PSG
Power Supplies Group

Product Catalogue

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The Power Supplies Group

A DIFFERENT APPROACH

The U.K power products market has been dominated for the last decade by manufacturers who have enjoyed a monopoly position with their distribution partners across the electrical utility sector which has proved a significant barrier to change. The Power Supplies Group drawing on experience of power generation, transmission and distribution networks globally brings new manufacturers, products, innovations and a different approach to this market.

The Power Supplies Group was incorporated by a management team with over 20 years of industry experience and in depth knowledge of power products and markets and the global supply chain. This is key to us being able to bring new manufacturers and products to market to add value to our customers through a focus on electrical system design, product training, correct product selection and application, installation time, testing and certification and an ethos of total cost.

THE PSG DIFFERENCE?

KNOWLEDGE & EXPERTISE

A unique knowledge of the power generation, transmission and distribution markets enabling us to offer product solutions tailored to each project and market.

FEATURES & BENEFITS

An in depth understanding of products enables us to offer advice and guidance on system design, product selection, application and installation.

APPROVALS & STANDARDS

Our knowledge of power distribution approvals and international product standards ensures all solutions are fully compliant.

CUSTOMER SERVICE

Our technical sales team is trained to offer outstanding technical support and customer service and are ready to assist with all power cable accessories requirements.

Product Awareness & Training Solutions

THE POWER TO CHANGE

All manufacturers of power products together with their distribution partners have an obligation to ensure all new and existing customers are informed of the latest products and innovations and receive training to ensure they are competent installers.

The reality based on the established market position of some companies is that there is not an appetite to drive change and promote new technologies. Therefore there is a lack of product demonstrations to promote new products and technologies and product training based on competency based courses to give customers the confidence in future installations

The Power Supplies Group are committed to raising awareness of new power products and innovations that will save our customers time, money and extend the life of a cable system in addition to ensuring that all customers are trained and competent designers and installers and have attended competency based training courses.

PRODUCT DEMONSTRATIONS

PSG can offer product demonstrations across our full product portfolio which can be tailored to customer requirements and can include product features and benefits, application and installation.

PRODUCT TRAINING

PSG working alongside our supply chain can offer training on all our products and services. We have launched with REPL a 11kV Certified Jointer course to cover their range of MV joints & terminations which is a competency based course as all joints and terminations are tested.

The Electrical Industry

MARKET FOCUS & REACH

The U.K electricity sector consists of power generation, transmission and distribution networks. These electricity networks which are maintained and upgraded and associated markets which include power stations, renewable energy, rail infrastructure, oil, gas and petrochemical and construction markets all need power cable accessories.

The Power Supplies Group business touches all these markets and is positioned to supply a range of power products through the contractor network based on DNO or IDNO adopted assets or private network projects in the U.K. and Ireland

POWER GENERATION

POWER TRANSMISSION

POWER DISTRIBUTION

RAIL INFRASTRUCTURE

OIL, GAS & PETROCHEMICAL

CONSTRUCTION

Cable Glands

Contents

A2 Polyamide Cable Glands

A premium metric range of polyamide PA 6.6 stuffing glands designed for use with unarmoured cables to provide retention and a seal at equipment entry.

Features & Benefits

- Suitable for indoor and outdoor applications
- IP68 rated based on protection against water and dust ingress
- Flammability rated to UL94-V2
- Designed in accordance with European Standard EN50262
- Temperature Range -40 C to 100 C
- Available in black as standard but other colour available on request

Part No	Cable Dia Range mm	Gland Size	Thread Length mm
A2/20S-N	5-9	M20	9
A2/20-N	6-12	M20	9
A2/20L-N	10-14	M20	9
A2/25-N	13-18	M25	11
A2/32-N	18-25	M32	11
A2/40-N	22-32	M40	13
A2/50-N	32-38	M50	13
A2/63-N	37-44	M63	14

A2 Brass Cable Glands

A premium metric range of brass stuffing glands designed for use with unarmoured cables to provide superior mechanical protection and provide a seal at equipment entry.

Features & Benefits

- Suitable for indoor and outdoor applications
- IP66/67/68 rated based on protection against water and dust ingress and use of seals
- Designed, tested and certified to BS6121 Part 1 : 1989, IEC 62444 & EN6244
- Temperature Range -60 C to 130 C
- Available in high quality Brass as standard but Stainless Steel & Aluminium on request

Part No	Cable Dia Range mm	Gland Size	Thread Length mm
A2/20S-B	6.1-11.7	M20	10
A2/20-B	6.5-14.0	M20	10
A2/25-B	11.1-20.0	M25	10
A2/32-B	17.0-26.3	M32	10
A2/40-B	23.5-32.2	M40	15
A2/50S-B	31.0-38.2	M50	15
A2/50-B	35.6-44.0	M50	15
A2/63S-B	41.6-49.9	M63	15
A2/63-B	47.2-55.9	M63	15
A2/75S-B	54.0-61.9	M75	15
A2/75-B	61.1-67.9	M75	15

BW Indoor Brass Cable Glands - SWA

A premium metric range of indoor brass industrial cable glands designed for use with steel wire armoured cables to provide superior mechanical retention and electrical continuity across the armours of the cables.

Features & Benefits

- Suitable for dry indoor applications
- Metric male threads are rated to IP54
- Designed in accordance with British Standard BS6121 Part 1 : 1989
- Temperature Range -60 C to 200 C

Part No	Cable Dia Range mm	Gland Size	Thread Length mm
BW/20S-B	11.7-15.8	M20	10
BW/20-B	14.0-21.1	M20	10
BW/25-B	20.0-27.2	M25	10
BW/32-B	26.3-34.1	M32	10
BW/40-B	32.2-42.4	M40	15
BW/50S-B	38.2-50.1	M50	15
BW/50-B	44.1-55.7	M50	15
BW/63S-B	50.0-62.4	M63	15
BW/63-B	56.0-68.2	M63	15
BW/75S-B	62.0-76.8	M75	15
BW/75-B	68.0-82.9	M75	15

CW Outdoor Brass Cable Glands - SWA

A premium metric range of outdoor brass industrial cable glands designed for use with steel wire armoured cables to provide an environmental seal, superior mechanical retention and electrical continuity across the armours of the cables.

Features & Benefits

- Suitable for indoor or outdoor applications
- IP66 rating protection against water and dust ingress with a nylon thread washer
- Designed, tested and certified to BS6121 Part 1 : 1989, IEC 62444 & EN6244
- Temperature Range -60 C to 130 C

Part No	Cable Dia Range mm	Gland Size	Thread Length mm
CW/20S-B	9.5-15.9	M20	10
CW/20-B	12.5-20.9	M20	10
CW/25-B	18.2-26.2	M25	10
CW/32-B	23.7-33.9	M32	10
CW/40-B	27.9-40.4	M40	15
CW/50S-B	35.2-46.7	M50	15
CW/50-B	40.4-53.0	M50	15
CW/63S-B	45.6-59.4	M63	15
CW/63-B	54.6-65.8	M63	15
CW/75S-B	59.0-72.0	M75	15
CW/75-B	66.7-78.4	M75	15

CW Outdoor Aluminium Cable Glands - AWA

A premium metric range of outdoor aluminium industrial cable glands designed for use with aluminium wire armoured cables to provide an environmental seal, superior mechanical retention and electrical continuity across the armours of the cables.

Features & Benefits

- Suitable for indoor or outdoor applications
- IP66 rating protection against water and dust ingress with a nylon thread washer
- Designed, tested and certified to BS6121 Part 1 : 1989, IEC 62444 & EN6244
- Temperature Range -60 C to 130 C

Part No	Cable Dia Range mm	Gland Size	Thread Length mm
CW/20S-A	9.5-15.9	M20	10
CW/20-A	12.5-20.9	M20	10
CW/25-A	18.2-26.2	M25	10
CW/32-A	23.7-33.9	M32	10
CW/40-A	27.9-40.4	M40	15
CW/50S-A	35.2-46.7	M50	15
CW/50-A	40.4-53.0	M50	15
CW/63S-A	45.6-59.4	M63	15
CW/63-A	54.6-65.8	M63	15
CW/75S-A	59.0-72.0	M75	15
CW/75-A	66.7-78.4	M75	15

CX Outdoor Brass Cable Glands- Braided

A premium metric range of outdoor brass industrial cable glands designed for use with braided and steel tape armoured cables to provide an environmental seal, superior mechanical retention and electrical continuity across the armours of the cables.

Features & Benefits

- Suitable for indoor or outdoor applications
- IP66 rating protection against water and dust ingress with a nylon thread washer
- Designed in accordance with European Standard EN62444
- Temperature Range -60 C to 130 C

Part No	Cable Dia Range mm	Gland Size	Thread Length mm
CX/20S-B	9.5-15.9	M20	10
CX/20-B	12.5-20.9	M20	10
CX/25-B	18.2-26.2	M25	10
CX/32-B	23.7-33.9	M32	10
CX/40-B	27.9-40.4	M40	15
CX/50S-B	35.2-46.7	M50	15
CX/50-B	40.4-53.0	M50	15
CX/63S-B	45.6-59.4	M63	15
CX/63-B	54.6-65.8	M63	15
CX/75S-B	59.0-72.0	M75	15
CX/75-B	66.7-78.4	M75	15

CWCIEL Outdoor Brass Cable Glands - SWA

A premium metric range of outdoor brass industrial cable glands designed for use with steel wire armoured cables to with an integral earth lug for a low impedance connection to the armours of the cable.

Features & Benefits

- Suitable for indoor or outdoor applications
- Ideal for use on cables where high induced currents are experienced in the cable armouring.
- IP66 rating protection against water and dust ingress with a nylon thread washer
- Temperature Range -60 C to 130 C

Part No	Cable Dia Range mm	Gland Size	Thread Length mm
CWCIEL/20S-B	9.5-15.9	M20	10
CWCIEL/20-B	12.5-20.9	M20	10
CWCIEL/25-B	18.2-26.2	M25	10
CWCIEL/32-B	23.7-33.9	M32	10
CWCIEL/40-B	27.9-40.4	M40	15
CWCIEL/50S-B	35.2-46.7	M50	15
CWCIEL/50-B	40.4-53.0	M50	15
CWCIEL/63S-B	45.6-59.4	M63	15
CWCIEL/63-B	54.6-65.8	M63	15
CWCIEL/75S-B	59.0-72.0	M75	15
CWCIEL/75-B	66.7-78.4	M75	15

CWALCIEL Outdoor Aluminium Cable Glands - AWA

A premium metric range of outdoor aluminium industrial cable glands designed for use with aluminium wire armoured cables with an integral earth lug for a low impedance connection to the armours of the cable.

Features & Benefits

- Suitable for indoor or outdoor applications
- Ideal for use on cables where high induced currents are experienced in the cable armouring.
- IP66 rating protection against water and dust ingress with a nylon thread washer
- Temperature Range -60 C to 130 C

Part No	Cable Dia Range mm	Gland Size	Thread Length mm
CWALCIEL/20S-B	9.5-15.9	M20	10
CWALCIEL/20-B	12.5-20.9	M20	10
CWALCIEL/25-B	18.2-26.2	M25	10
CWALCIEL/32-B	23.7-33.9	M32	10
CWALCIEL/40-B	27.9-40.4	M40	15
CWALCIEL/50S-B	35.2-46.7	M50	15
CWALCIEL/50-B	40.4-53.0	M50	15
CWALCIEL/63S-B	45.6-59.4	M63	15
CWALCIEL/63-B	54.6-65.8	M63	15
CWALCIEL/75S-B	59.0-72.0	M75	15
CWALCIEL/75-B	66.7-78.4	M75	15

E1WAL Outdoor Brass Cable Gland - SWA

A premium metric range of outdoor brass weatherproof cable glands designed for use with steel wire armoured cables in harsh exposed environments with a double IP66 seal on the inner and outer sheath of the cables.

Features & Benefits

- Suitable for harsh outdoor applications
- IP66 rating protection against water and dust ingress
- Designed in accordance with European Standard EN62444
- Temperature Range -60 C to 130 C

Part No	Cable Dia Range mm	Gland Size	Thread Length mm
E1W/20S-B	6.1-11.6	M20	10
E1W/20-B	6.5-13.9	M20	10
E1W/25-B	11.1-19.9	M25	10
E1W/32-B	17.0-26.2	M32	10
E1W/40-B	22.0-32.1	M40	15
E1W/50S-B	29.5-38.1	M50	15
E1W/50-B	35.6-44.0	M50	15
E1W/63S-B	40.1-49.9	M63	15
E1W/63-B	47.7-55.9	M63	15
E1W/75S-B	52.8-61.9	M75	15
E1W/75-B	59.1-67.9	M75	15

E1WAL Outdoor Brass Cable Gland - AWA

A premium metric range of outdoor aluminium weatherproof cable glands designed for use with aluminium wire armoured cables in harsh exposed environments with a double IP66 seal on the inner and outer sheath of the cables.

Features & Benefits

- Suitable for harsh outdoor applications
- IP66 rating protection against water and dust ingress
- Designed in accordance with European Standard EN62444
- Temperature Range -60 C to 130 C

Part No	Cable Dia Range mm	Gland Size	Thread Length mm
E1W/20S-A	6.1-11.6	M20	10
E1W/20-A	6.5-13.9	M20	10
E1W/25-A	11.1-19.9	M25	10
E1W/32-A	17.0-26.2	M32	10
E1W/40-A	22.0-32.1	M40	15
E1W/50S-A	29.5-38.1	M50	15
E1W/50-A	35.6-44.0	M50	15
E1W/63S-A	40.1-49.9	M63	15
E1W/63-A	47.7-55.9	M63	15
E1W/75S-A	52.8-61.9	M75	15
E1W/75-A	59.1-67.9	M75	15

Cable Gland Shrouds

A range of cable gland shrouds that are designed to minimise the risk of dirt or foreign substances gathering on the cable gland and point of cable to cable gland interface.

Features & Benefits

- Available as additional parts as shrouds are supplied as standard as part of CMP cable gland kits or for colour coding.
- PVC temperature range -60C to to +90C
- Supplied in PVC as standard but also available in LSF & PCP
- Supplied in Black as standard but also available in Grey, Blue, Red, Orange, Green & Yellow
- Other sizes available on request.
- Please quote part no CGSH** and the reference number from the size chart below based on the cable gland type when contacting the sales office

Size	A2	BW	CW/CX	E1W
20S	04	02	04	04
20	05	05	06	06
25	09	07	09	09
32	10	10	11	11
40	13	13	15	15
50S	15	16	18	18
50	18	19	21	21
63S	21	23	23	23
63	23	24	25	25
75S	24	27	28	28
75	26	29	30	30

Cable Gland Spanners

A range of cable glands spanners that are designed in accordance with CMP cable glands to provide the correct fit to each component to minimise slippage and injury caused by the use of the incorrect tools on site.

Features & Benefits

- Correct installation tooling for CMP Cable Glands
- Multiple cable gland spanner will need to be used to install cable glands
- Please quote part no CGSP** and the reference number from the size chart below based on the cable gland type when contacting the sales office

Size	A2	BW	E1W
20S	01/02	01	02
20	02/03	05	04/06
25	09	08	09
32	08	08	12
40	13	13	15
50S	14	17	15/18
50	18	19	18/19/20
63S	19/20	20/21	20/21
63	20/21	22/39	22/39
75S	22	23/24	24
75	23	24/34	25

Earth Tags

A range of metallic earth tags that are designed to provide an earth bond connection.

Features & Benefits

- Installed between cable gland and equipment
- Available on request in Stainless Steel & Aluminium

Part No	Gland Size	Earth Size	Thickness
CGET20	M20	M6	1.3
CGET25	M25	M6	1.5
CGET32	M32	M12	1.5
CGET40	M40	M13	1.5
CGET50	M50	M13	1.5
CGET63	M63	M13	1.5

Serrated Washers

A range of serrated washers that are designed to prevent the loosening of the cable glands when exposed to vibration.

Features & Benefits

- Installed internally to the equipment before the locknut
- Other sizes available on request

Part No	Gland Size	Thickness
CGSW20	M20	3.9
CGSW25	M25	3.9
CGSW32	M32	3.9
CGSW40	M40	3.9
CGSW50	M50	3.9
CGSW63	M63	3.9

Locknuts

A range of metallic locknuts that are designed to secure brass cable glands and accessories to a gland plate.

Features & Benefits

- Available on request in Stainless Steel & Aluminium
- Other sizes available on request

Part No	Gland Size	Thickness
CGLN20	M20	3.2
CGLN25	M25	3.2
CGLN32	M32	3.2
CGLN40	M40	4.8
CGLN50	M50	6.3
CGLN63	M63	6.3

Entry Thread Sealing Washers

A range of entry thread sealing washers that are designed to maintain the ingress protection rating between the cable gland and equipment.

Features & Benefits

- Available for NPT threads on request
- Other sizes available on request

Part No	Gland Size	Thickness
CGETSW20	M20	2.0
CGETSW25	M25	2.0
CGETSW32	M32	2.0
CGETSW40	M40	2.0
CGETSW50	M50	2.0
CGETSW63	M63	2.0

Cable Cleats

Contents

1 Bolt Nylon Cable Cleats - Sabre

Standard range of Nylon 1 bolt cable cleats suitable for single core and multi core cables in commercial and light industrial applications on cable systems with low short circuit forces.

Features & Benefits

- Suitable for indoor applications
- Excellent axial and lateral load retention
- Stackable single bolt fixing design
- UV (Sunlight) & weather resistant
- Available in UL94 V0 Nylon & LUL approved polymer.
- Tested & certified to BS EN61914:2016 Cable Cleats for Electrical Installations
- Short Circuit Tested to 68kA Peak 32.3kA rms (0.1sec 600mm fixed cleat centres and 105mm cable centres in parallel formation)
- Temperature Range -40 C to 60 C

Part No	Cable Dia Range mm	Fixing Holes
1BC1013	10-13	1 x M10
1BC1316	13-16	1 x M10
1BC1619	16-19	1 x M10
1BC1923	19-23	1 x M10
1BC2327	23-27	1 x M10
1BC2732	27-32	1 x M10
1BC3238	32-38	1 x M10
1BC3846	38-46	1 x M10

2 Bolt Nylon Cable Cleats - Falcon

Standard range of Nylon 2 bolt cable cleats suitable for single core and multi core cables in commercial and light industrial applications on cable systems with low short circuit forces.

Features & Benefits

- Suitable for indoor applications
- Excellent axial and lateral load retention
- Stackable two bolt fixing design
- UV (Sunlight) & weather resistant
- The cable cleat has 2 x M12 clearance holes so can be fixed with 2 x M10 or M12 fasteners
- Tested & certified to BS EN61914:2016 Cable Cleats for Electrical Installations
- Short Circuit Tested to 110kA Peak / 50.0kA rms (0.1sec 600mm fixed cleat centres and 105mm cable centres in parallel formation)
- Temperature Range -40 C to 60 C
- Available in UL94 V0 Nylon & LUL approved polymer

Part No	Cable Dia Range mm	Fixing Holes
2BC038048	38-48	2 x M10/M12
2BC048058	48-58	2 x M10/M12
2BC058070	58-70	2 x M10/M12
2BC070083	70-83	2 x M10/M12
2BC083097	83-97	2 x M10/M12
2BC096109	96-109	2 x M10/M12
2BC106120	106-120	2 x M10/M12

1 Bolt Aluminium Cable Cleats - Valiant

Standard range of Aluminium 1 bolt cable cleats suitable for single core and multi core cables in commercial and industrial application on cable systems with medium short circuit forces.

Features & Benefits

- Suitable for indoor & outdoor applications
- Manufactured high pressure diecast Aluminium (LM20)
- Excellent axial and lateral load retention
- Stackable single bolt fixing design
- Tested & certified to BS EN61914:2016 Cable Cleats for Electrical Installations
- Short Circuit Tested to 90kA Peak / 42.8kA rms (0.1sec 600mm fixed cleat centres and 105mm cable centres in parallel formation)
- Temperature Range -60 C to 150 C

Part No	Cable Dia Range mm	Fixing Holes
1BC1013A	10-13	1 x M10
1BC1316A	13-16	1 x M10
1BC1619A	16-19	1 x M10
1BC1923A	19-23	1 x M10
1BC2327A	23-27	1 x M10
1BC2732A	27-32	1 x M10
1BC3238A	32-38	1 x M10
1BC3845A	38-45	1 x M10
1BC3846A	38-46	1 x M10

2 Bolt Aluminium Cable Cleats - Zenith

Standard range of Aluminium 2 bolt cable cleats suitable for single core and multi core cables in commercial and industrial applications on cable systems with medium short circuit forces.

Features & Benefits

- Suitable for indoor & outdoor applications
- Manufactured high pressure diecast Aluminium (LM20)
- Excellent axial and lateral load retention
- Stackable two bolt fixing design
- The cable cleat has 2 x M12 clearance holes so can be fixed with 2 x M10 or M12 fasteners
- Tested & certified to BS EN61914:2016 Cable Cleats for Electrical Installations
- Short Circuit Tested to 130kA Peak / 59kA rms (0.1sec 600mm fixed cleat centres and 105mm cable centres in parallel formation)
- Temperature Range -60 C to 150 C

Part No	Cable Dia Range mm	Fixing Holes
2BC048058A	48-58	2 x M10/M12
2BC058070A	58-70	2 x M10/M12
2BC070083A	70-83	2 x M10/M12
2BC083097A	83-97	2 x M10/M12
2BC096109A	96-109	2 x M10/M12
2BC106120A	106-120	2 x M10/M12
2BC120135A	120-135	2 x M10/M12

2 Bolt Composite Cable Cleats - ST Series

Premium range of 2 bolt Composite cable cleats suitable for single core cables in light industrial applications on cables systems with medium to high short circuit forces installed in single or flat formation.

Features & Benefits

- Suitable for indoor and outdoor applications
- Manufactured from fibreglass reinforced polyamide
- Stackable two bolt fixing design
- UV, weather resistant & flame Resistant to UL94-VO
- Temperature Range –80 C to +120 C
- Tested & certified to IEC 61914:2016 Cable Cleats for Electrical Installations
- Mechanical Strength 25,400N - 48,000N
- Conforms to EU 2011/65 EU (RoHS) & Reach directives

Part No	Cable Dia Range mm	Fixing Holes
500013	16-26	2 x M10
500022	26-38	2 x M12
500023	36-52	2 x M12
500024	50-75	2 x M12
500025	75-100	2 x M14

Stainless Steel Cable Cleats - Sapphire

Premium range of stainless steel cable cleats suitable for single core cables in commercial and heavy industrial applications on cables systems with medium short circuit forces installed in single or flat formation.

Features & Benefits

- Suitable for indoor and outdoor applications
- Manufactured from 316L stainless steel with LSF liners
- Excellent corrosion resistance in the harshest environments
- Temperature Range -50 C to 60 C
- Tested & certified to BS EN61914:2016 Cable Cleats for Electrical Installations
- Short Circuit Tested to 110kA Peak / 50kA rms (0.1sec 600mm fixed cleat centres and 105mm cable centres in parallel formation)
- 3 fixing holes ensuring product can be installed to most mounting surfaces.

