11	63	63	63
300	2	-	10	9	10	63	63	63S
	3	-	11	11	11	63	63	63
	4	-	12	12	12	75	75	75S
400	2	-	11	10	11	63	63	63
	3	-	12	12	12	75	75	75S
	4	-	13	14	13	75	75	75

Gland size recommendations only apply to Prysmian Glands - as stocked by Jointing Tech

LV Single Core XLPE Cables

Single Core 6491X, Stranded Copper Conductor PVC or LSF 450/750V

Conductor size mm ²	Approx overall diameter mm	Voltage drop DC mV/A/m	Voltage drop DC single phase mV/A/m	Voltage drop three phase AC mV/A/m	Approx cable weight kg/km
1.5	3.0	29	29	25	23
2.5	3.6	18	18	15	35
4	4.2	11	11	9.5	51
6	4.7	7.3	7.3	6.4	71
10	6.1	4.4	4.4	3.8	120
16	7.2	2.8	2.8	2.4	180
25	8.4	1.75	1.8	1.55	280
35	9.5	1.25	1.3	1.1	380
50	11.3	0.93	1.0	0.85	490
70	12.6	0.63	0.72	0.61	710
95	14.7	0.46	0.56	0.48	980
120	16.2	0.36	0.47	0.41	1210
150	18.1	0.29	0.41	0.36	1510
185	20.2	0.23	0.37	0.32	1900
240	22.9	0.18	0.33	0.29	2490
300	27.0	0.145	0.31	0.27	3050
400	32.0	0.105	0.29	0.25	3900

Single Core Unarmoured, Stranded Copper Conductor LSF - 600/1000V BS5467

Conductor size mm ²	Approx overall diameter mm	Approx cable weight kg/km
150	25.8	1950
185	28.0	2350
240	30.5	3000
300	33.5	3675
400	37.8	4700
500	41.1	5925
630	45.3	7450
800	54.8	9400
1000	58.4	11400

Single Core - Aluminium Wire Armoured, Stranded Copper Conductor, LSF - 600/1000V BS6724

Conductor size mm ²	Approx overall diameter mm	Average Thickness Of Insulation (mm)	Approx diameter under armour mm	Nominal Diameter Of Armour Wire (mm)	Approx cable weight kg/km
70	20	1.1	14.7	1.25	950
95	21.6	1.1	16.3	1.25	1225
120	23.2	1.2	17.9	1.25	1500
150	25.8	1.4	19.5	1.6	1950
185	28	1.6	21.6	1.6	2350
240	30.5	1.7	23.9	1.6	3000
300	33.5	1.8	28.5	1.6	3675
400	37.8	2	30.4	2	4700
500	41.1	2.2	33.9	2	5925
630	45.3	2.4	38.2	2	7450
800	54.8	2.6	43.7	2.5	9400
1000	58.4	2.8	48.5	2.5	11400

DISCLAIMER

Please note all the cable data in this section and selection charts are based on information provided by Prysmian Cables Limited and intended as a guide only. Jointing Tech recommend that dimensional data is taken from the actual cable being used to ensure the correct accessories are selected. Jointing Tech cannot be held responsible for errors in selection where incorrect cable dimension are used.

LV Two & Three Core XLPE Cables
Two Core XLPE - Stranded Copper Conductor, Steel Wire Armoured, LSF - 600/1000V BS5467

Conductor size mm ²	Approx overall diameter mm	Approx diameter under armour mm	Nominal diameter of armour wires mm	Approx cable weight kg/km
1.5	11.5	7.1	0.9	320
2.5	12.9	8.3	0.9	365
4	14.4	9.8	0.9	440
6	15.6	11	0.9	470
10	16.8	12	0.9	810
16	19.6	14.1	1.25	1025
25	20.9	15.6	1.25	1000
35	23	17	1.6	1400
50	25.3	19.3	1.6	1750
70	28.5	22.3	1.6	2300
95	32.3	25.1	2	3100
120	34.8	27.4	2	3700
150	37.9	30.3	2	4400
185	42.5	33.5	2.5	5700
240	46.5	37.3	2.5	7100
300	50.3	40.9	2.5	8500
400	54.7	45.1	2.5	10700