Part No	Cable Dia Range mm	Fixing Holes
SHDSS032038	32-38	1 x M12 or 2 x M10
SHDSS038046	38-46	1 x M12 or 2 x M10
SHDSS046051	46-51	1 x M12 or 2 x M10
SHDSS051058	51-58	1 x M12 or 2 x M10
SHDSS058070	58-70	1 x M12 or 2 x M10
SHDSS070083	70-83	1 x M12 or 2 x M10
SHDSS083097	83-97	1 x M12 or 2 x M10
SHDSS096109	96-109	1 x M12 or 2 x M10
SHDSS106120	106-120	1 x M12 or 2 x M10
SHDSS120135	120-135	1 x M12 or 2 x M10

1 Bolt Stainless Steel Fire Performance Cleats - Helios

Standard range of Stainless Steel 1 bolt cable cleats designed for use with single core fire performance cable in commercial applications on cable systems with low short circuit forces.

Features & Benefits

- Suitable for indoor & outdoor applications
- Manufactured from fabricated 316L stainless steel
- Stackable single bolt fixing design
- Tested to European standard EN50200 for Fire Testing
- Tested & certified to BS EN61914:2016 Cable Cleats for Electrical Installations
- Short Circuit Tested to 60kA Peak / 29kA rms (0.1sec 600mm fixed cleat centres and 105mm cable centres in parallel formation)
- Temperature Range -60 C to 250 C

Part No	Cable Dia Range mm	Fixing Holes
FPC1619	16-19	1 x M10
FPC1923	19-23	1 x M10
FPC2327	23-27	1 x M10
FPC2732	27-32	1 x M10
FPC3238	32-38	1 x M10
FPC3846	38-46	1 x M10
FPC4651	46-51	1 x M10
FPC5157	51-57	1 x M10

2 Bolt Stainless Steel Fire Performance Cleats - Themis

Stainless Steel 2 bolt cable cleats designed for use with single core fire performance cable in commercial and light industrial applications on cable systems with medium short circuit forces.

Features & Benefits

- Suitable for indoor & outdoor applications
- Manufactured from 316L stainless steel
- Stackable two bolt fixing design
- Tested to European standard EN50200 for Fire Testing
- Tested & certified to BS EN61914:2016 Cable Cleats for Electrical Installations
- For information regarding short circuit ratings please contact PSG
- Temperature Range -60 C to 250 C

Part No	Cable Dia Range mm	Fixing Holes
2BC038048HT	38-48	2 x M10/M12
2BC048058HT	48-58	2 x M10/M12
2BC058070HT	58-70	2 x M10/M12
2BC070083HT	70-83	2 x M10/M12
2BC083097HT	83-97	2 x M10/M12

Aluminium Trefoil Cable Cleats - Huron

Premium range of Aluminium cable cleats suitable for single core cables in commercial and light industrial applications on cables systems with low to medium short circuit forces installed in trefoil formation.

Features & Benefits

- Suitable for indoor and outdoor applications
- Manufactured from 5000 series Aluminium with LSF liners
- Quick Installation with 1 fixing bolt to secure the 3 cables in place in trefoil formation
- Can be used with Triplex Cable Surround to accommodate the twisting of a Triplex cable
- Can be used in conjunction with intermediate cable restraints
- Tested & certified to BS EN61914:2016 Cable Cleats for Electrical Installations
- Short Circuit Tested to 84kA Peak / 40.5kA rms (0.1sec 300mm fixed cleat centres in trefoil formation)
- Temperature Range -50 C to 60 C
- 3 fixing holes ensuring product can be installed to most mounting surfaces

Part No	Cable Dia Range mm	Fixing Holes
LDAL019023	19-23	1 x M10 or 2 x M10
LDAL023028	23-28	1 x M10 or 2 x M10
LDAL027032	27-32	1 x M10 or 2 x M10
LDAL030035	30-35	1 x M10 or 2 x M10
LDAL033038	33-38	1 x M10 or 2 x M10
LDAL036042	36-42	1 x M10 or 2 x M10
LDAL040046	40-46	1 x M10 or 2 x M10
LDAL044050	44-50	1 x M10 or 2 x M10
LDAL048055	48-55	1 x M10 or 2 x M10
LDAL051058	51-58	1 x M10 or 2 x M10
LDAL055062	55-62	1 x M10 or 2 x M10
LDAL059066	59-66	1 x M10 or 2 x M10
LDAL063070	63-70	1 x M10 or 2 x M10
LDAL067074	67-74	1 x M10 or 2 x M10
LDAL071078	71-78	1 x M10 or 2 x M10
LDAL074082	74-82	1 x M10 or 2 x M10
LDAL077085	77-85	1 x M10 or 2 x M10
LDAL082088	82-88	1 x M10 or 2 x M10
LDAL088096	88-96	1 x M10 or 2 x M10
LDAL096103	96-103	1 x M10 or 2 x M10
LDAL0103111	103-111	1 x M10 or 2 x M10
LDAL111119	111-119	1 x M10 or 2 x M10
LDAL0119128	119-128	1 x M10 or 2 x M10

Light Duty Composite Trefoil Cable Cleats - TRI eco Series

Premium range of 2 bolt Composite cable cleats suitable for single core cables in light industrial applications on cables systems with low to medium short circuit forces installed in trefoil formation.

Features & Benefits

- Suitable for indoor and outdoor applications
- Manufactured from fibreglass reinforced polyamide
- Stackable two bolt fixing design
- UV, weather resistant & flame resistant to UL94-VO
- Temperature Range -80C to +120C
- Tested & certified to IEC 61914:2016 Cable Cleats for Electrical Installations
- Mechanical Strength from 15,000N to 23,900N
- Conforms to EU 2011/65 EU (RoHS) & Reach directives

Part No	Cable Dia Range mm	Fixing Holes
500017	24-35	2 x M10
500053	33-46	2 x M12
500021	47-66	2 x M12
500016	67-82	2 x M12

Heavy Duty Composite Trefoil Cable Cleats - TRI Series

Premium range of 2 bolt Composite cable cleats suitable for single core cables in heavy industrial applications on cables systems with medium to high short circuit forces installed in trefoil formation.

Features & Benefits

- Suitable for indoor and outdoor applications
- Manufactured from fibreglass reinforced polyamide
- Stackable two bolt fixing design
- UV, weather resistant & flame resistant to UL94-VO
- Temperature Range -80C to +120C
- Tested & certified to IEC 61914:2016 Cable Cleats for Electrical Installations
- Mechanical Strength 40,000N to 65,000N
- Conforms to EU 2011/65 EU (RoHS) & Reach directives

Part No	Cable Dia Range mm	Fixing Holes
500008	25-40	2 x M14
500007	38-53	2 x M14
500006	53-66	2 x M14
500005	67-82	2 x M16
500004	82-98	2 x M16
500027	99-120	2 x M18
500028	121-145	2 x M18

Stainless Steel Trefoil Cable Cleats - Patriot

Premium range of stainless steel cable cleats suitable for single core cables in commercial and heavy industrial applications on cables systems with medium short circuit forces installed in trefoil formation.

Features & Benefits

- Suitable for indoor and outdoor applications
- Manufactured from 316L stainless steel with LSF liners
- Excellent corrosion resistance in the harshest environments
- Quick Installation with 1 fixing bolt to secure the 3 cables in place in trefoil formation
- Can be used with Triplex Cable Surround to accommodate the twisting of a Triplex cable
- Can be used in conjunction with intermediate cable restraints
- Tested & certified to BS EN61914:2016 Cable Cleats for Electrical Installations
- Short Circuit Tested to
  135kA Peak / 58.8kA rms at 300mm
  108kA Peak / 49.1kA rms at 600mm
  (0.1sec at 300mm & 600mm fixed cleat centres in trefoil formation)
- Temperature Range -50 C to 60 C
- 3 fixing holes ensuring product can be installed to most mounting surfaces

Part No	Cable Dia Range mm	Fixing Holes
SDSS019023	19-23	1 x M10 or 2 x M10
SDSS023028	23-28	1 x M10 or 2 x M10
SDSS027032	27-32	1 x M10 or 2 x M10
SDSS030035	30-35	1 x M10 or 2 x M10
SDSS033038	33-38	1 x M10 or 2 x M10
SDSS036042	36-42	1 x M10 or 2 x M10
SDSS040046	40-46	1 x M10 or 2 x M10
SDSS044050	44-50	1 x M10 or 2 x M10
SDSS048055	48-55	1 x M10 or 2 x M10
SDSS055062	55-62	1 x M10 or 2 x M10
SDSS059066	59-66	1 x M10 or 2 x M10
SDSS063070	63-70	1 x M10 or 2 x M10
SDSS067074	67-74	1 x M10 or 2 x M10
SDSS071078	71-78	1 x M10 or 2 x M10
SDSS074082	74-82	1 x M10 or 2 x M10
SDSS077085	77-85	1 x M10 or 2 x M10
SDSS082088	82-88	1 x M10 or 2 x M10
SDSS088096	88-96	1 x M10 or 2 x M10
SDSS096103	96-103	1 x M10 or 2 x M10
SDSS0103111	103-111	1 x M10 or 2 x M10
SDSS111119	111-119	1 x M10 or 2 x M10
SDSS0119128	119-128	1 x M10 or 2 x M10

Stainless Steel Trefoil Cable Cleats - Sovereign

Premium range of stainless steel cable cleats suitable for single core cables in commercial and heavy industrial applications on cables systems with medium to high short circuit forces installed in trefoil formation.

Features & Benefits

- Suitable for indoor and outdoor applications
- Manufactured from 316L stainless steel with LSF liners
- Excellent corrosion resistance in the harshest environments
- Quick Installation with 1 fixing bolt to secure the 3 cables in place in trefoil formation
- Can be used with Triplex Cable Surround to accommodate the twisting of a Triplex cable
- Can be used in conjunction with intermediate cable restraints
- Tested & certified to BS EN61914:2016 Cable Cleats for Electrical Installations
- Short Circuit Tested to
  190kA Peak / 87.7kA rms at 300mm
  150kA Peak / 68.2kA rms at 600mm
  (0.1sec at 300mm & 600mm fixed cleat centres in trefoil formation)
- Temperature Range -50 C to 60 C
- 3 fixing holes ensuring product can be installed to most mounting surfaces

Part No	Cable Dia Range mm	Fixing Holes
HDSS019023	19-23	1 x M10 or 2 x M10
HDSS023028	23-28	1 x M10 or 2 x M10
HDSS027032	27-32	1 x M10 or 2 x M10
HDSS030035	30-35	1 x M10 or 2 x M10
HDSS033038	33-38	1 x M10 or 2 x M10
HDSS036042	36-42	1 x M10 or 2 x M10
HDSS040046	40-46	1 x M10 or 2 x M10
HDSS044050	44-50	1 x M10 or 2 x M10
HDSS048055	48-55	1 x M10 or 2 x M10
HDSS055062	55-62	1 x M10 or 2 x M10
HDSS059066	59-66	1 x M10 or 2 x M10
HDSS063070	63-70	1 x M10 or 2 x M10
HDSS067074	67-74	1 x M10 or 2 x M10
HDSS071078	71-78	1 x M10 or 2 x M10
HDSS074082	74-82	1 x M10 or 2 x M10
HDSS077085	77-85	1 x M10 or 2 x M10
HDSS082088	82-88	1 x M10 or 2 x M10
HDSS088096	88-96	1 x M10 or 2 x M10
HDSS096103	96-103	1 x M10 or 2 x M10
HDSS0103111	103-111	1 x M10 or 2 x M10
HDSS111119	111-119	1 x M10 or 2 x M10
HDSS0119128	119-128	1 x M10 or 2 x M10

Stainless Steel Multiple Cable Cleats – Cyclone System

Stainless steel universal cable cleat system designed to install single core cables in single, flat, trefoil or quad formation in commercial and heavy industrial applications on cables systems with medium to high short circuit forces.

Features & Benefits

- Suitable for indoor and outdoor applications
- Designed for versatility to accommodate all installed cable formations
- Available in 3 versions (Cyclone I, II & III) dependent on the application and resistance to short circuit forces required
- Manufactured from 316L stainless steel with lightweight 5000 series Aluminium base
- To order Cyclone II or Cyclone III product please insert a 2 or 3 in front of the stated part number
- Standard Liners are LSF and LUL Approved
- 3 fixing holes ensuring product can be installed to most mounting surfaces.
- Can be used in conjunction with intermediate cable restraints
- Tested & certified to BS EN61914:2016 Cable Cleats for Electrical Installations
- Short Circuit Tested to
  Cyclone I
  124kA Peak / 56.3kA rms at 300mm
  Cyclone II
  151kA Peak / 68.6kA rms at 300mm
  120kA Peak / 54.5kA rms at 600mm
  Cyclone III
  180kA Peak / 81.8kA rms at 300mm
  135kA Peak / 61.4kA rms at 600mm
  (0.1sec at 300mm & 600mm fixed cleat centres in trefoil formation)
- Temperature Range -50 C to 40 C
- UL 94 VO High Temperature Liners are available on request

Part No	Cyclone System	Cable Dia Range mm			Fixing Holes
		Single	Trefoil	Quad	
CYC024034	Cyclone I	36-50	24-34	21-29	1 x M12 or 2 x M10
CYC030041	Cyclone I	46-60	30-41	26-35	1 x M12 or 2 x M10
CYC037047	Cyclone I	55-69	37-47	32-40	1 x M12 or 2 x M10
CYC043054	Cyclone I	64-80	43-54	37-46	1 x M12 or 2 x M10
CYC050060	Cyclone I	75-88	50-60	43-51	1 x M12 or 2 x M10
CYC056067	Cyclone I	83-99	56-67	49-57	1 x M12 or 2 x M10
CYC063073	Cyclone I	94-108	63-73	55-62	1 x M12 or 2 x M10
CYC069080	Cyclone I	103-118	69-80	60-68	1 x M12 or 2 x M10
CYC072085	Cyclone I	114-150	72-85	66-72	1 x M12 or 2 x M10
CYC082095	Cyclone I	145-165	82-95	70-81	1 x M12 or 2 x M10
CYC092105	Cyclone I		92-105	70-81	1 x M12 or 2 x M10
CYC102115	Cyclone I		102-115	88-98	1 x M12 or 2 x M10
CYC112125	Cyclone I		112-125	96-107	1 x M12 or 2 x M10
CYC122135	Cyclone I		122-135	105-116	1 x M12 or 2 x M10
CYC132145	Cyclone I		132-145	113-124	1 x M12 or 2 x M10

Nylon Triplex Cable Surround

A polymer triplex cable surround that has been designed to be install triplex cables inside cable cleats.

Features & Benefits

- Manufactured from a low smoke zero halogen (LSZH) polmer compound
- The Triplex cable surround has been designed to move with the twist of triplex cables
- The Triplex cable surround can be installed inside the Patriot and Sovereign cleats (see below) dependent on the resistance to short circuit forces required

Part Number	Cable Dia Range mm
STF31	28-34
STF36	33-39
STF43	39-47
STF51	47-55

C Clamp Channel Clip

C Clamp Channel clip that has been designed to fix cable cleats to cable ladder and cable strut.

Features & Benefits

- Manufactured out of 316L Stainless Steel
- Can be fixed at a single M12 & two M10 fixing points within the C Clamp Channel Clip design

Part No	Application
CC-CMP	Cable Ladder / Strut

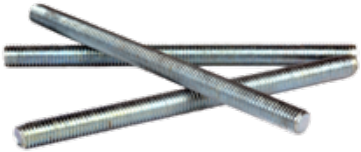
Wire Mesh Basket Clip

Wire Mesh Cable Basket Clip that has been designed to fix cable cleats to cable basket.

Features & Benefits

- Manufactured out of 316L Stainless Steel
- Can be fixed at a single M12 & two M10 fixing points within the C Clamp Channel Clip design

Part No	Application
WBC-CMP	Cable Wire Basket



Threaded Rod

A range of pre cut threaded rods which are used to install cable cleats onto cable tray and cable ladder.

Features & Benefits

- Installed with washers and nuts
- Other sizes available on request

Part No	Material	Size	Length
CLTR1	BZP	M10	85
CLTR2	BZP	M10	100
CLTR3	BZP	M10	125
CLTR4	BZP	M10	150
CLTR5	BZP	M10	200
CLTR6	BZP	M10	225

Nuts

A range of nuts which are used to install cable cleats onto cable tray and cable ladder.

Features & Benefits

- Installed with threaded rod and washers
- Other sizes available on request

Part No	Material	Size
CLN1	Brass	M8
CLN2	Brass	M10
CLN3	Brass	M12
CLN4	Zinc plated	M8
CLN5	Zinc plated	M10
CLN6	Zinc plated	M12

Flat & Spring Washers

A range of flat and spring washers which are used to install cable cleats onto cable tray and cable ladder.

Features & Benefits

- Installed with threaded rod and nuts
- Other sizes available on request

Part No	Material	Type	Size
CLFW1	Zinc plated	Flat	M8
CLFW2	Zinc plated	Flat	M10
CLFW3	Zinc plated	Flat	M12
CLSW4	Zinc plated	Spring	M8
CLSW5	Zinc plated	Spring	M10
CLSW6	Zinc plated	Spring	M12

Channel Nuts

A range of channel nuts which are used to install cable cleats onto cable tray and cable ladder.

Features & Benefits

- Installed with threaded rods, washers and nuts
- Other sizes available on request

Part No	Material	Type	Size
CLCNS1	BZP	Short	M8
CLCNS2	BZP	Short	M10
CLCNS3	BZP	Short	M12
CLCNL1	BZP	Long	M8
CLCNL2	BZP	Long	M10
CLCNL3	BZP	Long	M12

Cable Lugs & Connectors

Contents

Ring Terminals

Pre-Insulated ring terminals range that is designed to connect small LV cables via the ring and funnel entry.

Features & Benefits

- Electro tin plated high conductivity copper
- Excellent resistance to corrosion
- Available in red, blue and yellow
- Insert palm size to complete the part number

Part No	Size	Colour	Palm Hole Size**
PIR-R-**	0.5 - 1.0	Red	2.5, 3, 3.5, 4, 5, 6, 8, 10
PIR-B-**	1.5 - 2.5	Blue	3, 3.5, 4, 5, 6, 8, 10
PIR-Y-**	4.0 - 6.0	Yellow	4, 5, 6, 8, 10

Butt Splices

Pre-Insulated butt splice range that is designed to connect small LV cables with straight through connection with funnel entry.

Features & Benefits

- Electro tin plated high conductivity copper
- Excellent resistance to corrosion
- Available in red, blue and yellow

Part No	Size	Colour
PIB-R	0.5 - 1.5	Red
PIB-B	1.5 - 2.5	Blue
PIB-Y	4.0 - 6.0	Yellow

Pin Terminals

Pre-Insulated pin terminals range that is designed to connect small LV cables via the pin and funnel entry.

Features & Benefits

- Electro tin plated high conductivity copper
- Excellent resistance to corrosion
- Available in red, blue and yellow
- Insert pin length to complete the part number

Part No	Size	Colour	Pin Length**
PIP-R-**	0.5 - 1.5	Red	6, 10
PIP-B-**	1.5 - 2.5	Blue	6.5, 10, 16
PIP-Y-**	4.0 - 6.0	Yellow	11

Fork Terminals

Pre-insulated fork terminal range that is designed to connect small LV cables via the fork and funnel entry.

Features & Benefits

- Electro tin plated high conductivity copper
- Excellent resistance to corrosion
- Available in red, blue and yellow
- Insert fork length to complete the part number

Part No	Size	Colour	Blade Length**
PIF-R-**	0.5 - 1.0	Red	16.5, 17.5, 18.5, 20.5
PIF-B-**	1.5 - 2.5	Blue	17.5, 18.5, 20.5, 22.5
PIF-Y-**	4.0 - 6.0	Yellow	20.5, 21.5, 22.5, 25.5, 27.5

LV Standard Tinned Copper Crimp Lugs

A premium range of tinned copper crimp lugs that are designed to be crimped onto copper LV cables to facilitate the termination of the cable via the lug hole.

Features & Benefits

- Copper lugs are electrolytically tin plated to avoid oxidation and prevent corrosion
- Each lug has a sight hole for visual inspection of the conductor inserted
- Simple cable entry due to flare tube
- Crimp dies and installation tooling available on request
- Other lug sizes to suit larger and smaller cables available on request

Part No	Size	Palm Hole Size **
CL6-FMS**	6	4,5,6,8,10,12
CL10-FMS**	10	4,5,6,8,10,12
CL16-FMS**	16	5,6,8,10,12
CL25-FMS**	25	5,6,8,10,12,14
CL35-FMS**	35	6,8,10,12,14,16,20
CL50-FMS**	50	6,8,10,12,14,16
CL70-FMS**	70	6,8,10,12,14,16
CL95-FMS**	95	8,10,12,14,16,20
CL120-FMS**	120	8,10,12,14,16,20
CL150-FMS**	150	8,10,12,14,16,20
CL185-FMS**	185	10,12,14,16,20
CL240-FMS**	240	10,12,14,16,20
CL300-FMS**	300	12,14,16,20
CL400-FMS**	400	12,14,16,20
CL500-FMS**	500	16,20
CL630-FMS**	630	16,20

LV Narrow Palm Tinned Copper Crimp Lugs

A premium range of tinned copper crimp lugs that are designed to be crimped onto copper LV cables to facilitate the termination of the cable via the lug hole into reduced spaced terminal blocks.

Features & Benefits

- Copper lugs are electrolytically tin plated to avoid oxidation and prevent corrosion
- Reduced palm width for narrow applications
- Crimp dies and installation tooling available on request
- Other lug sizes to suit larger and smaller cables available on request

Part No	Palm Width	Size	Palm Hole Size **
NPCL35-**	15	35	6
NPCL50-**	15/17	50	6,8,10
NPCL70-**	17/19	70	6,8,10,12
NPCL95-**	19	95	6,8,10,12
NPCL120-**	19	120	6,8,10,12
NPCL150-**	19	150	6,8,10,12
NPCL185-**	24.5/31	185	10,12,16
NPCL240-**	31	240	10,12,16
NPCL300-**	31	300	10,12,16

LV 45° Angle Tinned Copper Crimp Lugs

A premium range of 45° angled tinned copper crimp lugs that are designed to be crimped onto copper LV cables to facilitate the termination of the cable via the lug hole for angled connections.

Features & Benefits

- Copper lugs are electrolytically tin plated to avoid oxidation and prevent corrosion
- Angled cable lugs for offset connections
- Crimp dies and installation tooling available on request
- Other lug sizes to suit larger and smaller cables available on request

Part No	Size	Palm Hole Size **
CL6-A1-**	6	5,6,8,10,12
CL10-A1-**	10	5,6,8,10,12
CL16-A1-**	16	5,6,8,10,12
CL25-A1-**	25	5,6,8,10,12,14
CL35-A1-**	35	5,6,8,10,12,14,16
CL50-A1-**	50	5,6,8,10,12,14,16,20
CL70-A1-**	70	6,8,10,12,14,16,20
CL95-A1-**	95	8,10,12,14,16,20
CL120-A1-**	120	8,10,12,14,16,20
CL150-A1-**	150	8,10,12,14,16
CL185-A1-**	185	10,12,14,16,20
CL240-A1-**	240	10,12,14,16,20
CL300-A1-**	300	12,14,16,20
CL400-A1-**	400	12,14,16,20

LV 90° Angle Tinned Copper Crimp Lugs

A premium range of 90° angled tinned copper crimp lugs that are designed to be crimped onto copper LV cables to facilitate the termination of the cable via the lug hole for vertical connections.