Three Core XLPE - Stranded Copper Conductor, Steel Wire Armoured, LSF - 600/1000V BS5467

Conductor size mm ²	Approx overall diameter mm	Approx diameter under armour mm	Nominal diameter of armour wires mm	Approx cable weight kg/km
1.5	12	8	0.9	300
2.5	13	9	0.9	350
4	14	10	0.9	450
6	15.2	11	0.9	550
10	18	13	1.25	800
16	21	15	1.25	1100
25	26	19	1.6	1700
35	28	22	1.6	2100
50	30	24.3	1.6	2400
70	34	27.4	1.6	3100
95	38	30.7	2	4100
120	41.3	33.8	2	5000
150	45	36	2.5	6300
185	49	40	2.5	7600
240	54	45.5	2.5	9600
300	59	49.9	2.5	11600
400	65	55	2.5	14400

DISCLAIMER

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LV Four Core XLPE Cable/3.3kV Three Core XLPE Cables

Four Core XLPE - Stranded Copper Conductor, Steel Wire Armoured, LSF - 600/1000V BS5467

Conductor size mm ²	Approx overall diameter mm	Approx diameter under armour mm	Nominal diameter of armour wires mm	Approx cable weight kg/km
1.5	12.9	8.3	0.9	310
2.5	14.9	9.8	0.9	400
4	15.7	11.1	0.9	510
6	17.9	12.4	1.25	730
10	19.7	14.2	1.25	930
16	22.4	16.7	1.25	1260
25	27.3	20.7	1.6	2000
35	30.2	23.4	1.6	2500
50	32.2	26.0	1.6	3000
70	38.0	30.6	2.0	4120
95	40.7	34.1	2.0	5280
120	45.4	37.6	2.5	6790
150	50.6	41.6	2.5	8060
185	55.3	46.0	2.5	9770
240	61.2	51.7	2.5	12270
300	66.8	56.9	2.5	14900
400	75.4	64.0	3.15	19270

Three Core Xlpe - Stranded Copper Conductor, Steel Wire Armoured, LSF - 1900/3300V BS5467

Conductor size mm ²	Approx overall diameter mm	Average thickness of insulation mm	Approx diameter under armour mm	Nominal diameter of armour wires mm	Approx cable weight kg/km
25	31.3	2	25.3	1.6	1125
35	33.9	2	27.7	1.6	1650
50	35.1	2	27.9	2	2250
70	38.4	2	31	2	2750
95	41.5	2	33.9	2	3600
120	45.7	2	36.9	2.5	4500
150	48.3	2	39.3	2.5	5800
185	51.6	2	42.5	2.5	6500
240	56.1	2	46.8	2.5	7500
300	60.4	2	50.9	2.5	9375
400	65.3	2	55.4	2.5	10700

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LV & 3.3kV Three & Four Core PILC Cables
Three Core PILC - Stranded Copper Conductor, Steel Wire Armoured - 600/1000V BS6480

Conductor size mm ²	Approx overall diameter mm	Approx diameter over lead mm	Nominal diameter of armour wire mm	Approx cable weight kg/km
25	27.6	17.8	1.6	2650
35	29.9	20.1	1.6	3200
50	32.4	22.4	1.6	3850
70	36.4	25.4	2	5000
95	40	28.8	2	6210
120	43.2	31.8	2	7350
150	48.4	35.6	2.5	9280
185	52	39	2.5	10910
240	57.4	44.2	2.5	13500
300	62.1	48.5	2.5	16030
400	67.9	53.9	2.5	19570

Four Core PILC - Stranded Copper Conductor, Steel Wire Armoured - 600/1000V BS6480