Features & Benefits

- Copper lugs are electrolytically tin plated to avoid oxidation and prevent corrosion
- Right Angled cable lugs for vertical connections
- Crimp dies and installation tooling available on request
- Other lug sizes to suit larger and smaller cables available on request

Part No	Size	Palm Hole Size **
CL6-A2-**	6	5,6,8,10,12
CL10-A2-**	10	5,6,8,10,12
CL16-A2-**	16	5,6,8,10,12
CL25-A2-**	25	5,6,8,10,12,14
CL35-A2-**	35	5,6,8,10,12,14,16
CL50-A2-**	50	5,6,8,10,12,14,16,20
CL70-A2-**	70	6,8,10,12,14,16,20
CL95-A2-**	95	8,10,12,14,16,20
CL120-A2-**	120	8,10,12,14,16,20
CL150-A2-**	150	8,10,12,14,16
CL185-A2-**	185	10,12,14,16,20
CL240-A2-**	240	10,12,14,16,20
CL300-A2-**	300	12,14,16,20
CL400-A2-**	400	12,14,16,20

LV 2 Hole Tinned Copper Crimp Lugs

A premium range of 2 hole tinned copper crimp lugs that are designed to be crimped onto copper LV cables to facilitate the termination of the cable via the 2 lug holes.

Features & Benefits

- Copper lugs are electrolytically tin plated to avoid oxidation and prevent corrosion
- 2 hole lug hole design to ensure secure connection of cable to equipment
- Flat contact surface by special pressing technique
- Precise machining for easy cable insertion
- Crimp marking for correct crimping
- Crimp dies and installation tooling available on request
- Other sizes available on request

Part No	Size	Palm Hole Size	Distance between holes mm
CLS35-2-FMS**	35	8,10,12	44.5
CLS50-2-FMS**	50	6,8,10,	44.5
CLS70-2-FMS**	70	8,10,12	44.5
CLS95-2-FMS**	95	8,10,12,14	44.5
CLS120-2-FMS**	120	8,10,12,14,16	44.5
CLS150-2-FMS**	150	10,12,14,16	44.5
CLS185-2-FMS**	185	10,12,14,16	44.5
CLS240-2-FMS**	240	10,12,14,16	44.5
CLS300-2-FMS**	300	12,14,16	44.5
CLS400-2-FMS**	400	12,14,16	44.5
CLS500-2-FMS**	500	12,14,16	44.5
CLS630-2-FMS**	630	12,16	44.5

LV Tinned Copper Crimp Splice

A premium range of tinned copper crimp splices that are designed to be crimped onto same size copper LV cables to facilitate a straight connection.

Features & Benefits

- Copper splices are electrolytically tin plated to avoid oxidation and prevent corrosion
- Chamfered barrel for easy cable insertion
- Crimp dies and installation tooling available on request
- Other splice sizes to suit larger and smaller cables available on request

Part No	Size	Connector Length
CS10	10	55
CS16	16	55
CS25	25	70
CS35	35	85
CS50	50	85
CS70	70	105
CS95	95	105
CS120	120	105
CS150	150	125
CS185	185	125
CS240	240	145
CS300	300	145
CS400	400	210
CS500	500	210
CS630	630	230

LV Standard Aluminium Crimp Lugs

A premium range of aluminium crimp lugs that are designed to be crimped on to aluminium LV cables to facilitate the termination of the cable via the lug hole.

Features & Benefits

- Manufactured from 99.95% pure aluminium
- Each lug has a sight hole for visual inspection of the conductor inserted
- Crimp dies and installation tooling available on request
- Other lug sizes to suit larger and smaller cables available on request

Part No	Size	Palm Hole Size **
AL10-MS**	10	6,8
AL16-MS**	16	8,10
AL25-MS**	25	8,10
AL35-MS**	35	10,12
AL50-MS**	50	10,12
AL70-MS**	70	10,12
AL95-MS**	95	10,12,16
AL120-MS**	120	12,16
AL150-MS**	150	12,16,20
AL185-MS**	185	12,16,20
AL240-MS**	240	12,16,20
AL300-MS**	300	16,20
AL400-MS**	400	16,20

LV Aluminium Crimp Splice

A premium range of aluminium crimp splices that are designed to be crimped on to same size aluminium LV cables to facilitate a straight connection.

Features & Benefits

- Manufactured from 99.95% pure aluminium
- Chamfered barrel for easy cable insertion
- Crimp dies and installation tooling available on request
- Other splice sizes to suit larger and smaller cables available on request

Part No	Size	Connector Length	Connector Length for non-barrier standard version
AS10	10	21	55
AS16	16	26	55
AS25	25	29	70
AS35	35	32	85
AS50	50	38	85
AS70	70	42	105
AS95	95	48	105
AS120	120	52	105
AS150	150	56	125
AS185	185	65	125
AS240	240	75	145
AS300	300	–	145
AS400	400	–	210
AS500	500	–	210

LV Standard Stainless Steel Copper Crimp Lugs

A premium range of Stainless Steel crimp lugs that are designed to be crimped onto LV cables to facilitate the termination of the cable via the lug hole in the harshest environments.

Features & Benefits

- Manufactured from high quality V2A stainless steel
- Can be used in temperatures upto 400C
- Each lug has a sight hole for visual inspection of the conductor inserted
- Crimp dies and installation tooling available on request
- Other lug sizes to suit larger and smaller cables available on request

Part No	Size	Palm Hole Size **
SSL10-MS**	10	5,6,8
SSL16-MS**	16	5,6,8
SSL25-MS**	25	6,8
SSL35-MS**	35	6,8
SSL50-MS**	50	6,8,10,12
SSL70-MS**	70	8,10,12,16
SSL95-MS**	95	8,10,12

LV Stainless Steel Crimp Splice

A premium range of stainless steel crimp splices that are designed to be crimped onto same size LV cables to facilitate a straight connection in the harshest environments.

Features & Benefits

- Manufactured from high quality V2A stainless steel
- Can be used in temperatures upto 400C
- Chamfered barrel for easy cable insertion
- Crimp dies and installation tooling available on request
- Other splice sizes to suit larger and smaller cables available on request

Part No	Size	Connector Length
AS1	1	25
AS2	2.5	25
AS6	6	25
AS10	10	25
AS16	16	30
AS25	25	35
AS35	35	40
AS50	50	45
AS70	70	50
AS95	95	55

LV Standard Bi-Metallic Crimp Lugs

A premium range of bi-metallic crimp lugs that are designed to be crimped onto aluminium LV cables to facilitate a termination via the lug hole onto copper connections.

Features & Benefits

- Manufactured from E-Aluminium and Copper to EN13600
- Barrier design with oil stop and solid copper palm
- Crimp dies and installation tooling available on request
- Other lug sizes to suit larger and smaller cables available on request

Part No	Size	Palm Hole Size **
BML16-**	16	8,10
BML25-**	25	8,10,12
BML35-**	35	8,10,12
BML50-**	50	8,10,12
BML70-**	70	10,12
BML95-**	95	10,12,16
BML120-**	120	12,16
BML150-**	150	12,16,20
BML185-**	185	10,12,16,20
BML240-**	240	10,12,16,20
BML300-**	300	12,16,20
BML400-**	400	12

LV Bi-Metallic Copper Eye Crimp Lugs

A premium range of bi-metallic copper eye crimp lugs that are designed to be crimped onto non tension aluminium LV cables to facilitate a termination via the lug hole onto copper connections.

Features & Benefits

- Manufactured from E-Aluminium and Copper eyelet in screw in section
- Barrier design with oil stop and solid copper palm
- Crimp dies and installation tooling available on request
- Other lug sizes to suit larger and smaller cables available on request

Part No	Size	Palm Hole Size **
BMEL10-**	10	6,8
BMEL16-**	16	8,10
BMEL25-**	25	8,10
BMEL35-**	35	10,12
BMEL50-**	50	10,12
BMEL70-**	70	10,12
BMEL95-**	95	10,12,16
BMEL120-**	120	12,16
BMEL150-**	150	12,16,20
BMEL185-**	185	12,16,20
BMEL240-**	240	12,16,20
BMEL300-**	300	16,20
BMEL400-**	400	16,20

MV Standard Tinned Copper Crimp Lugs

A premium range of tinned copper crimp lugs that are designed to be crimped onto copper MV cables to facilitate the termination of the cable via the lug hole.

Features & Benefits

- Copper lugs are electrolytically tin plated to avoid oxidation and prevent corrosion
- Cable lugs are rated upto 11kV when installed in isolation
- Simple & safe connection due to flat contact surfaces and internal chamfer
- Crimp dies and installation tooling available on request
- Other lug sizes to suit larger and smaller cables available on request

Part No	Size	Palm Hole Size **
MVCL6-MS**	6	5,6,8
MVCL10-MS**	10	5,6,8
MVCL16-MS**	16	6,8,10,12
MVCL25-MS**	25	6,8,10,12
MVCL35-MS**	35	6,8,10,12,14
MVCL50-MS**	50	8,10,12,14,16
MVCL70-MS**	70	8,10,12,14,16
MVCL95-MS**	95	8,10,12,14,16
MVCL120-MS**	120	10,12,14,16,20
MVCL150-MS**	150	10,12,14,16,20
MVCL185-MS**	185	10,12,14,16,20
MVCL240-MS**	240	12,14,16,20
MVCL300-MS**	300	14,16,20
MVCL400-MS**	400	14,16,20
MVCL500-MS**	500	16,20
MVCL625-MS**	625	16,20
MVCL800-MS**	800	16,20
MVCL1000-MS**	1000	16,20

MV Tinned Copper Crimp Splice

A premium range of tinned copper crimp splices that are designed to be crimped onto same size copper MV cables to facilitate a straight connection.

Features & Benefits

- Copper lugs are electrolytically tin plated to avoid oxidation and prevent corrosion
- Cable lugs are rated upto 11kV when installed in isolation
- Barrier design with oil stop
- Crimp dies and installation tooling available on request
- Other splice sizes to suit larger and smaller cables available on request

Part No	Size	Connector Length
MVCS25	25	60
MVCS35	35	60
MVCS50	50	65
MVCS70	70	65
MVCS95	95	90
MVCS120	120	90
MVCS150	150	105
MVCS185	185	105
MVCS240	240	125
MVCS300	300	125
MVCS400	400	160

LV Brass Offset Palm Earth Lug

This range of LV brass offset palm earth lugs are designed to connect the copper wire screens on standard polymeric cables either individually or as a bunched connection as part MV cable joint kit.

Features & Benefits

- Use as part of an MV joint kit or as an earthing connection
- Suitable for indoor or outdoor use
- Solid brass construction
- Good corrosion resistance
- Range taking designs
- Tested in accordance with IEC 61238

Part No	Palm Hole	Range (Solid)	Range (Stranded)
EAFIT127	12	6 - 35	6 - 35
ML4/12-12	12	16 - 120	6 - 95
ML4/12-16	16	16 - 120	6 - 95
ML4/13-16	16	35 - 150	35 - 120
ML4/14-12	12	16 - 95	6 - 70
ML4/14-16	16	16 - 95	6 - 70

LV Brass Straight Through Connectors

This range of LV brass straight through connectors are designed to connect the copper and alumunium conductors in MV cable joints.

Features & Benefits

- Use as part of an MV joint kit or as an earthing connection
- Suitable for indoor or outdoor use
- Solid brass construction
- Good corrosion resistance
- Range taking designs
- Tested in accordance with IEC 6123

Part No	Size Range	Type
MF4/1	6 - 16	Straight Through
MF4/3	6 - 16	Moisture blocked
MF4/2	16 - 50	Straight Through
MF4/4	16 - 50	Moisture blocked
MF4/9	16 - 70	Straight Through
MF4/10	16 - 70	Moisture blocked

LV Aluminium Mechanical Lugs

A premium range of LV Aluminium mechanical lugs that are designed to be connected onto a conductor without crimping to facilitate the connection to equipment via the lug hole.

Features & Benefits

- Suitable for Copper or Aluminium conductors
- Mechanical lugs are water tight and suitable for solid, sector, stranded and circular conductors
- Designed to meet BS 4579 part 3
- Shearbolt connectors with proven bolt tightening.
- Rated to 1kV
- Other sizes available on request

Part No	Size Range	Lug Hole
SAL1.27	6 - 50	8.5
SAL1.271	6 - 50	10.5
SAL1.272	6 - 50	13.0
SAL2.27	35 - 95	10.5
SAL2.272	35 - 95	13
SAL3.27	95 - 240	13
SAL3.272	95 - 240	17
SAL4.27	150 - 300	13
SAL4.27	150 - 300	17

LV Aluminium Straight Through Connectors

A premium range of LV Aluminium straight through connectors that are designed to connect conductors in a straight through formation.

Features & Benefits

- Suitable for Copper or Aluminium conductors
- Mechanical connectors are water tight and suitable for solid, sector, stranded and circular conductors
- Designed to meet BS 4579 part 3
- Shearbolt connectors with proven bolt tightening
- Rated to 1kV
- Other sizes available on request

Part No	No of Shearbolts	Size Range
SLJ1.27	2	6 - 50
SLJ1.47	4	6 - 50
SLJ2.27	2	35 - 95
SLJ2.47	4	35 - 95
SLJ3.47	4	95 - 240
SLJ4.47	4	150 - 300

MV Aluminium Mechanical Lugs

A premium range of MV Aluminium mechanical lugs that are designed to be connected onto a conductor without crimping to facilitate the connection to equipment via the lug hole.

Features & Benefits

- Design has up to 30% more contact force than conventional type terminals
- Manufactured from tin plated Aluminium alloy
- Suitable for Copper or Aluminium conductors
- Mechanical lugs are water blocked and suitable for solid, sector, stranded and circular conductors
- Smooth breakage of the shear bolt simplifies tightening process
- Other sizes available on request

Part No	Palm Hole	Range (Solid AL)	Range (Strand CU)
332-604-010	12	10-95	10-95
332-599-010	12	25-150	25-150
332-599-011	16	25-150	25-150
332-595-010	12	50-240	50-185
332-595-011	16	50-240	50-185
332-605-010	12	95-400	95-300
332-605-011	16	95-400	95-300
332-625-010	12	185-500	185-400
332-625-011	16	185-500	185-400
332-606-010	12	300-800	300-630
332-606-011	16	300-800	300-630

MV Aluminium Mechanical Connectors

A premium range of MV Aluminium mechanical connectors that are designed to be connect conductors in a straight through formation.

Features & Benefits

- Design has up to 30% more contact force than conventional type terminals
- Manufactured from tin plated Aluminium alloy
- Suitable for Copper or Aluminium conductors
- Mechanical connectors are water blocked and suitable for solid, sector, stranded and circular conductors
- Smooth breakage of the shear bolt simplifies tightening process
- Other sizes available on request

Part No	Range (Solid AL)	Range (Strand CU)
332-601-010	10-95	10-95
332-607-010	25-150	25-150
332-593-010	25-150	25-150
332-592-010	50-240	50-185
332-614-010	50-240	50-240
332-632-010	70-400	70-240
332-602-010	95-400	95-300
332-617-010	185-500	185-400
332-603-010	300-800	300-630

LV Joints Insulation & Accessories

Contents

LV Inline Resin Joints

This range of LV resin joints are designed to connected LV XLPE/PVC power cables together in a straight connection encapsulated in resin for mechanical protection.

Features & Benefits

- Designed to meet the requirements of BS EN 50393
- Suitable for 1, 2, 3 & 4 Core Cables
- Rated to 1kV for 4 Core armoured cables
- Transparent joint shell aid correct installation
- 2 Part Polyurethane resin gives superior mechanical protection
- Wide Shells to accommodate easier connection when crossing cores
- Resin has unlimited shelf life
- Kit contents includes: Joint shell set, Tinned copper braid, Mechanical connector, Polyurethane resin, PVC tape, Core separators, Polythene gloves, Jointing instructions
- Please contact the sales office for LV inline joints for unarmoured cables

Part No	Cable Range	No of Cores
ST6	1.5-6	4
ST16	10-16	4
ST35/70	25-70	4
ST120	95-120	4
ST185	150-185	4
ST300	185-300	4

LV Branch Resin Joints

This range of LV resin joints are designed to connected LV XLPE/PVC power cables together in a branch formation encapsulated in resin for mechanical protection.

Features & Benefits

- Designed to meet the requirements of BS EN 50393
- Rated to 1kV for 4 Core armoured cable
- Transparent joint shell aid correct installation
- 2 Part Polyurethane resin gives superior mechanical protection
- Wide Shells to accommodate easier connection when crossing cores
- Resin has unlimited shelf life
- Kit contents includes: Joint shell set, Tinned copper braid, Mechanical connectors, Polyurethane resin, PVC tape, Core separators, Polythene gloves, Jointing instructions
- Please contact the sales office for LV branch joints for unarmoured cables

Part No	Cable Range	No of Cores
MB6	1.5-6	4
MB16	10-16	4
MB35	25-35	4
MB70	50-70	4
MB120	95-150	4
MB300	185-300	4

LV Heatshrink Joints-2-4 Core SWA

A range of LV heatshrink inline cable joints designed to join 2 to 4 core steel wire armoured cables upto 1kV in indoor, outdoor and buried environments.

Features & Benefits

- Can be use installed in confined area indoors on cable management systems or on vertical or horizontal runs
- Mechanical durability equal to the cable
- Resistant to chemicals, UV light and waterproof
- Unlimited shelf life
- Designed to comply with BS EN50393 & Cenelec HD 623 S1
- Suitable for use with slimline mechanical connectors
- Kit contents : Thick wall outer protection tube with adhesive sealing, medium wall core insulation tubes, mastic sealant tubes, earth continuity, constant force springs/worm drive clamps & armour support rings

Part No	Cable Dia mm	Length mm	Earth Continuity	Connectors
RHJA-1X-1.5-2.5-X	1.5-2.5	200-330	Tinned Copper Mesh/Braid	Insulated Crimp Included
RHJA-1X-4-6-X	4-6	250	Tinned Copper Mesh/Braid	Connectors Optional
RHJA-1X-10-16-X	10-16	500	Tinned Copper Mesh/Braid	Connectors Optional
RHJA-1X-25-50-X	25-50	600	Tinned Copper Mesh/Braid	Connectors Optional
RHJA-1X-70-120-X	70-120	600	Aluminium Cage	Connectors Optional
RHJA-1X-120-185-X	120-185	800	Aluminium Cage	Connectors Optional
RHJA-1X-240-400-X	240-400	1000	Aluminium Cage	Connectors Optional

LV Heatshrink Joints-1 Core AWA

A range of LV heatshrink inline cable joints designed to join 1 core aluminium wire armoured cables upto 1kV in indoor, outdoor and buried environments.

Features & Benefits

- Can be use installed in confined area indoors on cable management systems or on vertical or horizontal runs
- Mechanical durability equal to the cable
- Resistant to chemicals, UV light and waterproof
- Unlimited shelf life
- Designed to comply with BS EN50393 & Cenelec HD 623 S1
- Suitable for use with slimline mechanical connectors
- Kit contents: Thick wall outer protection tube with adhesive sealing, medium wall core insulation tubes, mastic sealant tubes, earth continuity, constant force springs/worm drive clamps & armour support rings

Part No	Cable Dia mm	Length mm	Earth Continuity	Connectors
RHJA-1X-50-95-1	50-95	500	Tinned Copper Mesh/Braid	Insulated Crimp Included
RHJA-1X-120-185-1	120-185	600	Tinned Copper Mesh/Braid	Connectors Optional
RHJA-1X-240-300-1	240-300	650	Tinned Copper Mesh/Braid	Connectors Optional
RHJA-1X-400-630-1	400-630	700	Tinned Copper Mesh/Braid	Connectors Optional

Thin Wall Heatshrink Tubing

A range of thin wall heathrink tubing that is designed for general applications which include insulation and cable marking where medium or thick wall heatshrink is not required.

Features & Benefits

- The heatshrink tubes are made from thermally stabilized cross linked polymeric material
- Shrink ratio 2:1
- Excellent resistance to chemicals
- UL Approved
- Available in black as standard but also available in clear, red, yellow, blue, white, green, brown, grey & green/ yellow
- Other sizes available on request

Part No	Shrink Ratio	Wall Thickness
HS6.4	6.4-3.2	0.56
HS9.6	9.6-4.8	0.56
HS12.7	12.7-6.35	0.56
HS19	19-10	0.69
HS25	25-13	0.76
HS32	32-16	0.86
HS38	38-19	0.86
HS51	51-26	0.97
HS76	76-38	1.07
HS101	101-51	1.17

Medium Wall Heatshrink Tubing

A range of medium wall heathrink tubing that is designed for electrical insulation, sealing and cable jacketing of low voltage power cables rated upto 1kV.

Features & Benefits

- The heatshrink tubes are made from thermally stabilized cross linked polymeric material
- UV & Weather resistant
- Dielectric Strength 200kV/cm
- Shrink Ratio 3 : 1
- Supplied in black as standard
- Available without adhesive lined sealing on request
- Available in other sizes on request

Part No	Cable Range mm	Thickness mm
RIMTA40/12	40-12	2.80
RIMTA52/16	52-16	3.00
RIMTA63/19	63-19	3.20
RIMTA80/22	80-22	3.20
RIMTA100/30	100-30	3.30
RIMTA120/34	120-34	3.30
RIMTA140/40	140-40	3.40
RIMTA160/50	160-50	3.60
RIMTA180/60	180-60	3.60

Thick Wall Heatshrink Tubing

A range of medium wall heatshrink tubing that is designed for electrical insulation, sealing and cable jacketing of low voltage power cables rated up to 1kV in underground applications.

Features & Benefits

- The heatshrink tubes are made from thermally stabilized cross linked polymeric material
- UV & Weather resistant
- Dielectric Strength 200kV/cm
- Shrink Ratio 3 : 1
- Supplied in black as standard
- Available without adhesive lined sealing on request
- Available in other sizes on request

Part No	Cable Range mm	Thickness mm
RIHTA40/12	40-12	4.00
RIHTA55/16	55-16	4.10
RIHTA65/19	65-19	4.20
RIHTA80/22	80-22	4.20
RIHTA100/30	100-30	4.40
RIHTA120/34	120-34	4.40
RIHTA140/37	140-37	4.50
RIHTA160/50	160-50	4.50
RIHTA180/60	180-60	4.50

Heatshrink Repair Sleeve

A range of heatshrink wrap around repair sleeve that is designed to provide fast and permanent cable repair and sealing solution and cable jacketing of medium voltage cables up to 36kV.

Features & Benefits

- The heatshrink tubes are made from thermally stabilized cross linked polymeric material
- UV & Weather resistant
- Halogen Free
- Dielectric Strength 120kV/cm
- Supplied in black as standard
- Available in other sizes on request

Part No	Shrink Ratio mm	Cable Dia mm	Thickness mm
RWRS43/08	43-08	12-25	2.0
RWRS52/10	52-10	15-35	2.0
RWRS76/22	76-22	20-50	2.0
RWRS100/30	100-30	30-70	2.0
RWRS139/38	139-38	40-90	2.0
RWRS185/55	185-55	60-120	2.0
RWRS210/55	210-55	80-150	2.0

EPDM Coldshrink Tubes

A range of EPDM coldshrink tubes that are designed for electrical insulation, sealing and cable jacketing of low voltage power cables rated up to 1kV in underground applications.