Conductor size mm ²	Approx overall diameter mm	Approx diameter over lead mm	Nominal diameter of armour wire mm	Approx cable weight kg/km
25	30.2	20.4	1.6	3170
35	32.9	22.9	1.6	3770
50	36.6	25.6	2	4840
70	40.6	29.4	2	6140
95	44.9	33.5	2	7650
120	49.5	36.9	2.5	9530
150	54.3	41.3	2.5	11490
185	58.5	45.3	2.5	13560
240	65.2	51.6	2.5	17050
300	70.5	56.7	2.5	20280
400	78.8	63.1	3.5	25660

Three Core PILC - Stranded Copper Conductor, Steel Wire Armoured - 1900/3300V BS6480

Conductor size mm ²	Approx overall diameter mm	Average thickness of insulation mm	Approx diameter under armour mm	Nominal diameter of armour wire mm	Approx cable weight kg/km
25	30.1	1.4	20.3	1.6	2570
35	32.4	1.4	22.4	1.6	2900
50	35.7	1.4	24.7	2	3580
70	39.2	1.4	28	2	4260
95	42.8	1.4	31.4	2	5020
120	46.9	1.4	34.3	2.5	6120
150	49.9	1.8	37.1	2.5	6890
185	53.5	1.8	40.5	2.5	7860
240	58.5	2	45.1	2.5	9290
300	63.2	2	49.6	2.5	10850
400	70.3	2	55	2.5	13690

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Multi-core & Multi-paired Cables

Multi Core XLPE, Steel Wire Armoured, Stranded Copper Conductor, LSF - 600/1000V BS6724

FIVE CORE

Nominal cross sectional area mm ²	Approx overall diameter mm	Approx diameter under armour	Nominal diameter of armour wires mm	Approx cable weight kg/km
1.5	14.9	9.8	0.9	400
2.5	16.5	11.4	0.9	490
4	18.9	12.9	1.25	715
6	20.4	14.4	1.25	900
10	23.2	17	1.25	1200
16	27.3	20.2	1.6	1650
25	30	24	1.6	2200
35	32.9	26.7	1.6	2700

SEVEN CORE

1.5	15.8	10.7	0.9	500
2.5	17.6	12.5	0.9	730
4	20.1	14.1	1.25	840

TWELVE CORE

1.5	20	14	1.25	820
2.5	22.8	16.6	1.25	1020
4	26.1	19.2	1.6	1390

NINETEEN CORE

Nominal cross sectional area mm ²	Approx overall diameter mm	Approx diameter under armour	Nominal diameter of armour wires mm	Approx cable weight kg/km
1.5	22.6	16.4	1.25	1080
2.5	27	19.9	1.6	1530
4	29.7	22.6	1.6	1850

TWENTY-SEVEN CORE

1.5	27.3	20.0	1.6	1300
2.5	31.3	24	1.6	1960
4	34.8	27.3	1.6	2420

THIRTY-SEVEN CORE

1.5	29.9	22.5	1.6	1850
2.5	34.3	27	1.6	2440
4	39.6	31.1	2	3320

FORTY-EIGHT CORE

1.5	33.5	26	1.6	2900
2.5	40.1	31.4	2	3550
4	44.7	35.8	2	4850

Multi Paired PVC, Steel Wire Armoured, Stranded Copper Conductor - Part 2 Type 2 BS5308

INDIVIDUALLY SCREENED

Cable CSA	1 PAIR		2 PAIR (QUAD)		5 PAIR		10 PAIR		20 PAIR		30 PAIR		50 PAIR	
	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour
0.5mm ²	-	-	15.8	11.0	19.9	14.2	26.9	20.1	33.3	26.3	39.5	31.3	50.5	40.7
0.75mm ²	-	-	16.6	11.8	21.0	15.3	28.5	21.7	36.8	28.8	42.9	34.5	54.0	44.0
1.5mm ²	-	-	19.4	13.7	24.4	17.8	32.5	25.5	41.6	33.4	49.8	40.0	61.6	51.2