Features & Benefits

- The EPDM coldshrink tubes are pre-expanded onto a plastic spiral core and can be easily shrunk onto cables by pulling out the spiral core
- No heat or specialist tools required to shrink tubes
- Excellent electrical insulation properties
- UV & Waterproof
- Very good mechanical strength
- Resistant to acids & alkalis
- Shrink Ratio 2:1
- Available in black as standard
- Available in other sizes on request

Part No	Cable Range mm²	Thickness mm	Length mm
ESCT 70/35	32-63	3.5	600
ESCT 90/45	43-80	3.5	600
ESCT 104/45	43-94	3.5	250 / 600
ESCT 120/52	54-110	3.5	250 / 600

Silicone Coldshrink Tubes

A range of Silicone coldshrink tubes that are designed for electrical insulation, sealing and cable jacketing of low voltage power cables rated up to 1kV in underground applications.

Features & Benefits

- The Silicone coldshrink tubes are pre-expanded onto a plastic spiral core and can be easily shrunk onto cables by pulling out the spiral core
- No heat or specialist tools required to shrink tubes
- Excellent electrical insulation properties
- Resistance to flame propagation
- UV & Weatherproof
- Good mechanical strength
- Resistant to acids & alkalis
- Shrink Ratio 3:1
- Available in grey or black as standard
- Available in other sizes on request

Part No	Cable Range mm²	Thickness mm	Length mm	Colour
SCST 25/12	13-20	2.5	220	Grey
SCST 40/15	20-30	3.0	220 / 450	Grey
SCST 50/20	25-40	3.0	220 / 450	Grey
SCST 65/20	25-55	4.5	600 / 700	Black
SCST 80/24	25-70	4.5	600 / 700	Black
SCST 90/27	30-80	4.5	600 / 700	Black
SCST 80/24	55-140	4.5	650	Black

Heatshrink Cable Breakouts

A range of heatshrink cable breakouts designed to provide an environmental seal to the crutch of 4 core plastic and paper insulated cables rated up to 1.1kV.

Features & Benefits

- The heatshrink breakouts are made from thermally stabilized cross linked polymeric material and internally coated with mastic / hot melt adhesive
- UV & Weather resistant
- Suitable for use in temperatures between -30C and 70C
- Dielectric Strength 120kV/cm
- Supplied in black as standard
- Available in other sizes on request

Part No	Cable Range mm	Thickness	
		Tube mm	Breakout mm
EB4-28-09	28-09	2.2	1.7
EB4-35-15	35-15	2.5	1.8
EB4-47-23	47-23	4.0	3.0
EB4-60-25	60-25	4.2	2.5
EB4-78-36	78-36	3.9	3.0
EB4-95-36	95-36	3.5	3.0
EB4-117-36	117-36	3.5	3.0

Coldshrink Cable Breakouts

A range of coldshrink cable breakouts designed to provide an environmental seal to the crutch of 4 core plastic and paper insulated cables rated up to 1.1kV.

Features & Benefits

- The coldshrink breakouts are made from a silcone material
- Quick installation without need for special tools or heat
- Excellent thermal stability
- UV & weather resistant
- Supplied in grey as standard
- Available in other sizes on request

Part No	Cable Range mm	Thickness	
		Tube mm	Breakout mm
RCSBR-4-0820	50-20	4.0	3.0
RCSBR-4-0828	78-28	4.5	2.5
RCSBR-4-1435	100-35	3.5	2.5
RCSBR-4-2555	135-55	4.2	3.3

Heatshrink End Caps

A range of heatshrink cable end caps that designed to provide a moisture tight seal on all types of low and medium voltage cables for temporary storage.

Features & Benefits

- The heatshrink end caps are made from thermally stabilized cross linked polymeric material and internally coated with mastic / hot melt adhesive
- UV & Weather resistant
- Resistant to aggressive chemical and moisture
- Suitable for use in temperatures between -30C and +110C
- Supplied in black as standard

Part No	Shrink Range mm	Cable Range mm	Length mm	Thickness mm
EC26/11-45	26-11	23-12	45	2.8
EC42/15-165	42-15	38-17	165	3.2
EC62/25-165	62-25	56-28	165	4.2
EC75/34-190	75-34	68-37	190	4.0
EC105/45-105	105-45	95-50	105	3.5
EC145/71-120	145-71	131-78	120	4.6
EC200/90-160	200-90	180-99	160	5.0
EC310/120-220	310-120	280-140	220	5.0
EC400/204-220	400-204	380-230	220	5.0
EC500/200-220	500-200	480-230	220	5.0

Coldshrink End Caps

A range of coldshrink cable end caps that designed to provide a moisture tight seal on all types of low and medium voltage cables for temporary storage.

Features & Benefits

- The coldshrink end caps are made from a silcone material
- Quick installation without need for special tools or heat
- Excellent thermal stability
- UV & weather resistant
- Supplied in black as standard
- Available in other sizes on request

Part No	Shrink Range mm	Cable Range mm	Length mm	Thickness mm
CSEC20/12	19.5-9.4	17-12	97	2.7
CSEC28/16	27.9-12.6	24-17	98	2.6
CSEC55/23	56.1-19.1	45-25	100	2.5
CSEC20/12	78.5-44.0	75-46	100	2.8

Heatshrink Conductive End Caps

A range of heatshrink conductive cable end caps that designed to provide a moisture tight seal on all types of low and medium voltage with the added feature of neutralising any potential induced voltages from nearby live power cables or static charges withing the cables cores.

Features & Benefits

- The heatshrink end caps are made from thermally stabilized cross linked polymeric material which is internally coated with mastic / hot melt adhesive to provide a moisture tight seal and a conductive mastic coating in the base of the cap to ensure contact with the cables metallic parts
- UV & Weather resistant
- Resistant to aggressive chemical and moisture
- Suitable for use in temperatures between -30C and +110C
- Conforms to specifications IEC62329-3, ENATS 09-11, ROHS 2011/65/EU & 2015/863/EU
- Supplied in black as standard

Part No	Shrink Range	Cable Range mm²	Length mm	Thickness mm
ECC/042/15/105	42-15	15-38	105	3.2
ECC/055/25/145	55-25	25-50	145	4.2
ECC/075/34/160	75-34	34-70	160	3.5
ECC/105/45/160	45-100	45-100	160	3.5

Heatshrink Shorting End Cap Kits

A range of heatshrink shorting cable end cap kits that designed to leave any low or medium voltage cable in a safe condition where there is a risk of of accidental energisation.

Features & Benefits

- The heatshrink shorting end caps kits consist of heatshrink end cap made from thermally stabilized cross linked polymeric material which is internally coated with mastic / hot melt adhesive to provide a moisture tight seal, green heatshrink tubes, tinned copper braid and galvanised clout nails
- Suitable for single & multicore low medium voltage cables
- UV & Weather resistant
- Resistant to aggressive chemical and moisture
- Suitable for use in temperatures between -30C and +110C
- Conforms to specifications IEC62329-3, ENATS 09-11, ROHS 2011/65/EU & 2015/863/EU

Part No	Cable Range mm²	Cable Type
MC1	30-60	Multicore
MC2	55-80	Multicore
SC3	27-49	Single
SC4	41-70	Single

Heatshrink Busbar Insulating Tape

A range of heatshrink busbar insulating tape that designed to provide insulation enhancement and protection for copper or aluminium busbar sections up to 36kV.

Features & Benefits

- The heatshrink busbar insulation tape is dual layer of tape combining a heat shrinkable outer tape with excellent insulating and weathering properties with an inner hot melt adhesive to provide moisture tight sealing
- Suitable for indoor and outdoor applications
- Continuous operating temperature upto 90C
- Dielectric Strength 200kV/cm
- Unlimited Shelf Life
- Supplied in red as standard
- Available in 10m length as standard but other sizes on request

Part No	Width mm	Roll Dimensions mm	Weight kg
RTBM-25	25	110 x 25	0.29
RTBM-50	50	115 x 50	0.60
RTBM-100	100	130 x 100	1.20

Heatshrink Busbar Insulating Tubes

A range of heatshrink busbar insulating tubes that designed to provide insulation enhancement and protection for copper or aluminium busbar sections up to 36kV to prevent flashovers and accidentally induced discharge.

Features & Benefits

- The heatshrink busbar insulating tubes are made from thermally stabilized and cross linked polymeric material
- Suitable for indoor and outdoor applications
- UV & Weather resistant
- Shrink Ratio 3 : 1
- Dielectric Strength 190kV/cm
- Unlimited Shelf Life
- Supplied in red as standard

Part No	Shrink Range mm	Thickness mm	Spool Qty m
RIBT15/6	15-6	2.50	30
RIBT20/8	20-8	2.50	30
RIBT25/10	25-10	2.50	30
RIBT30/12	30-12	2.50	30
RIBT40/16	40-16	2.50	30
RIBT50/20	50-20	2.80	15
RIBT60/24	60-24	2.80	15
RIBT70/28	70-28	2.80	15
RIBT80/32	80-32	2.80	15
RIBT100/40	100-40	2.80	15
RIBT120/48	120-48	2.80	15

MV Joints

Contents

11kV Single Core Heat shrink Cable Joints – CWS/XLPE

A range of single core heat shrink straight joints designed to connect 11kv XLPE/EPR insulated cables compatible with both compression and mechanical connector types.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, tinned copper mesh, heat shrink outer protection and full jointing instruction
- Suitable for both XLPE and EPR insulated cables
- Can be used on the individual cores of an 11kV triplex cable
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJU 12X 25-70-1	25-70mm²	14.6-18.6mm
RHSJU 12X 95-185-1	95-185mm²	18.6-23.1mm
RHSJU 12X 185-300-1	185-300mm²	23.1-27.6mm
RHSJU 12X 300-630-1	300-630mm²	27.6-37.6mm
RHSJU 12X 630-1000-1	630-1000mm²	37.6-45.6mm

11kV Single Core Cold Shrink Cable Joints – CWS /XLPE

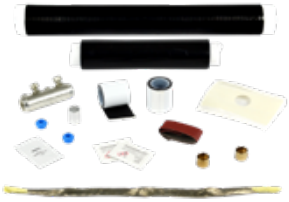
A range of single core cold shrink straight joints designed to connect 11kv XLPE/EPR insulated cables compatible with both compression and mechanical connector type.

Features & Benefits

- The kit includes mastics, tapes, cleaning materials, cold shrink insulating tubes, tubular copper net for shielding of the joint
- Easy installation, most critical components integrated in one body
- Spiral technology, easy to apply to a wide range of cables
- Integrated geometric stress control
- Joints complete with mechanical connector

Part No	Cable Cross Section	Min Dia over insulation
CJ11.2402C	35-95mm²	13.8mm
CJ11.2403C	95-240mm²	18.4mm
CJ11.2404C	240-400mm²	25.3mm

11kV Single Core Hybrid Cable Joints – CWS /XLPE



A range of single core hybrid straight joints designed to connect 11kv XLPE/EPR insulated cables compatible with both compression and mechanical connector types. These joints are designed to offer the speed and reliability of cold shrink technology while keeping the benefits of an adhesive lined heat shrink outer protection.

Features & Benefits

- The kit includes mastics, tapes, cleaning materials, cold shrink insulating tubes, tubular copper net for shielding of the joint and a heat shrink outer protection tube
- Suitable for both XLPE and EPR insulated cables
- Can be used on the individual cores of an 11kV triplex cable
- Joints complete with mechanical connector
- Integrated geometric stress control

Part No	Cable Cross Section	Min Dia over insulation
CJH11.2402C	35-95mm²	13.8mm
CJH11.2403C	95-240mm²	18.4mm
CJH11.2404C	240-400mm²	25.3mm
CJH11.2405C	400-630mm²	31.1mm
CJH11.2406C	630-1000mm²	36.8mm

11kV Single Core Heat shrink Cable Joints – CTS/AWA/XLPE

A range of single core heat shrink straight joints designed to connect 11kv XLPE/EPR insulated cables with a copper tape screen and aluminium wire armour. Compatible with both compression and mechanical connector types.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, earthing kit, armour cage, heat shrink outer protection and full jointing instruction
- Suitable for XLPE CTS AWA Cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJA 12X 25-70-1	25-70mm²	14.6-18.6mm
RHSJA 12X 95-185-1	95-185mm²	18.6-23.1mm
RHSJA 12X 185-300-1	185-300mm²	23.1-27.6mm
RHSJA 12X 300-630-1	300-630mm²	27.6-37.6mm
RHSJA 12X 630-1000-1	630-1000mm²	37.6-45.6mm

11kV Three Core Straight Resin Cable Joints – Universal

A three core universal resin filled straight joint complete with split bolt mechanical connectors designed to joint any combination of three core 11kv armoured cables.

Features & Benefits

- Each joint is complete to joint any combination of 3 core XLPE, PILC or PICAS cables
- Supplied with split bolt connectors for ease of installation
- Complete with resin for mechanical protection
- Build up kits available for smaller cable sizes
- Trifurcating module available for trif and trif/trans combinations

Part No	Cable Cross Section	Shell Volume
RHSJA-12PXU 70-185-3/R/SMC	70-185mm²	14 Litres
RHSJA-12PXU 185-300-3/R/SMC	185-300mm²	28 Litres

11kV Universal Straight Joint Build Up Kit

Build up kits designed to allow smaller cables to be connected in the universal 11kv straight joints.

Part No	Cable Cross Section	Compatible with
RHBUK-12X 25-50-3	25-50mm²	RHSJA-12PXU 70-185-3/R/SMC
RHBUK-12X 70-185-3	70-185mm²	RHSJA-12PXU 185-300-3/R/SMC

11kV Universal Straight Joint Trifurcating Module Kit

This extra module kit allows the ability to convert the RHSJA-12PXU 185-300-3/R/SMC universal straight joint to become a trifurcating or trifurcating transition joint.

Part No	Cable Cross Section	Cable Type	Compatible with
RHTK-J-12PXU 95-300	95-300mm²	Unarmoured	RHSJA-12PXU

11kV Three Core Heat shrink Cable Joints – CTS/SWA/XLPE

A range of three core heat shrink straight joints designed to connect 11kv XLPE insulated cables compatible with both compression and mechanical connector types.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, armour cage, conductive breakout, heat shrink outer protection and full jointing instruction
- Suitable for XLPE CTS SWA cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJA 12X 25-70-3	25-70mm²	14.6-18.6mm
RHSJA 12X 95-185-3	95-185mm²	18.6-23.1mm
RHSJA 12X 185-300-3	185-300mm²	23.1-27.6mm
RHSJA 12X 300-400-3	300-400mm²	27.6-37.6mm

11kV Three Core Heat shrink Cable Joints – CTS/LS/PILC

A range of three core heat shrink straight joints designed to connect 11kv PILC insulated cables compatible with both compression and mechanical connector types.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, Oil barrier tubes, conductive breakout, armour cage, heat shrink outer protection and full jointing instruction
- Suitable for PILC CTS SWA cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJA 12P 25-70-3	25-70mm²	14.6-18.6mm
RHSJA 12P 95-185-3	95-185mm²	18.6-23.1mm
RHSJA 12P 185-300-3	185-300mm²	23.1-27.6mm
RHSJA 12P 300-400-3	300-400mm²	27.6-37.6mm

11kV Transition Heat shrink Cable Joint – 1C/CWS/XLPE – 1C/CTS/AWA/XLPE

A range of heat shrink single core XLPE joints to connect single core unarmoured cable to single core aluminium wire armoured cables. All suitable for the use with compression or mechanical connectors.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, heat shrink outer protection and full jointing instruction
- Suitable for transition between armoured and unarmoured XLPE cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJA 12X 25-70-1	25-70mm²	14.6-18.6mm
RHSJA 12X 95-185-1	95-185mm²	18.6-23.1mm
RHSJA 12X 185-300-1	185-300mm²	23.1-27.6mm
RHSJA 12X 300-630-1	300-630mm²	27.6-37.6mm
RHSJA 12X 630-1000-1	630-1000mm²	37.6-45.6mm

11kV Transition Heat shrink Cable Joint – 1C/CWS/XLPE – 1C/CTS/LS/PILC

A range of heat shrink single core transition joints to connect single core unarmoured XLPE cable to single core PILC, Lead Sheath cables. All suitable for the use with compression or mechanical connectors.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, heat shrink outer protection and full jointing instruction
- Suitable for transition between XLPE and PILC unarmoured cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJU 12PX 25-70-1	25-70mm²	14.6-18.6mm
RHSJU 12PX 95-185-1	95-185mm²	18.6-23.1mm
RHSJU 12PX 185-300-1	185-300mm²	23.1-27.6mm
RHSJU 12PX 300-630-1	300-630mm²	27.6-37.6mm
RHSJU 12PX 630-1000-1	630-1000mm²	37.6-45.6mm

11kV Transition Heat shrink Cable Joint – 1C/CTS/AWA/XLPE – 1C/CTS/LS/PILC

A range of heat shrink single core transition joints to connect single core armoured (AWA) XLPE cable to single core PILC, Lead Sheath cables. All suitable for the use with compression or mechanical connectors.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, Oil barrier tube, Conductive tube, sealing mastic, Armour earthing, heat shrink outer protection and full jointing instruction
- Suitable for transition between XLPE and PILC unarmoured cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJA 12PX 25-70-1	25-70mm²	14.6-18.6mm
RHSJA 12PX 95-185-1	95-185mm²	18.6-23.1mm
RHSJA 12PX 185-300-1	185-300mm²	23.1-27.6mm
RHSJA 12PX 300-630-1	300-630mm²	27.6-37.6mm
RHSJA 12PX 630-1000-1	630-1000mm²	37.6-45.6mm

11kV Transition Heat shrink Cable Joint – 3C/CTS/SWA/XLPE – 3C/CTS/LS/PILC

A range of heat shrink three core transition joints to connect three core XLPE SWA cable to three core PILC, Lead Sheath cables. All suitable for the use with compression or mechanical connectors.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, Armour earthing, Oil barrier tube, Conductive tube, conductive breakout, heat shrink outer protection and full jointing instruction
- Suitable for transition between XLPE and PILC cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJA 12PX 25-70-3	25-70mm²	14.6-18.6mm
RHSJA 12PX 95-185-3	95-185mm²	18.6-23.1mm
RHSJA 12PX 185-300-3	185-300mm²	23.1-27.6mm
RHSJA 12PX 300-400-3	300-400mm²	27.6-37.6mm

11kV Trifurcating Heat shrink Cable Joint – 3C/SWA/CTS /XLPE – 1C/CWS/XLPE

A range of heat shrink trifurcating joints to connect three core XLPE SWA cables to single core unarmoured or Triplex Cables. All joints are suitable for both compression or mechanical connectors.

Features & Benefits

- The trifurcating joints comprises of stress control tube, insulating tube, stress grading mastic, armour earthing kit, sealing mastics, 3 core breakout and heavy wall heat shrink corrosion protection tube
- Suitable for three core cables to single core cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Options available for single core armoured cables - contact office for further info
- Certified and Tested to CENELEC HD 629.1, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Voltage
RHTJU 12X 25-70	25-70mm²	11kv
RHTJU 12X 95-185	95-185mm²	11kv
RHTJU 12X 185-300	185-300mm²	11kv
RHTJU 12X 400-630	400-630mm²	11kv

11kV Trifurcating Transition Heat shrink Cable Joint - 3C/CTS/LS/PILC – 1C/CWS/XLPE

A range of heat shrink trifurcating transition joints to connect three core PILC, Lead Sheath cables to single core unarmoured or Triplex Cables. All joints are suitable for both compression or mechanical connectors.

Features & Benefits

- The trifurcating transition joints comprises of stress control tube, insulating tube, stress grading mastic, armour earthing kit, Oil barrier tube, sealing mastics, 3 core breakout and heavy wall heat shrink corrosion protection tube
- Suitable for three core cables to single core cables
- Small range covers wide cable cross sections
- Options available for single core armoured cables - contact office for further info
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Voltage
RHTJU 12PX 25-70	25-70mm²	11kv
RHTJU 12PX 95-185	95-185mm²	11kv
RHTJU 12PX 185-300	185-300mm²	11kv
RHTJU 12PX 400-630	400-630mm²	11kv

33kV Single Core Heat shrink Cable Joints – CWS/XLPE

A range of single core heat shrink straight joints designed to connect 33kv XLPE/EPR insulated cables compatible with both compression and mechanical connector types.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, tinned copper mesh, heat shrink outer protection and full jointing instruction
- Suitable for both XLPE and EPR insulated cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJU 36X 50-95-1	50-95mm²	24-27.8mm
RHSJU 36X 95-185-1	95-185mm²	27.8-32.3mm
RHSJU 36X 185-300-1	185-300mm²	32.3-36.8mm
RHSJU 36X 300-630-1	300-630mm²	36.8-46.8mm
RHSJU 36X 630-1000-1	630-1000mm²	46.8-54.8mm

33kV Single Core Cold Shrink Cable Joints – CWS /XLPE

A range of single core cold shrink straight joints designed to connect 33kv XLPE/EPR insulated cables compatible with both compression and mechanical connector type.

Features & Benefits

- The kit includes mastics, tapes, cleaning materials, cold shrink insulating tubes, tubular copper net for shielding of the joint
- Easy installation, most critical components integrated in one body
- Spiral technology, easy to apply to a wide range of cables
- Integrated geometric stress control
- Joints complete with mechanical connector

Part No	Cable Cross Section	Min Dia over insulation
CJ11.4203C	70-240mm²	26.0mm
CJ11.4204C	120-300mm²	26.0mm
CJ11.42045C	185-400mm²	26.0mm

33kV Single Core Hybrid Cable Joints – CWS /XLPE

A range of single core hybrid straight joints designed to connect 33kv XLPE/EPR insulated cables compatible with both compression and mechanical connector types. These joints are designed to offer the speed and reliability of cold shrink technology while keeping the benefits of an adhesive lined heat shrink outer protection.