COLLECTIVELY SCREENED

Cable CSA	1 PAIR		2 PAIR (QUAD)		5 PAIR		10 PAIR		20 PAIR		30 PAIR		50 PAIR	
	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour
0.5mm ²	11.4	7.0	12.3	7.9	17.9	13.1	22.9	17.2	29.1	22.3	33.9	26.9	42.1	33.9
0.75mm ²	11.7	7.3	12.9	8.3	19.8	14.3	25.3	18.7	31.3	24.5	37.5	29.5	47.0	37.4
1.5mm ²	12.9	8.3	14.3	9.7	22.1	16.4	28.4	21.6	35.7	28.5	42.5	34.3	53.4	43.6

INDIVIDUALLY & COLLECTIVELY SCREENED

Cable CSA	1 PAIR		2 PAIR (QUAD)		5 PAIR		10 PAIR		20 PAIR		30 PAIR		50 PAIR	
	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour	Out-side Diam-eter	Under Ar-mour
0.5mm ²	-	-	16.8	12.0	20.9	15.2	27.9	21.1	34.3	27.3	40.5	32.3	51.5	41.7
0.75mm ²	-	-	17.6	12.8	22.0	16.3	29.5	22.7	37.8	29.8	43.9	35.5	55.0	45.0
1.5mm ²	-	-	20.4	14.7	25.4	18.8	33.5	26.5	42.6	34.4	50.8	41.0	62.6	52.5

Fireproof Cables

Fire Proof Cable - FP400 Three & Four Core

THREE CORE

Nominal cross sectional area mm ²	Ap-prox overall dia mm	Ap-prox diameter under armour mm	Approx cable weight kg/km	Current rating Three phase AC Clipped direct Amps	Current rating Three phase AC Free Air Amps	Volt drop Three phase AC mV/A/m
1.5	13.4	8.8	340	23	25	27
2.5	14.8	10.2	430	31	33	16
4	16.1	11.5	510	42	44	10
6	17.4	12.8	620	53	56	6.8
10	20.3	14.8	930	73	78	4.0
16	22.8	17.1	1210	94	99	2.5
25	27.4	20.8	1800	124	131	1.65
35	29.2	22.4	2100	154	162	1.15
50	33.0	26.2	2600	187	197	0.87
70	37.0	30.0	3400	238	251	0.60
95	40.6	32.4	4500	289	304	0.45
120	43.8	35.4	5500	335	353	0.37
150	48.0	38.4	6900	386	406	0.30
185	52.0	42.2	8200	441	463	0.26
240	57.1	46.9	10200	520	546	0.21
300	63.0	52.6	12200	599	628	0.185
400	69.5	58.7	15000	673	728	0.165

FOUR CORE

Nominal cross sectional area mm ²	Ap-prox overall dia mm	Ap-prox diameter under armour mm	Approx cable weight kg/km	Current rating Three phase AC Clipped direct Amps	Current rating Three phase AC Free Air Amps	Volt drop Three phase AC mV/A/m
1.5	14.3	9.7	390	23	25	27
2.5	16.0	11.4	490	31	33	16
4	17.3	12.7	590	42	44	10
6	19.6	14.1	830	53	56	6.8
10	21.8	16.3	1040	73	78	4.0
16	24.6	18.9	1370	94	99	2.5
25	29.1	22.5	2100	124	131	1.65
35	32.2	25.4	2500	154	162	1.15
50	35.0	28.0	3200	187	197	0.87
70	40.2	32.0	4500	238	251	0.60
95	44.0	35.6	5600	289	304	0.45
120	48.4	38.8	7200	335	353	0.37
150	52.5	42.7	8500	386	406	0.30
185	57.1	46.9	10300	441	463	0.26
240	62.7	52.3	12800	520	546	0.21
300	69.6	58.8	15600	599	628	0.185
400	78.0	65.3	20400	673	728	0.165

Fire Proof Cable - FP600S Three & Four Core

THREE CORE

Nominal cross sectional area mm ²	Ap-prox overall dia mm	Ap-prox diameter under armour mm	Nominal diameter of armour wires mm	Approx cable weight kg/km	Recommended accessories	
					Claw Cleat Ref No	Brass Gland Ref No
4	21	15	1.25	800	370CG04	LSF25CW
6	21	15	1.25	820	370CG04	LSF25CW
10	23	17	1.25	1050	370CG05	LSF25CW
16	24	19	1.25	1400	370CG06	LSF25CW
25	29	22	1.6	2000	370CG06	LSF32CW
35	31	24	1.6	2300	370CG07	LSF32CW
50	32	25	1.6	2800	370CG07	LSF40CW
70	36	29	1.6	3600	370CG08	LS-F40SCW
95	40	32	2.0	4500	370CG08	LS-F50SCW
120	43	35	2.0	5400	370CG08	LS-F50SCW
150	48	39	2.5	6900	370CG09	LSF50CW
185	52	43	2.5	8200	370CG09	LSF63CW
240	57	47	2.5	10100	370CG09	LSF63CW
300	62	52	2.5	12200	370CG11	LSF63CW
400	69	58	2.5	15000	370CG12	LSF75CW

FOUR CORE

Nominal cross sectional area mm ²	Ap-prox overall dia mm	Ap-prox diameter under armour mm	Nominal diameter of armour wires mm	Approx cable weight kg/km	Recommended accessories	
					Claw Cleat Ref No	Brass Gland Ref No
4	21	15	1.25	800	370CG04	LSF25CW
6	23	17	1.25	950	370CG05	LSF25CW
10	24	19	1.25	1200	370CG05	LSF25CW
16	27	20	1.25	1600	370CG06	LSF32CW
25	32	24	1.6	2400	370CG07	LSF32CW
35	35	27	1.6	2800	370CG07	LSF40CW
50	36	29	1.6	3200	370CG08	LSF40CW
70	41	32	2.0	4500	370CG08	LS-F50SCW
95	44	36	2.0	5700	370CG09	LS-F50SCW
120	49	40	2.5	7300	370CG09	LSF50CW
150	55	44	2.5	8600	370CG10	LSF63CW
185	59	48	2.5	10500	370CG11	LSF63CW
240	64	54	2.5	12900	370CG12	LSF63CW
300	70	59	2.5	15500	370CG13	LSF75CW
400	79	66	3.15	20100	370CG14	LSF85CW

11kV XLPE Cables

11kV Single Core, Stranded Copper Conductor, Copper Wire Screen, Non-Armoured - BS6622/BS7835

Conductor size mm ²	Overall cable diameter mm	Average thickness of insulation mm ²	Copper wire screen mm	Diameter over insulation mm	Minimum bending radius mm	Cable weight kg/m
70	25.7	3.4	16	18.8	450	1.3
95	27.4	3.4	16	20.5	500	1.5
120	29.2	3.4	16	22.0	500	1.8
150	30.5	3.4	16	23.3	550	2.1
185	32.5	3.4	16	25.1	600	2.5
240	34.9	3.4	16	27.3	600	3.1
300	37.2	3.4	16	29.6	650	3.7
400	40.1	3.4	35	32.3	700	4.7
500	43.2	3.4	35	35.2	750	5.7
630	46.9	3.4	35	38.6	800	7.0

11kV Single Core, Stranded Copper Conductor, Copper Tape Screen, Aluminium Wire Armoured - BS6622/BS7835

Conductor size mm ²	Overall cable diameter mm	Average thickness of insulation mm	Diameter over insulation mm	Minimum bending radius mm	Cable weight kg/m
70	29.0	3.4	18.8	450	1.6
95	31.0	3.4	20.5	500	1.9
120	32.5	3.4	22.0	500	2.2
150	35.0	3.4	23.3	550	2.6
185	36.5	3.4	25.1	600	3.0
240	39.0	3.4	27.3	600	3.6
300	41.0	3.4	29.6	650	4.3
400	45.0	3.4	32.3	700	5.2
500	49.5	3.4	35.2	750	6.5
630	54.0	3.4	38.6	800	7.9