Features & Benefits

- The kit includes mastics, tapes, cleaning materials, cold shrink insulating tubes, tubular copper net for shielding of the joint and a heat shrink outer protection tube
- Suitable for both XLPE and EPR insulated cables
- Joints complete with mechanical connector
- Integrated geometric stress control

Part No	Cable Cross Section	Min Dia over insulation
CJH11.4203C	70-240mm²	25.3mm
CJH11.4204C	120-300mm²	25.3mm
CJH11.42045C	185-400mm²	25.3mm
CJH11.4205CC	400-630mm²	31.1mm
CJH11.4206C	630-1000mm²	36.8mm

33kV Single Core Heat shrink Cable Joints – CTS/AWA/XLPE

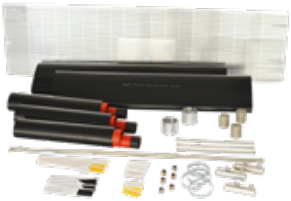
A range of single core heat shrink straight joints designed to connect 33kv XLPE/EPR insulated cables with a copper tape screen and aluminium wire armour. Compatible with both compression and mechanical connector types.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, earthing kit, armour cage, heat shrink outer protection and full jointing instruction
- Suitable for XLPE CTS AWA Cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJA 36X 50-95-1	50-95mm²	24-27.8mm
RHSJA 36X 95-185-1	95-185mm²	27.8-32.3mm
RHSJA 36X 185-300-1	185-300mm²	32.3-36.8mm
RHSJA 36X 300-630-1	300-630mm²	36.8-46.8mm
RHSJA 36X 630-1000-1	630-1000mm²	46.8-54.8mm

33kV Three Core Heat shrink Cable Joints – CTS/SWA/XLPE



A range of three core heat shrink straight joints designed to connect 33kv XLPE insulated cables compatible with both compression and mechanical connector types.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, armour cage, conductive breakout, heat shrink outer protection and full jointing instruction
- Suitable for XLPE CTS SWA cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJA 36X 50-95-3	50-95mm²	24-27.8mm
RHSJA 36X 95-185-3	95-185mm²	27.8-32.3mm
RHSJA 36X 185-300-3	185-300mm²	32.3-36.8mm
RHSJA 36X 300-400-3	300-400mm²	36.8-46.8mm

33kV Three Core Heat shrink Cable Joints – CTS/LS/PILC

A range of three core heat shrink straight joints designed to connect 33kv PILC insulated cables compatible with both compression and mechanical connector types.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, Oil barrier tubes, conductive breakout, armour cage, heat shrink outer protection and full jointing instruction
- Suitable for PILC CTS SWA cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJA 36P 50-95-3	50-95mm²	24-27.8mm
RHSJA 36P 95-185-3	95-185mm²	27.8-32.3mm
RHSJA 36P 185-300-3	185-300mm²	32.3-36.8mm
RHSJA 36P 300-400-3	300-400mm²	36.8-46.8mm

33kV Transition Heat shrink Cable Joint – 1C/CWS/XLPE – 1C/CTS/AWA/XLPE

A range of heat shrink single core XLPE joints to connect single core 33kv unarmoured cable to single core aluminium wire armoured cables. All suitable for the use with compression or mechanical connectors.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, Armour earthing kit, heat shrink outer protection and full jointing instruction
- Suitable for transition between armoured and unarmoured XLPE cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1., IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJU 36X 50-95-1	50-95mm²	24-27.8mm
RHSJU 36X 95-185-1	95-185mm²	27.8-32.3mm
RHSJU 36X 185-300-1	185-300mm²	32.3-36.8mm
RHSJU 36X 300-630-1	300-630mm²	36.8-46.8mm
RHSJU 36X 630-1000-1	630-1000mm²	46.8-54.8mm

33kV Transition Heat shrink Cable Joint – 1C/CWS/XLPE – 1C/CTS/LS/PILC

A range of heat shrink single core transition joints to connect single core unarmoured XLPE cable to single core PILC, Lead Sheath cables. All suitable for the use with compression or mechanical connectors.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, heat shrink outer protection and full jointing instruction
- Suitable for transition between XLPE and PILC unarmoured cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1., IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJA 36PX 50-95-1	50-95mm²	24-27.8mm
RHSJA 36PX 95-185-1	95-185mm²	27.8-32.3mm
RHSJA 36PX 185-300-1	185-300mm²	32.3-36.8mm
RHSJA 36PX 300-630-1	300-630mm²	36.8-46.8mm
RHSJA 36PX 630-1000-1	630-1000mm²	46.8-54.8mm

33kV Transition Heat shrink Cable Joint – 1C/CTS/AWA/XLPE – 1C/CTS/LS/PILC

A range of heat shrink single core transition joints to connect single core armoured (AWA) XLPE cable to single core PILC, Lead Sheath cables. All suitable for the use with compression or mechanical connectors.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, Oil barrier tube, Conductive tube, sealing mastic, Armour earthing, heat shrink outer protection and full jointing instruction
- Suitable for transition between XLPE and PILC unarmoured cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1., IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJA 36PX 50-95-1	50-95mm²	24-27.8mm
RHSJA 36PX 95-185-1	95-185mm²	27.8-32.3mm
RHSJA 36PX 185-300-1	185-300mm²	32.3-36.8mm
RHSJA 36PX 300-630-1	300-630mm²	36.8-46.8mm
RHSJA 36PX 630-1000-1	630-1000mm²	46.8-54.8mm

33kV Transition Heat shrink Cable Joint – 3C/CTS/SWA/XLPE – 3C/CTS/LS/PILC

A range of heat shrink three core transition joints to connect three core XLPE SWA cable to three core PILC, Lead Sheath cables. All suitable for the use with compression or mechanical connectors.

Features & Benefits

- The straight joint comprises of stress control tube, insulating tube, stress grading mastic, sealing mastic, Armour earthing, Oil barrier tube, Conductive tube, conductive breakout, heat shrink outer protection and full jointing instruction
- Suitable for transition between XLPE and PILC cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1., IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Dia over insulation
RHSJA 36PX 50-95-3	50-95mm²	24-27.8mm
RHSJA 36PX 95-185-3	95-185mm²	27.8-32.3mm
RHSJA 36PX 185-300-3	185-300mm²	32.3-36.8mm
RHSJA 36PX 300-400-3	300-400mm²	36.8-46.8mm

33kV Trifurcating Heat shrink Cable Joint – 3C/SWA/CTS /XLPE – 1C/CWS/XLPE

A range of heat shrink trifurcating joints to connect three core XLPE SWA cables to single core unarmoured Cables. All joints are suitable for both compression or mechanical connectors.

Features & Benefits

- The trifurcating joints comprises of stress control tube, insulating tube, stress grading mastic, armour earthing kit, sealing mastics, 3 core breakout and heavy wall heat shrink corrosion protection tube
- Suitable for three core cables to single core cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Options available for single core armoured cables - contact office for further info
- Certified and Tested to CENELEC HD 629.1, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Voltage
RHTJU 36X 50-95	50-95mm²	33kv
RHTJU 36X 95-185	95-185mm²	33kv
RHTJU 36X 185-300	185-300mm²	33kv
RHTJU 36X 400-630	400-630mm²	33kv

33kV Trifurcating Transition Heat shrink Cable Joint - 3C/CTS/LS/PILC – 1C/CWS/XLPE

A range of heat shrink trifurcating transition joints to connect three core PILC, Lead Sheath cables to single core unarmoured or Triplex Cables. All joints are suitable for both compression or mechanical connectors.

Features & Benefits

- The trifurcating transition joints comprises of stress control tube, insulating tube, stress grading mastic, armour earthing kit, Oil barrier tube, sealing mastics, 3 core breakout and heavy wall het shrink corrosion protection tube
- Suitable for three core cables to single core cables
- Small range covers wide cable cross sections
- Option also available for PILC HSL type cables- Contact office for further information
- Options available for single core armoured cables - contact office for further information
- Certified and Tested to CENELEC HD 629.1.S2, IEC 60502-4 and IEEE-48

Part No	Cable Cross Section	Voltage
RHTJU 36PX 50-95	50-95mm²	33kv
RHTJU 36PX 95-185	95-185mm²	33kv
RHTJU 36PX 185-300	185-300mm²	33kv
RHTJU 36PX 400-630	400-630mm²	33kv

MV Terminations

Contents

11kV Single Core Indoor Heatshrink Termination-XLPE

A range of single core heatshrink indoor terminations designed to terminate 11kV polymeric cables onto switchgear and cable end boxes in substations.

Features & Benefits

- Suitable for both copper wire and copper tape screen polymeric cables
- Can be used on the individual cores of 11kV triplex
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Tested to IEC Pollution Level III (Heavy)
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating bushing boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTSI-12X-35-95-1	35-95	300
RHTSI-12X-95-240-1	95-240	300
RHTSI-12X-120-300-1	120-300	300
RHTSI-12X-400-630-1	400-630	300

11kV Single Core Indoor Coldshrink Termination-XLPE

A range of high quality single core coldshrink indoor terminations designed to terminate 11kV polymeric cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a silicone coldshrink tube that is naturally self cleaning and UV resistant with removable inner core
- Suitable for both copper wire and copper tape screen polymeric cables
- Fast installation without the need for special tools
- Can be used on the individual cores of 11kV triplex
- Certified and Tested to CENELEC HD 629.1. S2
- Kit Contents include coldshrink outer insulation tube with integral stress control, sealing tapes and mastics, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating bushing boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Min Cable Insulation mm	Length mm
CITI.2402	35-95	13.8	305
CITI.2403	95-240	18.4	310
CITI.2404	240-300	25.3	350
CITI.2405	400-630	31.1	410
CITI.2406	630-1000	36.8	410

11kV Three Core Indoor Heatshrink Termination-XLPE

A range of three core heatshrink indoor terminations designed to terminate 11kV polymeric cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a heatshrinkable tubes with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for both copper wire and copper tape screen polymeric cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include Heatshrink anti tracking insulation tube, creepage extension sheds, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTI-12X-25/70-3/E	35-95	600
RHTI-12X-95-185-3/E	95-185	600
RHTI-12X-185-300-3/E	185-300	600
RHTI-12X-300-630/3-E	300-630	600

11kV Three Core Indoor Coldshrink Termination-XLPE

A range of three core coldshrink indoor terminations designed to terminate 11kV polymeric cables onto applications such as pole top assemblies.

Features & Benefits

- The termination comprises of a silicone coldshrink tubes that is naturally self cleaning and UV resistant with removable inner core
- Suitable for both copper wire and copper tape screen polymeric cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Dia Insulation mm	Length mm
RCSTI-12x-50-95-3	50-95	15	500-1100
RCSTI-12x-95-300-3	95-300	20	500-1100
RCSTI-12x-400-630-3	400-630	27.5	500-1100

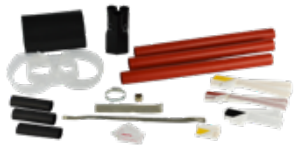
11kV Single Core Indoor Heatshrink Termination-PILC/PICAS

A range of single core heatshrink indoor terminations designed to terminate 11kV PILC/PICAS cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a heatshrinkable tubes with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for paper insulated lead cable (PILC)
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include Heatshrink anti tracking insulation tube, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTI-12P-25-70-1	25-70	600
RHTI-12P-95-185-1	95-185	600
RHTI-12P-185-300-1	185-300	600
RHTI-12P-400-630-1	400-630	600
RHTI-12P-630-1000-1	185-300	600



11kV Three Core Indoor Heatshrink Termination-PILC/PICAS

A range of three core heatshrink indoor terminations designed to terminate 11kV PILC/PICAS cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a heatshrinkable tubes with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for paper insulated lead cable (PILC) and paper insulated corrugated aluminium sheet (PICAS) cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include Heatshrink anti tracking insulation tube, creepage extension sheds, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTI-12P-25-70-3/E	25-70	600
RHTI-12P-95-185-3/E	95-185	600
RHTI-12P-185-300-3/E	185-300	600

11kV Single Core Outdoor Heatshrink Termination-XLPE

A range of single core heatshrink outdoor terminations designed to terminate 11kV polymeric cables onto applications such as pole top assemblies.

Features & Benefits

- Suitable for both copper wire and copper tape screen polymeric cables
- Can be used on the individual cores of 11kV triplex
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating bushing boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Cable Insulation mm	Length mm
RHTSO-12X-35-95-1	35-95	14.6-18.6	300
RHTSO-12X-95-240-1	95-240	18.6-23.1	300
RHTSO-12X-120-300-1	120-300	23.1-27.6	300
RHTSO-12X-400-630-1	400-630	27.6-37.6	300

11kV Single Core Outdoor Coldshrink Termination-XLPE

A range of high quality single core coldshrink outdoor terminations designed to terminate 11kV polymeric cables onto applications such as pole top assemblies.

Features & Benefits

- The termination comprises of a silicone coldshrink tube that is naturally self cleaning and UV resistant with removable inner core
- Suitable for both copper wire and copper tape screen polymeric cables
- Fast installation without the need for special tools
- Can be used on the individual cores of 11kV triplex
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include coldshrink outer insulation tube with integral stress control, sealing tapes and mastics, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating bushing boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Min Cable Insulation mm	Length mm
COTI.2402	35-95	13.8	265
COTI.2403	95-240	18.4	270
COTI.2404	240-300	25.3	310
COTI.2405	400-630	31.1	370
COTI.2406	630-1000	36.8	370

11kV Three Core Outdoor Heatshrink Termination-XLPE

A range of three core heatshrink outdoor terminations designed to terminate 11kV polymeric cables onto applications such as pole top assemblies.

Features & Benefits

- The termination comprises of a heatshrinkable tubes with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for both copper tape screen polymeric cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include Heatshrink anti tracking insulation tube, creepage extension sheds, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTO-12X-25-70-3/E	25-70	650
RHTO-12X-95-185-3/E	95-185	650
RHTO-12X-185-300-3/E	185-300	650

11kV Three Core Outdoor Coldshrink Termination-XLPE

A range of three core coldshrink outdoor terminations designed to terminate 11kV polymeric cables onto applications such as pole top assemblies.

Features & Benefits

- The termination comprises of a silicone coldshrink tubes that is naturally self cleaning and UV resistant with removable inner core
- Suitable for copper tape screen polymeric cables
- Small range covers wide cable cross sections
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include Coldshrink anti tracking insulation tube, creepage extension sheds, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RCSTO-12X-50-95-3	50-95	600
RCSTO-12X-95-300-3	95-300	600
RCSTO-12X-400-630-3	400-630	600

11kV Single Core Outdoor Heatshrink Termination-PILC/PICAS

A range of single core heatshrink indoor terminations designed to terminate 11kV PILC/PICAS cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a heatshrinkable tubes with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for paper insulated lead cable (PILC)
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include Heatshrink anti tracking insulation tube, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTO-12P-25-70-1	25-70	500
RHTO-12P-95-185-1	95-185	500
RHTO-12P-185-300-1	185-300	500
RHTO-12P-400-630-1	400-630	500

11kV Three Core Outdoor Heatshrink Termination-PILC/PICAS

A range of three core heatshrink indoor terminations designed to terminate 11kV PILC/PICAS cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a heatshrinkable tubes with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for paper insulated lead cable (PILC) and paper insulated corrugated aluminium sheet (PICAS) cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include Heatshrink anti tracking insulation tube, creepage extension sheds, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTO-12P-25-70-3/E	25-70	600
RHTO-12P-95-185-3/E	95-185	600
RHTO-12P-185-300-3/E	185-300	600
RHTO-12P-400-630-3/E	400-630	600

33kV Single Core Indoor Heatshrink Termination-XLPE

A range of single core heatshrink indoor terminations designed to terminate 33kV polymeric cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a heatshrinkable tube with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for both copper wire and copper tape screen polymeric cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Tested to IEC Pollution Level III (Heavy)
- Kit Contents include Heatshrink outer insulation tube, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating bushing boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTI-36X-25-70-1	25-70	650
RHTI-36X-95-185-1	95-185	650
RHTI-36X-185-300-1	185-300	650
RHTI-36X-300-630-1	300-630	650
RHTI-36X-630-1000-1	630-1000	650

33kV Single Core Indoor Coldshrink Termination-XLPE

A range of high quality single core coldshrink indoor terminations designed to terminate 33kV polymeric cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a silicone coldshrink tube that is naturally self cleaning and UV resistant with removable inner core
- Suitable for both copper wire and copper tape screen polymeric cables
- Fast installation without the need for special tools
- Can be used on the individual cores of an 33kV triplex cable
- Spiral technology which covers a wide range of cable cross sections
- Certified and Tested to CENELEC HD 629.1. S2
- Kit Contents include coldshrink outer insulation tube with integral stress control, sealing tapes and mastics, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating bushing boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Min Cable Insulation mm	Length mm
CITI.4202	10-95	18.4	390
CITI.4203	70-240	25.3	430
CITI.4204	185-300	31.1	490
CITI.4205	400-630	31.1	490
CITI.4206	630-1000	36.8	490

33kV Three Core Indoor Heatshrink Termination-XLPE

A range of three core heatshrink indoor terminations designed to terminate 33kV polymeric cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a heatshrinkable tubes with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for both copper wire and copper tape screen polymeric cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include Heatshrink anti tracking insulation tube, creepage extension sheds, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTI-36X-25-70-3/E	25-70	650
RHTI-36X-95-185-3/E	95-185	650
RHTI-36X-185-300-3/E	185-300	650
RHTI-36X-300-630-3/E	300-630	650

33kV Three Core Indoor Coldshrink Termination-XLPE

A range of three core coldshrink indoor terminations designed to terminate 33kV polymeric cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a silicone coldshrink tubes that is naturally self cleaning and UV resistant with removeable inner core
- Suitable for both copper wire screen and copper tape screen polymeric cables
- Small range covers wide cable cross sections
- Certified and test to CENELEC HD 629.1.S2
- Kit contents include : Coldshrink anti tracking insulation tube, creepage extension sheds, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section	Insulation Dia	Tail Length
RCSTI-36X-50-120-3	50-120	19-32	600
RCSTI-36X-150-400-3	150-400	30-42	600
RCSTI-36X-500-630-3	500-630	40-60	600

33kV Single Core Indoor Heatshrink Termination-PILC/PICAS

A range of single core heatshrink indoor terminations designed to terminate 33kV PILC/PICAS cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a heatshrinkable tubes with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for paper insulated lead cable (PILC) and paper insulated corrugated aluminium sheet (PICAS) cables
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include Heatshrink anti tracking insulation tube, creepage extension sheds, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTI-36P-25-70-1	25-70	650
RHTI-36P-95-185-1	95-185	650
RHTI-36P-185-300-1	185-300	650
RHTI-36P-400-630-1	400-630	650
RHTI-36P-630-1000-1	630-1000	650

33kV Three Core Indoor Heatshrink Termination-PILC/PICAS

A range of three core heatshrink indoor terminations designed to terminate 33kV PILC/PICAS cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a heatshrinkable tubes with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for paper insulated lead cable (PILC) and paper insulated corrugated aluminium sheet (PICAS) cables
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include Heatshrink anti tracking insulation tube, creepage extension sheds, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTI-36P-25-70-3/E	25-70	800
RHTI-36P-95-185-3/E	95-185	800
RHTI-36P-185-300-3/E	185-300	800

33kV Single Core Outdoor Heatshrink Termination-XLPE

A range of single core heatshrink outdoor terminations designed to terminate 33kV polymeric cables onto applications such as pole top assemblies.

Features & Benefits

- The termination comprises of a heatshrinkable tube with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for both copper wire and copper tape screen polymeric cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Tested to IEC Pollution Level III (Heavy)
- Kit Contents include Heatshrink outer insulation tube, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating bushing boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTO-36X-25-70-1	25-70	1000
RHTO-36X-95-185-1	95-185	1000
RHTO-36X-185-300-1	185-300	1000
RHTO-36X-300-630-1	300-630	1000
RHTO-36X-630-1000-1	630-1000	1000

33kV Single Core Outdoor Coldshrink Termination-XLPE

A range of high quality single core coldshrink outdoor terminations designed to terminate 33kV polymeric cables onto applications such as pole top assemblies.

Features & Benefits

- The termination comprises of a silicone coldshrink tube that is naturally self cleaning and UV resistant with removable inner core
- Suitable for both copper wire and copper tape screen polymeric cables
- Fast installation without the need for special tools
- Spiral technology which covers a wide range of cable cross sections
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include coldshrink outer insulation tube with integral stress control, sealing tapes and mastics, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating bushing boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Min Cable Insulation mm	Length mm
COTI.4202	10-95	18.4	620
COTI.4203	70-240	25.3	750
COTI.4204	185-300	31.1	800
COTI.4205	400-630	31.1	800
COTI.4206	630-1000	36.8	800

33kV Three Core Outdoor Heatshrink Termination-XLPE

A range of three core heatshrink outdoor terminations designed to terminate 33kV polymeric cables onto applications such as pole top assemblies.

Features & Benefits

- The termination comprises of a heatshrinkable tubes with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for both copper wire and copper tape screen polymeric cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include Heatshrink anti tracking insulation tube, creepage extension sheds, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTO-36X-25-70-3/E	25-70	1000
RHTO-36X-95-185-3/E	95-185	1000
RHTO-36X-185-300-3/E	185-300	1000

33kV Three Core Outdoor Coldshrink Termination-XLPE

A range of three core coldshrink outdoor terminations designed to terminate 33kV polymeric cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a silicone coldshrink tubes that is naturally self cleaning and UV resistant with removeable inner core
- Suitable for copper tape screen polymeric cables
- Small range covers wide cable cross sections
- Certified and test to CENELEC HD 629.1.S2
- Kit contents include : Coldshrink anti tracking insulation tube, creepage extension sheds, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preperation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section	Insulation Dia	Tail Length
RCSTO-36X-50-120-3	50-120	19-32	800
RCSTO-36X-150-400-3	150-400	30-42	800
RCSTO-36X-500-630-3	500-630	40-60	800

33kV Single Core Outdoor Heatshrink Termination-PILC/PICAS

A range of single core heatshrink indoor terminations designed to terminate 33kV PILC/PICAS cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a heatshrinkable tubes with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for paper insulated lead cable (PILC) and paper insulated corrugated aluminium sheet (PICAS) cables
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include Heatshrink anti tracking insulation tube, creepage extension sheds, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTO-36P-25-70-3/E	25-70	750
RHTO-36P-95-185-3/E	95-185	750
RHTO-36P-185-300-3/E	185-300	750
RHTO-36P-400-630-3/E	400-630	750
RHTO-36P-630-1000-3/E	630-1000	750

33kV Three Core Outdoor Heatshrink Termination-PILC/PICAS

A range of three core heatshrink indoor terminations designed to terminate 33kV PILC/PICAS cables onto switchgear and cable end boxes in substations.

Features & Benefits

- The termination comprises of a heatshrinkable tubes with excellent electrical, anti tracking and weathering characteristics, and an internal coating which provides exceptional electrical stress control and void filling properties
- Suitable for paper insulated lead cable (PILC) and paper insulated corrugated aluminium sheet (PICAS) cables
- Unlimited shelf life
- Certified and Tested to CENELEC HD 629.1.S2
- Kit Contents include Heatshrink anti tracking insulation tube, creepage extension sheds, stress control tubes, cable breakout, red sealing mastic, yellow stress grading mastic, cable preparation materials and installation instructions
- Can be used with compression or mechanical lugs which are available on request
- Please ask the SALES OFFICE for insulating boots, earthing kits and glands to complete the installation in the switchgear cable end boxes

Part No	Cable Cross Section mm	Length mm
RHTO-36P-25-70-3/E	25-70	1000
RHTO-36P-95-185-3/E	95-185	1000
RHTO-36P-185-300-3/E	185-300	1000

33kV Top Hat Glands-SWA

A range of top hat glands that are designed to earth the amours on 11kV and 33kV 3 core SWA cables used on medium voltage networks.

Features & Benefits

- Rated to 33kV
- Kit consists of gland, s/s fixings, jubilee clips and heatshrink tube

Part No	Voltage kV	Cable Range mm²
THG-RBG1	11-33	16-95
THG-RBG2	11-33	95-400

33kV Top Hat Glands-AWA

A top hat gland kit that is designed to earth the amours on 11kV and 33kV 1 core AWA cables used on medium voltage networks.

Features & Benefits

- Rated to 33kV
- Kit consists of 3 x glands, s/s fixings, jubilee clips and heatshrink tube

Part No	Voltage kV	Cable Range mm²
THG-RBGA1	11-33	50-630

11kV Top Hat Glands-Triplex

A top hat gland kit that is designed to take 3x single core cables through 1 gland used on medium voltage networks.

Features & Benefits

- Rated to 11kV
- Kit consists of gland, s/s fixings and heatshrink breakout

Part No	Voltage kV	Cable Range mm²
THG-RBTG1	11	35-95
THG-RBTG2	11	95-300

Heatshrink Cable Gland-CES

A range of heat shrinkable cable glands which are designed to provide a water and fume tight seal where cables enter connection boxes, bulkheads or other enclosures.