11kV Three Core Armoured Copper Tape Screen - BS66221/ BS7835

Conductor size mm ²	Overall cable diameter mm	Average thickness of insulation mm	Minimum bending radius mm	Cable weight kg/m
70	54.5	3.4	700	5.6
95	58.5	3.4	750	6.7
120	62.0	3.4	800	7.7
150	66.5	3.4	850	8.7
185	69.5	3.4	900	10.1
240	76.0	3.4	950	13.1
300	81.5	3.4	1050	15.4
400	89.0	3.4	1100	18.6

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22kV XLPE Cables
22kV Single Core, Stranded Copper Conductor, Copper Wire Screen, Non-Armoured - BS6622/BS7835

Conductor size mm ²	Overall cable diameter mm	Average thickness of insulation mm	Diameter over insulation mm	Minimum bending radius mm	Cable weight kg/m
70	30.6	5.5	23.4	600	1.5
95	32.5	5.5	25.1	600	1.8
120	34.0	5.5	26.6	650	2.0
150	35.5	5.5	27.9	650	2.4
185	37.3	5.5	29.7	700	2.7
240	39.7	5.5	31.9	750	3.4
300	42.2	5.5	34.2	800	4.1
400	45.2	5.5	36.9	850	5.0
500	48.3	5.5	39.8	900	6.1
630	51.9	5.5	43.2	950	7.4

22kV Single Core, Stranded Copper Conductor, Copper Tape Screen, Aluminium Wire Armoured - BS6622/BS7835

Conductor size mm ²	Overall cable diameter mm	Average thickness of insulation mm	Diameter over insulation mm	Minimum bending radius mm	Cable weight kg/m
70	34.5	5.5	23.4	550	1.9
95	36.0	5.5	25.1	600	2.3
120	37.5	5.5	26.6	600	2.6
150	39.5	5.5	27.9	650	2.9
185	41.0	5.5	29.7	650	3.4
240	43.5	5.5	31.9	700	4.0
300	47.0	5.5	34.2	750	4.9
400	50.5	5.5	36.9	800	5.8
500	54.5	5.5	39.8	850	7.0
630	58.3	5.5	43.2	900	8.4

22kV Three Core, Stranded Copper Conductor, Copper Tape Screen, Steel Wire Armoured - BS6622/BS7835

Conductor size mm ²	Overall cable diameter mm	Average thickness of insulation mm	Diameter over insulation mm	Minimum bending radius mm	Cable weight kg/m
70	64.3	5.5	23.4	1050	7.8
95	68.5	5.5	25.1	1100	9.1
120	75.0	5.5	26.6	1200	11.0
150	78.5	5.5	27.9	1250	12.1
185	82.5	5.5	29.7	1300	13.8
240	87.5	5.5	31.9	1350	16.1
300	93.0	5.5	34.2	1450	18.4
400	100.5	5.5	36.9	1550	21.7

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33kV XLPE Cables

33kV Single Core, Stranded Copper Conductor, Copper Wire Screen, Non-Armoured - BS6622/BS7835

Conductor size mm ²	Overall cable diameter mm	Average thickness of insulation mm	Copper wire screen mm	Diameter over insulation mm	Minimum bending radius mm	Cable weight kg/m
70	36.5	8.0	16	28.9	800	1.5
95	38.4	8.0	16	30.6	850	1.8
120	39.9	8.0	16	32.1	850	2.0
150	41.2	8.0	16	33.4	900	2.4
185	43.2	8.0	16	35.2	950	2.7
240	45.7	8.0	25	37.4	1000	3.4
300	48.2	8.0	25	39.7	1050	4.1
400	51.1	8.0	35	42.4	1100	5.0
500	54.0	8.0	35	45.3	1150	6.1
630	57.8	8.0	35	48.7	1250	7.4

33kV Single Core, Stranded Copper Conductor, Copper Tape Screen, Aluminium Wire Armoured - BS6622/BS7835

Conductor size mm ²	Overall cable diameter mm	Average thickness of insulation mm	Diameter over insulation mm	Minimum bending radius mm	Cable weight kg/m
70	41.4	8.0	28.9	900	2.4
95	43.3	8.0	30.6	950	2.7
120	44.8	8.0	32.1	950	3.1
150	47.5	8.0	33.4	1000	3.6
185	49.5	8.0	35.2	1050	4.0
240	51.7	8.0	37.4	1100	4.7
300	54.4	8.0	39.7	1150	5.5
400	57.3	8.0	42.4	1250	6.4
500	60.6	8.0	45.3	1300	7.6
630	64.2	8.0	48.7	1350	9.1

33kV Three Core, Stranded Copper Conductor, Copper Tape Screen, Steel Wire Armoured - BS6622/BS7835

Conductor size mm ²	Overall cable diameter mm	Average thickness of insulation mm	Diameter over insulation mm	Minimum bending radius mm	Cable weight kg/m
70	82.6	8	28.9	1500	10.7
95	86.7	8	30.6	1600	12.0
120	90.3	8	32.1	1650	13.3
150	93.3	8	33.4	1700	14.4
185	97.6	8	35.2	1800	16.1
240	102.9	8	37.4	1900	18.4
300	108.5	8	39.7	2000	21.0
400	114.9	8	42.4	2100	24.2

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11kV PILC & PICAS Cables
11kV Single Core PILC, Stranded Copper Conductor, PVC - BS6480

Conductor size mm ²	Nominal outside diameter mm	Lead alloy sheath thickness mm	Over lead diameter mm	Minimum bending radius mm	Cable weight kg/km
50	21.1	1.2	18.0	350	1500
70	23.1	1.3	20.0	350	1900
95	25.0	1.3	21.9	400	2200
120	26.8	1.4	23.7	450	2600
150	28.3	1.4	25.2	450	3000
185	30.4	1.5	27.3	500	3600
240	33.0	1.5	30.0	500	4300
300	35.7	1.6	32.6	550	5100
400	39.0	1.7	35.8	600	6300
500	43.3	1.7	39.8	650	7500
630	47.7	1.8	44.0	750	9300
800	52.4	1.9	48.4	800	11500
1000	57.6	2.1	53.4	900	14200

11kV Three Core Pilc (Belted), Stranded Copper Conductor, Steel Wire Armoured - BS6480

Conductor size mm ²	Nominal outside diameter mm	Armour wire diameter mm	Armour wire cross sectional area	Over lead diameter mm	Minimum bending radius mm	Cable weight kg/km
25	43.4	2.0	160	32.4	550	5100
35	42.3	2.0	157	31.3	550	5300
50	45.6	2.5	212	33.6	550	6500
70	48.9	2.5	226	36.9	600	7600
95	52.3	2.5	246	40.3	650	9000
120	55.0	2.5	261	43.0	700	10100
150	57.8	2.5	275	45.8	700	11500
185	61.2	2.5	295	49.2	750	13200
240	66.0	2.5	320	54.0	800	16000
300	71.6	3.15	278	58.3	900	19400
400	77.0	3.15	303	63.7	950	23100

11kV Three Core Picas (Screened) - BS6480

Conductor size mm ²	Approx diameter overall mm ²	Approx overall thickness of aluminium sheath mm ²	Approx cable weight kg/km
95	49	2	3400
185	60.7	2	5200
300	72.5	2.5	7500

DISCLAIMER

Please note all the cable data in this section and selection charts are based on information provided by Prysmian Cables Limited and intended as a guide only. Jointing Tech recommend that dimensional data is taken from the actual cable being used to ensure the correct accessories are selected. Jointing Tech cannot be held responsible for errors in selection where incorrect cable dimension are used.

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91-NBA-1	92	(CWS)		AA50-M	24	AE712	60	BBIT40/16-A/U	84	BU2 - SMOE	131
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