Features & Benefits

- Adhesive lined heat shrinkable moulded body with rigid nylon nut ring
- Three part assembly

Part No	Cable Range mm²	Drill Size	Max Nut OD mm
RHSCG-4	40-19	50.8	69.09
RHSCG-5	69-36	88.9	103.38

Brass Wiping Cones

A range of brass wiping cones that are designed to mechanically earth the lead sheaths of a PILC cables.

Features & Benefits

- Gland can be cut to fit the relevant cable size
- Kit consists of brass cone & fixings, jubilee clips and heatshrink tube

Part No	Application
BWC-X	Size X
BWC-Y	Size Y

Insulating Plates

A range of insulating plates that are designed to insulate top hat glands and brass wiping cones from the enclosure.

Features & Benefits

- Suitable for use at 11kV & 33kV
- Kit consists of epoxy resin plate, plastic nuts & fixings

Part No	Thickness mm	Product Application
INS-P-X	10	RBG-1, RBGA & BWC-X
INS-P-Y	10	RBG-2, RBTG-2 & BWC-Y

Solderless Earth Kit-Copper Tape Screen

A range of solderless earth kits that are designed to earth the screens on 11kV & 33kV single & three core cables used on medium voltage networks.

Features & Benefits

- Rated to 33kV
- Kit comprises: 3 x braids, 3 x roll springs

Part No	Core Dia	11kV Cable Size	33kV Cable Size
RSEK-1	14-22	35-70	-
RSEK-2	18-29	95-300	50-95
RSEK-3	31-50	300-630	120-400
RSEK-4	45-76	800-1000	500-630

Armour Earth Kit-Single Core AWA

A range of armour earth kits that are designed to earth the armour on 11kV & 33kV single & three core cables used on medium voltage networks.

Features & Benefits

- Rated to 33kV
- Kit comprises : 1 x braids, 1 x roll springs

Part No	Armour Dia	11kV Cable Size	33kV Cable Size
RSAK-1	35	50-185	-
RSAK-2	50	240-630	50-240
RSAK-3	70	800-1000	300-1000

Armour Earth Kit-Three Core SWA

A range of armour earth kits that are designed to earth the armour on 11kV & 33kV single & three core cables used on medium voltage networks.

Features & Benefits

- Rated to 33kV
- Kit comprises : 1 x braids, 1 x roll springs

Part No	Armour Dia	11kV Cable Size	33kV Cable Size
RSAK-2	50	50-120	-
RSAK-3	70	150-300	50-95
RSAK-4	90	400	120-300

11kV Cold Applied Boot Kit

A flexible cold applied insulating boot kit that are used when clearances are insufficient between phase to phase conductors connected to cable boxes and switchgear to prevent flash over.

Features & Benefits

- Can be used as a straight or right angled boot kit
- Rated to 11kV

Part No	Cable Range mm²	Bushing mm²
RCFB-3	35-400	46-70

11kV Heat shrink Boot Kits

A range of heat shrink straight insulating boot kits that are used when clearances are insufficient between phase to phase conductors connected to cable boxes and switchgear to prevent flash over.

Features & Benefits

- Straight or right angled versions available
- Kits consist of 3 boots and mastic kit

Part No	Cable Range mm²	Application
RHSB-1	35-185	Straight
RHSB-2	95-400	Straight

11kV Heat shrink Boot Kits

A range of heat shrink right angled insulating boot kits that are used when clearances are insufficient between phase to phase conductors connected to cable boxes and switchgear to prevent flash over.

Features & Benefits

- Straight or right angled versions available
- Kits consist of 3 boots and mastic kit

Part No	Cable Range mm²	Application
RHRB-1	35-185	Right Angle
RHRB-2	95-400	Right Angle

33kV Heat shrink Boot Kits

A heatshrink right angled insulating boot kit that are used when clearances are insufficient between phase to phase conductors connected to cable boxes and switchgear to prevent flash over.

Features & Benefits

- Right angled version only available
- Kits consist of 3 boots and mastic kit

Part No	Cable Range mm²	Application
RHRB-3-36	50-630	Right Angle

Pole Top Installation Bracket

A pole top installation bracket that is designed to be used to support cables when installing medium voltage cable terminations in outdoor applications.

Features & Benefits

- Manufactured from galvanised steel with supporting cleat
- Can be used with surge arrestors and insulators

Part No	Application
CRUC-PTB	Support Bracket

Standoff Insulators with Support Bracket

A range of standoff insulators with support bracket that is designed to provide suitable clearance between the termination cable lug and grounded metal.

Features & Benefits

- Manufactured out of weatherproof silicone
- Tested to ASTM D149 & IEC60

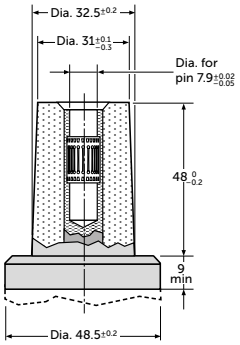
Part No	Voltage	Min Creepage Distance mm
RINS12	12	405
RINS24	24	720
RINS36	36	1320

Separable Connectors

Contents

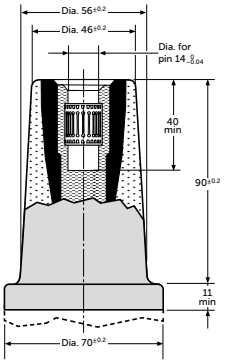
Type A Interface Bushing

- Voltage Range 12-24kv
- Connection Point is a 7.9mm Plug In Pin Contact
- Current rating is 250amp
- Dimensions according to European CENELEC EN 50180 and 50181



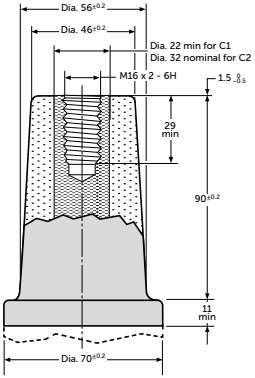
Type B Interface Bushing

- Voltage Range 12-36kv
- Connection Point is a 14mm Plug In Pin Contact
- Current Rating is 400amp
- Dimensions according to European CENELEC EN 50180 and 50181



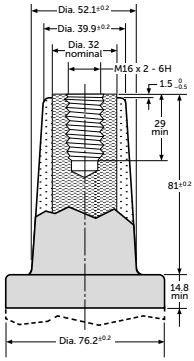
Type C Interface Bushing

- Voltage Range 12-36kv
- Connection point is a M16 Threaded Bolt
- Current Rating is 630amp
- Dimensions according to European CENELEC EN 50180 and 50181



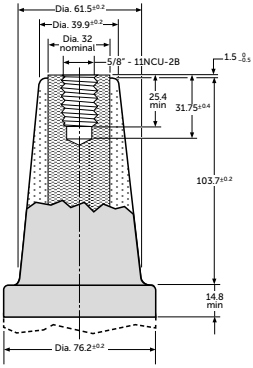
Type D Interface Bushing

- Voltage Range 12-24kv
- Connection Point is a ⅝" UNC Bolted Stud (800amp ALI/1250amp Cu)
- Current Rating is 800-1250amp
- Dimensions according to European CENELEC EN 50180 and 50181



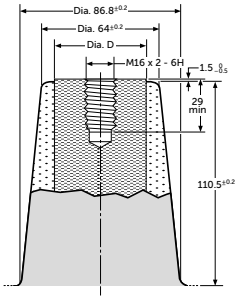
Type E Interface Bushing

- Voltage Range 12-36kv
- Connection Point is a ⅝" UNC Bolted Stud (800amp ALI/1250amp Cu)
- Current Rating is 800-1250amp
- Dimensions according to European CENELEC EN 50180 and 50181



Type F Interface Bushing

- Voltage Range 12-42kv
- Connection Point is a M16 Threaded Bolt
- Current Rating is 630-2500amp
- Dimensions according to European CENELEC EN 50180 and 50181



11kV Unscreened Separable Connector

A range of unscreened separable connectors that are designed to be used with standard MV cable terminations to connect 11kV cables onto C interface bushings without the need for screened connectors.

Features & Benefits

- The unscreened separable connectors are manufactured from silicone rubber based material
- Designed to be connected onto C Interface bushing in according to EN 50180 & EN50181
- Can be easily disconnected and reconnected with standard tooling under dead break conditions
- Voltage rated upto 17.5kV
- Excellent anti tracking properties
- Unlimited shelf life in normal storage temperatures
- One size is suitable for all cable types from 70-300mm²
- The body and the termination are not screened therefore during operation the surfaces will be considered live and must not be touched
- Kit comprises a set of 3 unscreened separable connectors, installation grease, M16 to M12 threaded stud, washers and nut

Part Number	Voltage	Current	Cable Size Range
RUSK-1	11KV	630 A	70-300mm²

11/24kV Dead-Break Elbow Connector (158LR)

A range of separable elbow connectors to connect all XLPE type cables to a 200 Series/Type A (250amp) bushing with a 7.9mm plug in pin. Standard kits are designed for 1c copper wire screen cables but with the addition of copper tape screen earth kit can also be used on 3 core and single core armoured cables.

Features & Benefits

- The separable connector comprises of connector housing, cable reducer, bail restraint, contact pin and conductor contact
- Designed to connect cables to transformers/switchgear and motors
- Suitable for both copper wire and copper tape screen polymeric cables
- Small range covers wide cable cross sections
- Unlimited shelf life
- Supplied as a three-phase kit
- Also available in a straight connector, Contact the sales office for further detail
- Certified and Tested to CENELEC HD 629.1
- Can be used with compression or mechanical lugs

Part Number	Voltage	Current	Cable Size Range
158LR/G	11KV	250amp	16-150mm²
K158LR/G	24kv	250amp	16-120mm²

11/36kV Dead-Break Elbow Connector (400LR)

A range of separable elbow connectors to connect all XLPE type cables to a 400 Series/Type B (400amp) bushing with a 14mm plug in pin. Standard kits are designed for 1c copper wire screen cables but with the addition of copper tape screen earth kit can also be used on 3core and single core armoured cables.

Features & Benefits

- The separable connector comprises of connector housing, cable reducer, bail restraint, contact pin and conductor contact
- Designed to connect cables to transformers/switchgear and motors
- Suitable for both copper wire and copper tape screen polymeric cables
- Certified and Tested to CENELEC HD 629.1

Part Number	Voltage	Current	Cable Size Range
400LR/G	11KV	400amp	50-240mm²
K400LR/G	24KV	400amp	25-240mm²
M400LR/G	36KV	400amp	35-185mm²

11/36kV Dead-Break Tee Connector (400TE)

A range of separable Tee connectors to connect all XLPE type cables to a 400 Series/Type B (400amp) bushing with a 14mm plug in pin. Standard kits are designed for 1c copper wire screen cables but with the addition of copper tape screen earth kit can also be used on 3core and single core armoured cables.

Features & Benefits

- The separable connector comprises of connector housing, cable reducer, bail restraint, contact pin and conductor contact
- Designed to connect cables to transformers/switchgear and motors
- Suitable for both copper wire and copper tape screen polymeric cables
- Certified and Tested to CENELEC HD 629.1

Part Number	Voltage	Current	Cable Size Range
400TE/G	11KV	400amp	50-240mm²
K400TE/G	24KV	400amp	25-240mm²
M400TE/G	36KV	400amp	35-185mm²

11/36kV Asymmetrical Compact Separable Connector

A range of compact separable connectors designed to connect small cross section 11kV & 33kV copper or aluminium cables to a type C1 interface 630 amp bushings on switchgear.

Features & Benefits

- Designed to connect cables to switchgear, transformer and motor
- A thick conductive EPDM jacket provides a total safe to touch screen
- Compact design – asymmetrical body allows minimum depth of connection which is critical when multiple connection are made onto the same bushing
- Suitable for copper or aluminium conductors from 70-400mm²
- EPDM moulded body with semi conductive outer layer
- Continuous current 630A (900A overload for 8 hours)
- Mounting can be vertical, horizontal or any angle in between
- Conforms to HD629.1 S2 and IEC60502-4
- The separable connector kit comprises at set of 3 EPDM moulded bodies, set of 3 insulation adaptors, set of 3 mechanical lugs, M16 connection stud, set of 3 back plug assembly, mastic & EPR tapes
- Cable sealing and environmental protection available as tapes, heatshrink or coldshrink tubes
- A full cable specification detailing core insulation diameter of the cable is required at time of order
- Please contact PSG for us with 3 core cables or cables with copper tape screens as additional trifurcating modules or earthing kits may be required

Part Number	Voltage	Current	Cable Size Range
RCPT-36A	11-36kV	630A	70-400mm²

11/36kV Assymetrical Compact Branch Separable Connector

A range of compact branch separable connectors designed to connect small cross section 11kV & 33kV copper or aluminium cables onto the back of separable connector connected to the C1 interface 630 amp bushing on the switchgear.

Features & Benefits

- Designed to connect cables to switchgear, transformer and motor
- A thick conductive EPDM jacket provides a total safe to touch screen
- Compact design – asymmetrical body allows minimum depth of connection which is critical when multiple connection are made onto the same bushing
- Suitable for copper or aluminium conductors from 70-400mm²
- EPDM moulded body with semi conductive outer layer
- Continuous current 630A (900A overload for 8 hours)
- Mounting can be vertical, horizontal or any angle in between
- Conforms to HD629.1 S2 and IEC60502-4
- The branch separable connector kit comprises at set of 3 EPDM moulded bodies, set of 3 insulation adaptors, set of 3 mechanical lugs, M16 extension rod, mastic & EPR tapes
- Cable sealing and environmental available as tapes, heatshrink or coldshrink tubes
- A full cable specification detailing core insulation diameter of the cable is required at time of order
- Please contact PSG for us with 3 core cables or cables with copper tape screens as additional trifurcating modules or earthing kits may be required

Part Number	Voltage	Current	Cable Size Range
RBCPT-36A	11-36kV	630A	70-400mm²

11/42kV Asymmetrical Compact Separable Connector

A range of compact separable connectors designed to connect large cross section 11kV & 33kV copper or aluminium cables to a type C2 interface 1250 amp bushings on switchgear.

Features & Benefits

- Designed to connect cables to switchgear, transformer and motor
- A thick conductive EPDM jacket provides a total safe to touch screen
- Compact design – asymmetrical body allows minimum depth of connection which is critical when multiple connection are made onto the same bushing
- Suitable for copper or aluminium conductors from 70-400mm²
- EPDM moulded body with semi conductive outer layer
- Continuous current 1250A
- Mounting can be vertical, horizontal or any angle in between
- Conforms to HD629.1 S2 and IEC60502-4
- The separable connector kit comprises at set of 3 EPDM moulded bodies, set of 3 insulation adaptors, set of 3 mechanical lugs, M16 connection stud, set of 3 back plug assembly, mastic & EPR tapes
- Cable sealing and environmental protection available as tapes, heatshrink or coldshrink tubes
- A full cable specification detailing core insulation diameter of the cable is required at time of order
- Please contact PSG for us with 3 core cables or cables with copper tape screens as additional trifurcating modules or earthing kits may be required

Part Number	Voltage	Current	Cable Size Range
RCPT-42A	11-42kV	1250A	400-630mm²

11/42kV Asymmetrical Compact Branch Separable Connector

A range of compact branch separable connectors designed to connect large cross section 11kV & 33kV copper or aluminium cables onto the back of a separable connector connected to the C2 interface 1250 amp bushing on the switchgear.

Features & Benefits

- Designed to connect cables to switchgear, transformer and motor
- A thick conductive EPDM jacket provides a total safe to touch screen
- Compact design – asymmetrical body allows minimum depth of connection which is critical when multiple connection are made onto the same bushing
- Suitable for copper or aluminium conductors from 70-400mm²
- EPDM moulded body with semi conductive outer layer
- Continuous current 1250A
- Mounting can be vertical, horizontal or any angle in between
- Conforms to HD629.1 S2 and IEC60502-4
- The branch separable connector kit comprises at set of 3 EPDM moulded bodies, set of 3 insulation adaptors, set of 3 mechanical lugs, M16 extension rod, mastic & EPR tapes
- Cable sealing and environmental available as tapes, heatshrink or coldshrink tubes
- A full cable specification detailing core insulation diameter of the cable is required at time of order
- Please contact PSG for us with 3 core cables or cables with copper tape screens as additional trifurcating modules or earthing kits may be required

Part Number	Voltage	Current	Cable Size Range
RBCPT-42A	11-42kV	1250A	400-630mm²

11/36kV Symmetrical Separable Connector

A range of symmetrical separable connectors designed to connect small cross section 11kV & 33kV copper or aluminium cables to a type C1 interface 630 amp bushings on switchgear.

Features & Benefits

- A thick conductive EPDM jacket provides a total safe to touch screen
- EPDM moulded body with semi conductive outer layer
- Continuous current 630A (900A overload for 8 hours)
- Conforms to HD629.1 S2 and IEC60502-4
- The separable connector kit comprises at set of 3 EPDM moulded bodies, set of 3 insulation adaptors, set of 3 mechanical lugs, M16 connection stud, set of 3 back plug assembly, mastic & EPR tapes
- Cable sealing and environmental protection available as tapes, heatshrink or coldshrink tubes
- Please contact PSG for us with 3 core cables or cables with copper tape screens as additional trifurcating modules or earthing kits may be required

Part Number	Voltage	Current	Cable Size Range
RCPT-36S	11-36kV	630A	25-400mm²

11/36kV Symmetrical Separable Connector – Coupling Kit

A range of symmetrical separable connectors coupling assemblies that are designed to facilitate the connection of multiple cables onto the same C1 630 amp bushing.

Features & Benefits

- Designed to connect into the back of symmetrical separable connectors to enable multiple cables to be connected to the same bushing in piggy back formation
- Kit consist of set of 3 coupling pieces

Part Number	Voltage	Current
RPC-36S	11-36kV	630A

11/36kV Symmetrical Separable Connector – Back Plug

A range of symmetrical separable connectors back plug assemblies designed to complete the termination when only one cable is connecting to the C1 630 amp interface bushing.

Features & Benefits

- Designed to seal and insulate into the back of symmetrical separable connectors to ensure the product becomes touch safe
- Kit consist of set of 3 back plugs, set of 3 M16 studs and set of 3 back covers

Part Number	Voltage	Current
RRP-36S	11-36kV	630A

11/24kV Dead-Break Tee Connector (676LR)

A range of separable Tee connectors to connect all XLPE type cables to a 600 Series/Type D (1250amp) bushing with a ⅝" mm threaded stud. Multiple cables per phase are possible when using coupling connectors.

Features & Benefits

- The separable connector comprises of connector housing, cable reducer, insulating back plug and rubber cap, clamping screw and conductor contact
- Designed to connect cables to transformers/switchgear and motors
- Suitable for both copper wire and copper tape screen polymeric cables
- A thick conductive EPDM jacket provides a total safe to touch screen
- Each connector is tested for AC withstand and partial discharge prior to leaving the factor

Part Number	Voltage	Current	Cable Size Range
676LR/G	11KV	1250amp	50-630mm²
K676LR/G	24KV	1250amp	35-630mm²

11/42kV Dead-Break Compact Tee Connector (784TB)

A range of separable Tee connectors to connect all XLPE type cables to a 700 Series/Type E (800amp) bushing with a ⅝" mm threaded stud. Standard kits are designed for 1c copper wire screen cables but with the addition of copper tape screen earth kit can also be used on 3core and single core armoured cables. This compact tee connector replaces the 775LR connector range and are supplied in sets of 3.

Features & Benefits

- The separable connector comprises of connector housing, cable reducer, insulating back plug and rubber cap, clamping screw and conductor contact
- Designed to connect cables to transformers/switchgear and motors
- Suitable for both copper wire and copper tape screen polymeric cables
- A thick conductive EPDM jacket provides a total safe to touch screen
- Each connector is tested for AC withstand and partial discharge prior to leaving the factory
- Certified and Tested to CENELEC HD 629

Part Number	Voltage	Current	Cable Size Range
784TB/G	11KV	800amp	50-630mm²
K784TB/G	24KV	800amp	35-630mm²
M784TB/G	36KV	800amp	35-630mm²
P784TB/G	42KV	800amp	35-630mm²

11/42kV Dead-Break Compact Tee Connector (909TB)

A range of separable Tee connectors to connect all XLPE type cables to a Type F (630-2500amp) bushing with a 16mm thread. Standard kits are designed for 1c copper wire screen cables but can also be used on 3core and single core armoured cables with the addition of further accessories.

Features & Benefits

- The separable connector comprises of connector housing, cable reducer, insulating back plug and rubber cap, clamping screw and conductor contact
- Designed to connect cables to transformers/switchgear and motors
- Suitable for both copper wire and copper tape screen polymeric cables
- A thick conductive EPDM jacket provides a total safe to touch screen
- Each connector is tested for AC withstand and partial discharge prior to leaving the factory
- Screen break as standard, supplied with earth lead
- Certified and Tested to CENELEC HD 629.1

Part Number	Voltage	Current	Cable Size Range
909TB/G	11KV	630/1250/2500	500-1200mm²
K909TB/G	24KV	630/1250/2500	400-1200mm²
M909TB/G	36KV	630/1250/2500	240-1200mm²
P909TB/G	42KV	630/1250	240-1200mm²

11/42kV Coupling Connector (909PB)

A range of separable elbow coupling connectors for 909TB Series/Type F (630-2500amp) termination. Standard kits are designed to couple 2 or more cables together enabling you to have more than 1 cable per phase.

Features & Benefits

- The coupling connectors comprises of connector housing, cable reducer, contact rod and conductor contact
- Designed to connect more than 1 cable per phase
- Suitable for both copper wire and copper tape screen polymeric cables
- A thick conductive EPDM jacket provides a total safe to touch screen
- Each connector is tested for AC withstand and partial discharge prior to leaving the factory
- Certified and Tested to CENELEC HD 629

Part Number	Voltage	Current	Cable Size Range
909PB/G	11KV	630/1250/2500	500-1200mm²
K909PB/G	24KV	630/1250/2500	400-1200mm²
M909PB/G	36KV	630/1250/2500	240-1200mm²
P909PB/G	42KV	630/1250	240-1200mm²

11/24kV Cable Distribution Cabinets c/w Screened Separable Connectors - 250A System

A range cable distribution cabinets designed to enable the branching of 11kV & 24kV cables within lockable and secure cable cabinets. These enclosures are rated up to 250A and enable easy disconnection of MV.

Features & Benefits

- The cable cabinet is manufactured from hot dipped galvanised sheet with foundation base plate
- The screened separable connectors are connected to the cabinet through the bushings which are mounted in the enclosure
- The cabinet is supplied with padlock and shackles
- Any cable can be disconnected for live sectioning or to be earthed
- The cable cabinet is rated to 250A and available in a 11kV & 24kV version
- Enclosure meets the requirements of mechanical impact test IEC60439-5
- Enclosure meets the requirements of electrical test SS424 14 45
- Screened separable connectors meeting the requirements of HD629.1 S1
- Screen separation kits must be used with 3 core cables
- The kit comprises 3 x 3 phase kits, screened separable connectors, capacitive test point included

Part Number	Voltage	Current	Cable Size Range
HDC-A-12250	11KV	250amp	25-95mm²
HDC-A-24250	24KV	250amp	25-95mm²

11/36kV Cable Distribution Cabinets c/w Screened Separable Connectors - 630A System

A range cable distribution cabinets designed to enable the branching of 11kV, 24kV & 36kV cables within lockable and secure cable cabinets. These enclosures are rated up to 630A and enable easy disconnection of MV circuits to facilitate testing.

Features & Benefits

- The cable cabinet is manufactured from hot dipped galvanised sheet with foundation base plate
- The screened separable connectors are connected to the cabinet through the bushings which are mounted in the enclosure
- The cabinet is supplied with padlock and shackles
- Any cable can be disconnected for live sectioning or to be earthed
- The cable cabinet is rated to 630A and available in a 11kV & 24kV version
- Enclosure meets the requirements of mechanical impact test IEC60439-5
- Enclosure meets the requirements of electrical test SS424 14 45
- Screened separable connectors meeting the requirements of HD629.1 S1
- Screen separation kits must be used with 3 core cables
- The kit comprises 3 x 3 phase kits, screened separable connectors, capacitive test point included

Part Number	Voltage	Current	Cable Size Range
HDC-A-12630-01	11kV	630amp	25-70 mm²
HDC-A-12630-02	11kV	630amp	95-300 mm²
HDC-A-12630-03	11kV	630amp	400-630 mm²
HDC-A-24630-01	24kV	630amp	25-70 mm²
HDC-A-24630-02	24kV	630amp	95-300 mm²
HDC-A-24630-03	24kV	630amp	400-630 mm²
HDC-A-36630-01	36kV	630amp	50-70 mm²
HDC-A-36630-02	36kV	630amp	95-300 mm²
HDC-A-36630-03	36kV	630amp	400-630 mm²

11/36kV Screened Connex Separable Connectors

A range of inner cone separable connectors designed for connecting screened polymeric cables to the inner cone Connex bushing. The Connex range is designed for the use in ring main units, Switchgear, and circuit breakers. Bushing sizes 0-3s cover a current rating of 250amp trough to 1250amp.

Features & Benefits

- The standard separable connector is designed for 1c copper wire screen cables but can be used on copper tape screen armoured cables with the addition of further accessories
- Bushing sizes 0-3S covers a current rating of 250amp to 1250amp (under the 1st feature listed below)
- Heatshrinkable 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
- Designed to connect cables to transformers/switchgear and motors
- Sold in sets of 3
- Tested to Cenelec EN 50180, 50181
- Specialist installations tools needed, please contact the sales office for further detail

Part Number	Size	Voltage	Cable Size	Current
870-01X-XXX	0	11KV	25-70mm²	250amp
870-02X-XXX	0	24KV	25-70mm²	250amp
870-11X-XXX	1	11KV	25-240mm²	630amp
870-12X-XXX	1	24KV	25-240mm²	630amp
870-13X-XXX	1	36KV	25-240mm²	630amp
870-21X-XXX	2	11KV	25-400mm²	800amp
870-22X-XXX	2	24KV	25-400mm²	800amp
870-23X-XXX	2	36KV	25-400mm²	800amp
870-31X-XXX	3	11KV	35-800mm²	1250amp
870-32X-XXX	3	24KV	35-800mm²	1250amp
870-33X-XXX	3	36KV	35-800mm²	1250amp
870-335-XXX	3XL	36KV	35-800mm²	1250amp

Connex Dummy Plug

Part Number	Size	Description
827-150-005	0	Dummy Plug for sealing Connex bushing
827-150-002	1	Dummy Plug for sealing Connex bushing
827-150-003	2	Dummy Plug for sealing Connex bushing
827-150-004	3	Dummy Plug for sealing Connex bushing

Connex Protection Cap

Part Number	Size	Description
827-134-004	0	Protection cap for Connex bushing
827-134-001	1	Protection cap for Connex bushing
827-134-002	2	Protection cap for Connex bushing
827-134-003	3	Protection cap for Connex bushing

Cable Installation Equipment

Contents

Cable Rollers

An extensive range of cable roller designed ease cable handling and pulling of cables on site which are used in open route, trench and installations on cable management.

Features & Benefits

- Manufactured out of zinc plated steel
- Available in other sizes to suit bespoke applications on request

Part No	Description	Cable Dia	Roller Dia	Base Area	Weight kg
SLR1	Compact cable roller designed for use in confined spaces	90.0	76.0	275.0 x 150.0	2.5
SLR2	Compact bridge roller which can be placed over existing cables	90.0	76.0	275.0 x 150.0	2.6
SLR3	Compact cable roller which can be bolted to cable management	90.0	76.0	200.0 x 160.0	2.0
SLR4	Standard duty cable roller designed for use with large LV power cables	130.0	110.0	300.0 x 225.0	3.8
SLR5	Standard bridge roller designed to be placed over existing cables	130.0	110.0	300.0 x 225.0	3.9
SLR6	Standard cable roller which can be bolted to cable management	130.0	110.0	200.0 x 160.0	2.0
SLR7	Heavy duty cable roller designed for use with MV power cables	130.0	110.0	410.0 x 205.0	3.5
SLR8	Heavy duty bridge roller which can be placed over existing cables	130.0	110.0	400.0 x 360.0	4.3
SLR9	Heavy duty cable roller with solid base for soft ground	130.0	110.0	300.0 x 215.0	4.3
SLR10	Heavy duty cable roller designed for use with large MV cables	205.0	110.0	300.0 x 350.0	4.9
SLR11	Heavy duty cable roller designed to fit onto cable ladder	130.0	110.0	400.0 x 225.0	4.0

Roll on Cable Drum Rotator

A high quality range of cable rotators which are designed to unreel cable from a cable drum.

Features & Benefits

- Manufactured from pressed/rolled steel
- Available in 2 versions up to 800mm fixed or variable dependant on cable size

Part No	Cable Size mm	Cable Width mm	Max Weight kg
DR2	300 – 1200	700	29
DR3	300 – 2200	Variable	1500

Hydraulic Cable Drum Jacks

A high quality hydraulic cable jack that is designed together with a spindle to handle a large range of cable drums in the cable yard or out onsite.

Features & Benefits

- Manufactured out of hot dipped galvanised steel
- Available in 3 different sizes

Part No	Cable Size mm	Base Size mm	Max Weight Tonne
HDJ3	725 - 2500	700 x 450	3
HDJ6.5	750 - 3000	900 x 450	6.5
HDJ10	800 - 3500	900 x 450	10

Mechanical Cable Drum Jacks

A high quality range of mechanical cable jacks that are designed together with a spindle to handle a large range of cable drums in the cable yard or out onsite.

Features & Benefits

- Manufactured out of hot dipped galvanised steel
- Available in 3 different sizes

Part No	Closed Height mm	Open Height mm	Base Size mm	Max Weight Tonne
MJ3	500	815	300 x 300	3
MJ6	635	950	450 x 300	6
MJ8	800	1205	600 x 300	10

Cable Drum Spindles

A high quality range of cable drum spindles that are designed together with cable jacks to handle a large range of cable drums in the cable yard or out onsite.

Features & Benefits

- Manufactured out of solid steel rod
- Please ask the sales office about locking collars

Part No	Diameter mm	Length mm	Max Weight Tonne	Locking Collar Code
DB6-1200	50	1200	6	LC50
DB6-1500	50	1500	6	LC50
DB6-2000	76	2000	10	LC76

Single Eye Cable Stocking

A high quality range of single eye cable stockings ideal designed to pull medium to heavy loads from the cable end.

Features & Benefits

- Manufactured out of hot dipped galvanised steel weave
- Available in 9 different sizes

Part No	Cable Size mm	Overall Length mm	Approx Breaking Strength (kg)
SE10-13	10 – 13	305	760
SE13-19	13 – 19	430	1015
SE19-25	19 - 25	510	2540
SE25-38	25 – 38	610	3555
SE38-50	38 – 50	735	5080
SE50-63	50 – 63	865	5080
SE63-89	63 – 89	990	6095
SE89-115	89 – 115	990	7110
SE115-130	115 – 130	990	7110

Double Eye Cable Stocking

A high quality range of double eye cable stockings designed to pull medium to heavy loads with a double eye which enables the cable to be passed through the stocking to facilitate pulling from multiple points along the cable.

Features & Benefits

- Manufactured out of hot dipped galvanised steel weave
- Available in 9 different sizes

Part No	Cable Size mm	Overall Length mm	Approx Breaking Strength (kg)
DE10-13	10 – 13	230	760
DE13-19	13 – 19	355	1015
DE19-25	19 - 25	405	2540
DE25-38	25 – 38	455	3555
DE38-50	38 – 50	535	5080
DE50-63	50 – 63	610	5080
DE63-89	63 – 89	685	6095
DE89-115	89 – 115	685	7110
DE115-130	115 – 130	685	7110

Lace Up Cable Stocking

A high quality range of lace up cable stockings designed to pull medium to heavy loads. The lace up cable stocking is similar in use to the double eye but the grip is positioned on the cable and then stitched together, this particularly useful when the pull is from some way down the cable or when this is a connector on the cable end.

Features & Benefits

- Manufactured out of hot dipped galvanised steel weave
- Available in 9 different sizes

Part No	Cable Size mm	Overall Length mm	Approx Breaking Strength (kg)
LU10-13	10 – 13	305	760
LU13-19	13 – 19	430	1015
LU19-25	19 - 25	510	2540
LU25-38	25 – 38	610	3555
LU38-50	38 – 50	735	5080
LU50-63	50 – 63	865	5080
LU63-89	63 – 89	990	6095
LU89-115	89 – 115	990	7110
LU115-130	115 – 130	990	7110

Triplex Cable Stocking

A high quality range of lace up cable stockings designed to pull medium to heavy loads in triplex cable formation as opposed to installing 3 individual pulling stockings or harnesses on the individual cores of the cable.

Features & Benefits

- Manufactured out of hot dipped galvanised steel weave
- Available in 9 different sizes

Part No	Cable Size mm	Overall Length mm	Lattice Weave
TR13-19	13 – 19	430	Single
TR19-25	19 - 25	355	Single
TR25-38	25 – 38	405	Single
TR38-50	38 – 50	455	Double
TR50-63	50 – 63	535	Double
TR63-89	63 – 89	610	Double
TR89-115	89 – 115	685	Double
TR115-130	115 – 135	685	Double

Duct Brushes

A high quality range of duct brushes which are fitted with steel rotating fixing eyes each end to loosen debris and clean the duct chamber to avoid damaging the cables during cable installation.

Features & Benefits

- Manufactured out of steel frame with nylon core and fibre wires
- Used to clean out cable ducts in preparation for a new cable installation
- Available in other sizes on request

Part No	Brush Diameter mm
CDB1	57
CDB2	80
CDB3	86
CDB4	95
CDB5	108
CDB6	150
CDB7	175
CDB8	200

Wire Brush Pigs

A high quality range of wire brushes pigs which are fitted with steel rotating fixing eyes each end to loosen heavy debris, remove corrosion and clean the duct chamber to avoid damaging the cables during cable installation.

Features & Benefits

- Manufactured out of steel frame with abrasive fibre wires
- Used to clean out cable ducts in preparation for a new cable installation
- Available in other sizes on request

Part No	Brush Diameter mm
WPB1	80
WPB2	100
WPB3	125
WPB4	150
WPB5	200
WPB6	250

Universal Cable Cleaning Wipes

A high quality range of universal cable cleaning wipes that have been specifically designed around the requirements to clean greases, gels, oils, chemicals and other contaminants from cable.

Features & Benefits

- Universal Cable Cleaning Wipes that are widely used in the power distribution sector for cable cleaning during cable preparation before jointing and terminating of cables on medium and high voltage networks
- A bulk pack of lint free cable cleaning wipes saturated with a limited amount of solvent but enough to complete the job while keeping safety in mind
- Evaporates slowly allowing more work time
- Compatible with most plastic, polymers and rubber materials
- Excellent solvency
- Contains no chlorinated solvents
- Available in other pack quantities on request

Part No	Pack Quantity
CCW400	400

Universal Solvent Cleaner/Degreaser

A high quality range of universal cleaner / degreaser that have specifically designed as a multipurpose solvents in industrial and heavy industrial applications, replacing the need for ozone depleting CFCs, trichloroethane and other carcinogenic chlorinated solvent.

Features & Benefits

- Universal Cable Cleaner/Degreasers that are widely used in the power distribution sector for cable cleaning during cable preparation before jointing and terminating of cables on medium and high voltage networks
- A solvent cleaner / degreaser for ALL electrical cleaning needs
- Compatible with most plastic, polymers and rubber materials
- Evaporates slowly allowing more work time
- Excellent solvency
- No residue and non conductive
- Contains no chlorinated solvents
- Available in 4 different sizes

Part No	Size Litres
HP16LF	0.48
HP35LF	0.95
HP128LF	3.80
HP640LF	18.90

High Performance Pulling Lubricant – NN/NB Type

A high performance range of silicone based cable pulling lubricants designed to perform in wet conditions and offer superior friction reduction on medium to heavy load underground power distribution and transmission cable installations.

Features & Benefits

- NN & NB Type silicone pulling lubricants are North America's preferred product for the longest pulls of heavy transmission cable and pulling cables in a wet environment
- NN type is ideal for use with silicone lined and pre-lubed ducts
- NB type uses small friction rollers to compensate for non lined or lubed ducts
- Superior friction reduction when used with HDPE and PVC materials
- NN & NB pulling lubricants are slow drying and leave a thin film that retains its lubricity for months after installations
- Water resistant and does not wash off
- Reduces tension even when pulling in wet conditions
- A winter grade is available which performs at temperatures as low as -30C
- Can be installed with a drill powered LP-D5 installation pump

Part No NN Type	Part No NB Type	Pack Quantity Litres
NN-128	**NB-128**	3.8
NN-320	**NB-320**	9.5
NN-640	**NB-640**	18.9
NN-DRUM	**NB-DRUM**	208
NN-TOTE	**NB-TOTE**	1,040

Pulling Lubricant – J Type

A universal cable pulling lubricant which is designed to provide superior friction reduction in all types of cable pulling but is recommended for long pulls, multiple bend pulls in general electrical and distribution / transmission cable installations.

Features & Benefits

- Type J cable pulling lubricant is the most versatile all round product on the market which is recommended for long pulls and multiple bend pull in hot environments
- Available in pourable version to facilitate pumping of lubricant into cable ducts
- Type J pulling lubricant is slow drying and leaves a thin film that retains its lubricity for months after installations
- Harmless to humans and environmental safe
- Clean and non-staining which minimises clean up time
- High cling factor and stays on cable jacket during application
- A winter grade is available which performs at temperatures as low as -30C
- Can be installed with a drill power LP-D5 installation pump

Part No J Type	Part No J - Pourable	Pack Quantity Litres
J-128	**PJ-128**	3.8
J-320	**PJ-320**	9.5
J-640	**PJ-640**	18.9
J-DRUM	**PJ-DRUM**	208
J-TOTE	**PJ-TOTE**	1,040

LSZH Pulling Lubricant – LZ Type

A range of cable pulling lubricants designed for use with LSZH cable jackets to offer superior friction reduction on commercial, industrial, power, rail, oil and gas cable installations.

Features & Benefits

- LZ pulling lubricants are the preferred product for the use with LSZH cable jackets in long difficult cable pulls where aging of the cable jacket is a concern based on evidence of damage derived from the use of wax based pulling lubricants
- Extensively tested on LSZH/LSHF thermoplastic and thermoset cable jackets
- Safe and recommended for use on CSPE fire retardant cable jackets
- A winter grade is available which performs at temperatures as low as -30C
- Can be installed with a drill powered LP-D5 installation pump
- Other sizes available on request

Part No LZ Type	Pack Quantity Litres
LZ-128	3.8
LZ-320	9.5
LZ-640	18.9
LZ-DRUM	208
LZ-TOTE	1,040

Drill Operated Cable Lubricant Pump

A drill operated cable lubricant pump which is designed to consistent lubrication with less effort when pulling cable in horizontal and vertical conduits and ducts.

Features & Benefits

- Drill operated cable lubricant pump is recommended to for long, difficult cable pulls where consistent lubrication is essential to avoid damage to the cable sheath and speed up the cable installation process
- Eliminates hand scooping, messy pouring and lengthy clean ups
- Adjustable pumping rate which be tailored to the cable size and pulling speed
- Solid brass body is durable and corrosion resistant and unaffected by water based lubricants
- Can be used with any water, silicone or gel based pulling lubricant

Part No	Description	Pump Rate
LP-D5	Drill powered pump for 18.9 Litre bucket and 208 Litre drum (supplied complete with two applicators)	4.5L / Minute

Heavy Duty Cable Protection Drum - Stokbord

Stokbord has become the product of choice for electric utilities and is widely used to protect medium and high voltage cables which are direct buried worldwide.

Features & Benefits

- Stokbord Drums provide installers with a quicker installation on site
- Stokbord are highly visible and very durable with the ability to resist both hand tools and mechanical plant
- Rot proof and resistant to a wide range of soil conditions
- Environmentally friendly as manufactured from recycled polyethylene
- Red background with yellow central section and black lettering
- Impact protection to BS 2484 1985 Part 4 & ENA-TS-12-23 Issue 3 2013 & National Grid TS 3.05.07 Issue 6 2011 Appendix 6
- Other sizes and bespoke branding available on request

Part No	Width mm	Length m	Detail
STD150	150	40	CAUTION ELECTRIC CABLE BELOW
STD200	200	40	CAUTION ELECTRIC CABLE BELOW

Heavy Duty Plastic Cable Covers - Stokbord

A range of heavy duty recycled polyethylene polymer cable covers that are designed to provide cable protection to prevent damage to underground direct buried power cables.

Features & Benefits

- Stokbord has become the product of choice for electric utilities and is widely used to protect medium and high voltage cables which are direct buried worldwide
- Stokbords are highly visible and very durable with ability to resist both hand tools and mechanical plant
- Improves health and safety and minimises costly mistakes
- Lightweight and easy to handle and install
- Rot proof and resistant to a wide range of soil conditions
- Environmental friendly as manufactured from recycled polyethylene
- Red background with yellow central section and black lettering
- Impact Protection to BS 2484 1985, Part 4 & ENA-TS 12-23 Issue 3 2013 & National Grid TS 3.05.07 Issue 6 2011 Appendix 6
- DNO & TSO branded products available on request
- Other sizes and branding available on request

Part No	Width mm	Length mm	Detail
STB152	152	1000	CAUTION ELECTRIC CABLE BELOW
STB244	244	1000	CAUTION ELECTRIC CABLE BELOW
STB300	300	1000	CAUTION ELECTRIC CABLE BELOW
STB450	450	1000	CAUTION ELECTRIC CABLE BELOW

Heavy Duty Plastic Cable Rolls - Tapetile

A range of heavy duty recycled polyethylene polymer cable rolls that is designed to provide cable protection to prevent damage to underground direct buried power cables.

Features & Benefits

- Tapetile is commonly used by electric utilities and power contractors to protect medium and high voltage cables which are direct buried when a quick installation is required
- Tapetile is highly visible and very durable with ability to resist both hand tools and mechanical plant
- Improves health and safety and minimises costly mistakes
- Lightweight and easy to handle and install
- Rot proof and resistant to a wide range of soil conditions
- Environmental friendly as manufactured from recycled polyethylene
- Red background with yellow central section and black lettering
- Impact Protection to BS 2484 1985, Part 4 & ENA-TS 12-23 Issue 3 2013
- DNO & TSO branded products available on request
- Other sizes and branding available on request

Part No	Width mm	Length m	Detail
TT150	150	40	CAUTION ELECTRIC CABLE BELOW
TT200	200	40	CAUTION ELECTRIC CABLE BELOW

Detectable Underground Warning Mesh - Locata

A range of high quality recycled polyethylene underground warning mesh that are designed to locate underground cable installation.

Features & Benefits

- Locata detectable warning mesh are manufactured from recycled polyethylene with a stainless steel tracer wire installed in the mesh to enable location at the surface by a CAT & Genny etc
- Locata is manufactured in different colour to highlight the utility or service they are installed to protect (ie Yellow = Electric, Blue = Water, Green = Telephone etc)
- Locata product are highly visible and is designed to enable cable installation location but does not offer any cable protection
- Resistant to most soil conditions alkaline and acidic soils
- Improves health and safety and minimises costly mistakes
- Lead free polyethylene pigments
- Lightweight and easy to handle and install
- Available in different sizes, colours and branding on request

Part No	Width mm	Length m	Detail
DUWM200	200	100	CAUTION ELECTRIC CABLE BELOW

Underground Warning Mesh - Locata

A range of high quality recycled polyethylene underground warning mesh that are designed to locate underground cable installation.

Features & Benefits

- Locata underground warning mesh is manufactured from recycled polyethylene
- Locata is manufactured in different colour to highlight the utility or service they are installed to protect (ie Yellow = Electric, Blue = Water, Green = Telephone etc)
- Locata product are highly visible and is designed to enable cable installation location but does not offer any cable protection
- Resistant to most soil conditions alkaline and acidic soils
- Improves health and safety and minimises costly mistakes
- Lead free polyethylene pigments
- Lightweight and easy to handle and install
- Available in different sizes, colours and branding on request

Part No	Width mm	Length m	Detail
UWM200	200	100	CAUTION ELECTRIC CABLE BELOW

Underground Caution Tape - Locata

A range of high quality recycled polyethylene underground caution tape that are designed to locate and identify underground cable installations.

Features & Benefits

- Locata underground caution tapes are manufactured from recycled polyethylene and is mainly used by civils and electric utilities to alert excavators of buried power cables below
- Locata is manufactured in different colour to highlight the utility or service they are installed to protect (ie Yellow = Electric, Blue = Water, Green = Telephone etc)
- Locata product are highly visible but do not offer any cable protection
- Resistant to most soil conditions alkaline and acidic soils
- Improves health and safety and minimises costly mistakes
- Lead free polyethylene pigments
- Very lightweight and easy to handle and install
- Available in different sizes, colours and branding on request

Part No	Width mm	Length m	Detail
UCT150	150	365	CAUTION ELECTRIC CABLE BELOW

Earthing

Contents

Bare Soft Annealed Copper Tape

A range of soft annealed bare copper tapes that are used as high conductivity, corrosion resistant conductors as part of an earthing or lightning protection system.

Features & Benefits

- Conductor size calculated based on system fault rating and the recommendations of BS7430
- Manufactured from high conductivity copper to BS EN 13601
- Soft annealed to aid conductor installation
- Can be supplied with bespoke stamping (ie National Grid)
- Non standard coil sizes on request
- Bespoke conductor sizes available on request

Part No	Size mm	CSA mm²	Weight m / kg	Standard Coil Size m
TC253	25 x 3	75	0.67	50
TC254	25 x 4	100	0.89	50
TC256	25 x 6	150	1.34	40
TC386	38 x 6	228	2.03	25
TC403	40 x 3	120	1.07	40
TC404	40 x 4	160	1.43	30
TC406	40 x 6	240	2.14	25
TC504	50 x 4	200	1.78	30
TC506	50 x 6	300	2.68	20
TC606	60 x 6	360	3.21	15
TC706	70 x 6	420	3.75	15
TC806	80 x 6	480	4.28	12

PVC Covered Soft Annealed Copper Tape

A range of soft annealed PVC covered copper tapes that are used as high conductivity, corrosion resistant conductors as part of an earthing or lightning protection system.

Features & Benefits

- Conductor size calculated based on system fault rating and the recommendations of BS7430
- Manufactured from high conductivity copper to BS EN 13601
- Soft annealed to aid conductor installation
- Available in 10 standard colours on request
- Can be supplied with bespoke stamping (ie National Grid)

Part No	Size mm	CSA mm²	Weight m / kg	Colour	Standard Coil Size m
TP253 BL	25 x 3	75	0.73	Black	25
TP253 GR	25 x 3	75	0.73	Green	25
TP253 G	25 x 3	75	0.73	Grey	25
TP253 S	25 x 3	75	0.73	Black	25
TP253 W	25 x 3	75	0.73	Black	25
TP253 B	25 x 3	75	0.73	Black	25
TP253 GY	25 x 3	75	0.73	Green/Yellow	25
TP256 GR	25 x 6	150	1.53	Green	40
TP506 GR	50 x 6	300	2.95	Green	20

Soft Drawn Bare Stranded Copper Cable

A range of soft drawn bare stranded copper cables that are used as high conductivity, corrosion resistant conductors as part of an earthing or lightning protection system.

Features & Benefits

- Conductor size calculated based on system fault rating and the recommendations of BS7430
- Manufactured from high conductivity copper to BS EN 13601
- Soft drawn to ensure a flexible conductor installation
- Available in different coil sizes on request
- Supplied in any length in line customer requirements

Part No	CSA mm²	Stranding Details	Weight m / kg
SCC025	25	7 x 2.10	0.23
SCC035	35	7 x 2.52	0.31
SCC050	50	19 x 1.78	0.44
SCC070	70	19 x 2.14	0.62
SCC095	95	19 x 2.52	0.82
SCC120	120	32 x 2.03	1.03
SCC150	150	32 x 2.25	1.44
SCC185	185	32 x 2.52	1.63
SCC240	240	61 x 2.25	2.30
SCC300	300	61 x 2.25	2.76
SCC400	400	61 x 2.85	3.75

Hard Drawn Bare Stranded Copper Cable

A range of hard drawn bare stranded copper cables that are used as high conductivity, corrosion resistant conductors as part of an earthing or lightning protection system.

Features & Benefits

- Conductor size calculated based on system fault rating and the recommendations of BS7430
- Manufactured from high conductivity copper to BS EN 13601
- Hard drawn to prevent "birdcaging" during installation
- Available in different coil sizes on request
- Supplied in any length in line customer requirements

Part No	CSA mm²	Stranding Details	Weight m / kg
HCC035	35	7 x 2.50	0.31
HCC050	50	7 x 3.00	0.44
HCC050-2	50	19 x 1.80	0.44
HCC070	70	7 x 3.55	0.62
HCC070-2	70	19 x 2.10	0.62
HCC095	95	19 x 2.52	0.82
HCC120	120	19 x 2.80	1.03
HCC150	150	19 x 3.20	1.44
HCC185	185	19 x 3.55	1.63
HCC240	240	61 x 2.25	2.30
HCC300	300	61 x 2.52	2.76

PVC Covered Soft Copper Cable – 6491X

A range of green & yellow PVC covered soft stranded copper cables that are used as high conductivity, corrosion resistant conductors as part of an earthing or lightning protection system.

Features & Benefits

- Conductor size calculated based on system fault rating and the recommendations of BS7430
- Manufactured from high conductivity copper to BS 6004
- Soft drawn to ensure a flexible conductor installation
- Available in different coil sizes on request
- Supplied in any length in line customer requirements

Part No	CSA mm²	Stranding Details	Weight m / kg
SCC025 -6491X	25	7 x 2.10	0.23
SCC035 -6491X	35	7 x 2.52	0.31
SCC050 -6491X	50	19 x 1.78	0.44
SCC070 -6491X	70	19 x 2.14	0.62
SCC095 -6491X	95	19 x 2.52	0.82
SCC120 -6491X	120	32 x 2.03	1.03
SCC150 -6491X	150	32 x 2.25	1.44
SCC185 -6491X	185	32 x 2.52	1.63
SCC240 -6491X	240	61 x 2.25	2.30
SCC300 -6491X	300	61 x 2.25	2.76
SCC400 – 6491X	400	61 x 2.85	3.75

LSOH Covered Soft Copper Cable – 6491B

A range of green LSOH PVC covered soft stranded copper cables that are used as high conductivity, corrosion resistant conductors as part of an earthing or lightning protection system.

Features & Benefits

- Conductor size calculated based on system fault rating and the recommendations of BS7430
- Manufactured from high conductivity copper to BS 6004
- Soft drawn to ensure a flexible conductor installation
- Available in different coil sizes on request
- Supplied in any length in line customer requirements

Part No	CSA mm²	Stranding Details	Weight m / kg
SCC025 -6491B	25	7 x 2.10	0.23
SCC035 -6491B	35	7 x 2.52	0.31
SCC050 -6491B	50	19 x 1.78	0.44
SCC070 -6491B	70	19 x 2.14	0.62
SCC095 -6491B	95	19 x 2.52	0.82
SCC120 -6491B	120	32 x 2.03	1.03
SCC150 -6491B	150	32 x 2.25	1.44
SCC185 -6491B	185	32 x 2.52	1.63
SCC240 -6491B	240	61 x 2.25	2.30
SCC300 -6491B	300	61 x 2.25	2.76
SCC400 -6491B	400	61 x 2.85	3.75

Non Metallic DC Tape Clips

A range of Non Metallic DC Tape clips designed to fix flat tape conductors to a building structure in a lightning protection system or a foundation in an above ground section of an earthing system.

Features & Benefits

- One piece hinged design to ensure no dropped or lost lids
- UV Stabilised to prevent degradation
- Non brittle to protect against cold weather
- Available in 6 colours on request
- Fix with Countersunk woodscrew 1½" x No 10 with No 10 Wallplug
- Available in other sizes on request

Part No	Size mm	Dimensions			Weight Kg	Colour
		L	W	H		
NM253BL	25 x 3	50	18	16	0.01	Black
NM253B	25 x 3	50	18	16	0.01	Brown
NM404BL	40 x 4	85	31	27	0.03	Black
NM404B	40 x 4	85	31	27	0.03	Brown
NM406BL	40 x 6	85	31	27	0.03	Black
NM406B	40 x 6	85	31	27	0.03	Brown
NM506BL	50 x 6	85	31	27	0.03	Black
NM506B	50 x 6	85	31	27	0.03	Brown

Metallic DC Tape Clips

A range of Metallic DC Tape clips designed to fix flat tape conductors to a building structure in a lightning protection system or a foundation in an above ground section of an earthing system.

Features & Benefits

- Manufactured from high copper alloy
- Pozi-drive screws to ensure better contact when installing
- Tested and certified to BS EN 62561-4
- Tightening torque 6 nm
- Fix with Countersunk woodscrew 1½" x No 10 with No 10 Wallplug
- Available in other sizes on request

Part No	Size mm	Dimensions			Weight Kg
		L	W	H	
DCB253	25 x 3	51	21	10	0.05
DCB254	25 x 4	51	21	11	0.05
DCB256	25 x 6	51	21	12	0.05
DCB386	38 x 6	69	21	12	0.08
DCB403	40 x 3	70	21	10	0.07
DCB404	40 x 4	69	21	11	0.07
DCB406	40 x 6	69	21	12	0.08
DCB504	50 x 4	76	21	11	0.09
DCB506	50 x 6	76	21	12	0.09

Oblong Tape Connector Clamps

A range of oblong tape connection clamps designed to join a range of tape sizes in a straight position which can be used as a test point in a lightning protection system or a connection clamp in an above or below ground earthing system.

Features & Benefits

- Manufactured from high copper alloy
- Tested and certified to BS EN 62561-1

Part No	Max Size mm	Dimensions			Weight Kg
		L	W	H	
JGO253W	26 x 8	60	51	24	0.34
JGO316	33 x 11	70	45	30	0.39
JGO506	51 x 10	90	63	26	0.58

Square Tape Connector Clamp

A range of square tape connector clamps designed to join a range of tape sizes in a straight, tee joint or cross position which can be used in a lightning protection system or a connection clamp in an above or below ground earthing system.

Features & Benefits

- Manufactured from high copper alloy
- Tested and certified to BS EN 62561-1

Part No	Max Size mm	Dimensions			Weight Kg
		L	W	H	
JG253	25 x 3	50	50	13	0.15
JG404	40 x 4	66	66	15	0.25
JG506	50 x 6	80	80	22	0.52

Universal Cable Connector Clamp

A range of universal cable connector clamps designed to join a range of cable sizes in a straight position which can be used as a test point in a lightning protection system or a connection clamp in an above or below ground earthing system.

Features & Benefits

- Manufactured from Naval Brass
- Tested and certified to BS EN 62561-1

Part No	CSA mm²	Dimensions			Weight Kg
		L	W	H	
UC050	50	71	21	19	0.19
UC070	70	71	21	19	0.17
UC095	95	71	21	19	0.15

C Crimp Cable Connectors

A range of C crimp cable connector clamps designed for tap and parallel connections with stranded copper cables in below ground earthing systems.

Features & Benefits

- Manufactured from high conductivity copper to BS EN 13601
- Installed with crimp dies and crimping tool (see tools & equipment section for more information)
- Available in larger sizes on request

Part No	Main mm²	Tap mm²	Dimensions			Weight Kg
			L	W	H	
CCC025	25	10-25	24	20	15	0.04
CCC035	35	25-35	27	20	15	0.05
CCC050	50	16-50	27	20	17	0.07
CCC070	50-70	35-70	34	28	21	0.07
CCC095	70-95	95	41	30	26	0.12
CCC0120	120	35-120	45	30	28	0.12
CCC0120	150	6-70	45	30	28	0.15
CCC0150	150	95-150	45	30	28	0.15
CCC0185	120-185	95-185	54	35	33	0.20
CCC0185	150-185	70-150	54	35	33	0.20

Split Bolt Cable Connectors

A range of high strength split bolt cable connector clamps designed for tap and parallel connections with stranded copper cables in below ground earthing systems.

Features & Benefits

- Manufactured from high copper alloy
- Designed in accordance with BS 7430
- No specialist tools are required for installation
- Available in larger sizes on request

Part No	Main mm²	Tap mm²	Dimensions		Weight Kg
			H mm	W mm	
SBC025	25	2.5-25	28	7	0.04
SBC035	35	2.5-35	28	8	0.05
SBC050	50	2.5-50	35	10	0.08
SBC070	70	2.5-70	39	11	0.12
SBC095	95	2.5-95	45	14	0.15
SBC120	120	10-120	47	15	0.18
SBC150	150	10-150	51	16	0.23
SBC185	185	50-185	57	18	0.35
SBC240	240	95-240	64	19	0.46

Copperbond Earth Rods

A range of high quality copperbond earth rods which are designed to be driven into the ground to ensure the interconnected earthing system has a low resistance to earth.

Features & Benefits

- Pure copper electrolytically bonded onto the steel core.
- Copper thickness minimum 250 microns
- Tested and certified to BS EN 62561-2 & UL-467
- Available in larger sizes on request

Part No	Thread inches	Shank mm	Length mm	Weight Kg
ERB112	5/8"	14.2	1200`	1.53
ERB115	5/8"	14.2	1500	1.95
ERB118	5/8"	14.2	1800	2.23
ERB124	5/8"	14.2	2400	3.00

Solid Copper Earth Rods

A range of high quality solid copper earth rods which are designed to be driven into the ground in highly corrosive areas to ensure the interconnected earthing system has a low resistance to earth.

Features & Benefits

- High conductivity copper with internal threads
- Tested and certified to BS EN 62561-2

Part No	Thread Size	Shank mm	Length mm	Weight Kg
ERC112	M10	15.0	1200	1.88
ERC115	M10	16.0	1500	2.66
ERC118	M10	16.0	1800	3.20
ERC124	M10	16.0	2400	4.28
ERC130	M10	16.0	3000	5.36

Lattice Earth Mats

A range of solid copper lattice earth mats which are designed to be installed in highly corrosive areas where ground conditions are prohibitive of a low resistance to earth.

Features & Benefits

- High conductivity copper to BS EN 13601
- Tested and certified to BS EN 62561-2

Part No	Dimensions mm	Area mm²	Grid	Weight Kg
EML603	600 x 600	0.31	5 Bar	4.00
ERC903SPC	900 x 900	0.46	6 Bar	6.10

Earth Rod Coupling Connector – Copperbond Rods

A range of high strength earth rod couplings for copperbond earth rods which are designed to connect earth rods together to facilitate deep driving for the lowest resistances.

Features & Benefits

- Manufactured out of high copper alloy
- Test & Certified to BS EN 62561-1 Class H
- Tightening torque 40 Nm
- Available in larger sizes on request

Part No	Thread inches	Dimensions		Weight Kg
		L mm	D mm	
ERB016	5/8"	68	20	0.12

Earth Rod Driving Stud – Copperbond Rods

A range of high strength re-usable threaded driving heads which are designed for driving copperbond earth rods by hand or power hammer.

Features & Benefits

- Manufactured out of high strength low carbon steel
- Available in larger sizes on request

Part No	Thread inches	Dimensions		Weight Kg
		L mm	D mm	
ERBD16	5/8"	55	22	0.08

Over Spike – Copperbond Rods

This high quality over spike is designed for use with copperbond earth rods where hard ground conditions make it prohibitive to drive earth rods.

Features & Benefits

- Manufactured out of carbon steel
- The over spike is screwed into the end of the solid copper rod to break the ground

Part No	Thread Size	Length mm	Weight Kg
ERBS16	5/8"	47	0.07

Coupling Dowel – Solid Copper Rods

This high quality coupling dowel is designed to join solid copper rods together.

Features & Benefits

- Manufactured out of Phosphor Bronze
- Test & Certified to BS EN 62561-1 Class H
- Available in larger sizes on request

Part No	Thread Size	Length mm	Weight Kg
ERD01	M12	55	0.02

Over Spike – Solid Copper Rods

This high quality over spike is designed for use with solid copper earth rods where hard ground conditions make it prohibitive to drive earth rods.

Features & Benefits

- Manufactured out of carbon steel
- The over spike is screwed into the end of the solid copper rod to break the ground

Part No	Thread Size	Length mm	Weight Kg
ERCS16	M10	20	0.03

Driving Stud – Solid Copper Rods

A range of high strength re-usable threaded driving heads which are designed for driving copperbond earth rods by hand or power hammer.

Features & Benefits

- Manufactured out of carbon steel
- The driving stud is screwed into the end of the solid copper to prevent the internal threads from damage when driving

Part No	Thread Size	Length mm	Weight Kg
ERCD16	M10	20	0.03

Earth Rod Driver

A high quality earth rod driver which is suitable for breaking difficult ground conditions and deep driving where hand installations are prohibitive.

Features & Benefits

- Designed to reduce earthing installations times
- SDS Max bit holder which is easily attached to earth rod driver attachment tool

Part No	Rated Power	Impact Energy	Impact Rate	Dimensions		Weight
	W	J	BPM	L mm	H mm	Kg
ID110	1,700	23	900-1700	680	236	11.40

SDS Max Earth Rod Driver Attachment Tool

A high quality SDS earth rod driver attachment tool which is designed to be fitted into SDS Max driving tools to enable rods to be driven into the difficult ground conditions.

Features & Benefits

- Designed to reduce earthing installations times
- Suitable for copperbond and solid copper rods up to 20mm

Part No	Rod Size	Dimensions		Weight Kg
		L mm	W mm	
ID110	5/8"	205	38	0.65

Bentonite – Moisture Retaining Clay

Bentonite is a moisture retaining clay which is used as an earth electrode backfill material to help lower soil resistivity when ground conditions are prohibitive.

Features & Benefits

- The clay is a sodium activated montmorillionite, which when mixed with water swells to many times its original dry volume.
- Available in granular or powder forms based on application

Part No	Type	Weight Kg
BEN25G	Granular	25
BEN25P	Powder	25

Marconite – Conductive Aggregate

Marconite is conductive aggregate which is used as an permanent earth electrode backfill material to help lower soil resistivity when ground conditions are prohibitive.

Features & Benefits

- High performance low resistance compound
- Recommended for use in area with poor ground conditions like rock and shale.
- Used in place of sand and aggregate with cement to form a conductive concrete
- Available in standard compound or premixed with cement

Part No	Type	Weight Kg
MAR25S	Standard Compound	25
MAR25M	Compound premixed with Cement	25

Low Res – Conductive Aggregate

Low Res is conductive aggregate which is used as an permanent earth electrode backfill material to help lower soil resistivity when ground conditions are prohibitive.

Features & Benefits

- High performance low resistance compound
- Used in place of sand and aggregate with cement to form a conductive concrete

Part No	Type	Weight Kg
EMA25	Standard Compound	25
EMA26	Compound premixed with Cement	25

Earth Rod to Tape Clamp – Type A

A range of high quality earth rod to tape clamps are designed to connect different sizes of copper tape conductors to earth rods which are normally installed within an earth pit housing.

Features & Benefits

- Manufactured out of Aluminium Bronze
- Test & Certified to BS EN 62561-1 Class H
- Tightening torque 20 Nm
- Available in larger sizes on request

Part No	Shank mm	Max Tape mm	Dimensions			Weight Kg
			L mm	W mm	H mm	
ERA1625	14.2	26 x 14	43	36	19	0.12
ERA1625	16.0	26 x 12	43	36	19	0.12
ERA1638	14.2	39 x 14	46	52	23	0.20
ERA1638	16.0	39 x 12	46	52	23	0.20
ERA1650	14.2	51 x 16	48	63	20	0.20
ERA1650	16.0	51 x 14	48	63	20	0.20

Earth Rod to Cable Clamp – Type G

A range of high quality earth rod to cable clamps are designed to connect different sizes of copper cable conductors to earth rods which are normally installed within an earth pit housing.

Features & Benefits

- Manufactured out of high copper alloy
- Test & Certified to BS EN 62561-1 Class H
- Tightening torque ERR1635 = 13 Nm, ER1670 = 12 Nm & ERR2095 = 20 Nm
- Available in larger sizes on request

Part No	Shank mm	Cable Range mm	Dimensions			Weight Kg
			L mm	W mm	H mm	
ERR1635	14.2	6 – 16	36	28	18	0.07
ERR1670	14.2	16 - 70	41	26	20	0.08
ERR1670	16.0	6 - 70	41	26	20	0.08
ERR2095	14.2	35 - 150	48	30	18	0.09
ERR2095	16.0	16 - 150	48	30	18	0.09

U Bolt Earth Rod Clamp - Single

A high quality U bolt earth rod clamps that is designed to connect copper tape conductors to earth rods in horizontal formation.

Features & Benefits

- Manufactured out of high copper alloy
- Test & Certified to BS EN 62561-1 Class H
- Tightening torque 20 Nm
- Available in larger sizes on request

Part No	Max Shank mm	Hole Centres mm	Dimensions L mm	W mm	H mm	Weight Kg
ERU016	16.0	30	58	62	33	0.17

U Bolt Earth Rod Clamp - Double

A high quality U bolt earth rod clamp that is designed to connect copper tape conductors to earth rods in vertical formation via an additional plate.

Features & Benefits

- Manufactured out of high copper alloy
- Test & Certified to BS EN 62561-1 Class H
- Tightening torque 20 Nm
- Available in larger sizes on request

Part No	Max Shank mm	Tape Width mm	Dimensions L mm	W mm	H mm	Weight Kg
ERU216	16.0	25	58	62	33	0.23

Multipurpose Rod to Cable & Tape Clamp

A high quality multipurpose rod to cable and tape clamp that is designed to connect copper cable or flat tape conductors to earth rods in horizontal or vertical formation within one universal clamp to give additional flexibility and speed up installation times.

Features & Benefits

- Manufactured out of high copper alloy
- Test & Certified to BS EN 62561-1 Class H
- Tightening torque 20 Nm
- Design registration No 4 043 590

Part No	Max Rod mm	Cable Range mm	Tape Range mm	Dimensions L mm	W mm	H mm	Weight Kg
ERU470	5/8"	6 – 185	25 x 4	72	83	66	0.55

Lightweight Earth Inspection Pit

A heavy duty polymer earth inspection pit that was designed to provide a re-enterable lightweight housing with a high safe working loads to facilitate periodic testing of an earthing system.

Features & Benefits

- Manufactured out of polypropylene with GRP lid with SWL of 6,000kg
- Tested and certified to BS EN 62561-5
- Available in grey as standard and other colours on request

Part No	Colour	Dimensions			Weight
		L mm	W mm	H mm	Kg
EPP002W	Grey	306	306	216	3.0

Concrete Earth Inspection Pit

A range of concrete earth inspection pits that were designed to provide a re-enterable lightweight housing to facilitate periodic testing of an earthing system.

Features & Benefits

- Manufactured out concrete with SWL of 4,500kg
- Tested and certified to BS EN 62561-5

Part No	Lid Type	Dimensions			Weight Kg
		L mm	W mm	H mm	
ERH01W	Plain	315	315	160	24
ERH02W	Lifting Eye	315	315	160	24
ERH03W	Plain with S/S Plate	315	315	160	24

Inspection Housing – Earth Bars

A range of inspection housing earth bars that were designed for concrete and lightweight inspection pits where multiple connections to the earth rod is required.

Features & Benefits

- Manufactured out of copper to BS 13601
- Tested and certified to BS EN 62561-1 Class H

Part No	No Holes	Pit Type	Hole mm	Dimensions			Weight Kg
				L mm	W mm	H mm	
EBC05	5	Concrete	11	285	30	6	0.49
EBC07	7	Concrete	11	285	30	6	0.49
EBC35	5	Lightweight	11	203	25	6	0.24
EBC37	7	Lightweight	11	203	25	6	0.24

Standard Earth Bars

A range of standard copper earth bars that was designed to provide a common earth point for multiple connections in an electrical installation.

Features & Benefits

- Manufactured out of copper to BS 13601 with PVC insulating base
- Tested and certified to BS EN 62561-1 Class H
- Available in standard or tinned versions
- Other sizes are available on request

Part No Standard	Part No Tinned	No Ways	Dimensions L mm	W mm	H mm	Weight Kg
EBC006	**EBB006T**	6	400	90	60	2.00
EBC008	**EBB008T**	8	500	90	60	2.30
EBC0010	**EBB010T**	10	650	90	60	3.20
EBC0012	**EBB012T**	12	750	90	60	4.00
EBC0016	**EBB016T**	16	950	90	60	5.80

Earth Bars with Single Disconnecting Link

A range of earth bars with single disconnecting link that was designed to provide a common earth point for multiple connections in an electrical installation. This product enables the installer to temporarily break the connection to the earthing and lightning protection system when testing using the disconnecting link.

Features & Benefits

- Manufactured out of copper to BS 13601 with PVC insulating base
- Tested and certified to BS EN 62561-1 Class H
- Available in standard or tinned versions
- Other sizes are available on request

Part No Standard	Part No Tinned	No Ways	Dimensions L mm	W mm	H mm	Weight Kg
EBC106	**EBB106T**	6	475	90	60	2.50
EBC108	**EBB108T**	8	575	90	60	3.00
EBC110	**EBB110T**	10	725	90	60	3.90
EBC112	**EBB112T**	12	825	90	60	4.70
EBC116	**EBB116T**	16	1025	90	60	6.50

Earth Bars with Double Disconnecting Link

A range of earth bars with double disconnecting link that was designed to provide a common earth point for multiple connections in an electrical installation. This product enables the installer to temporarily break the connection to the earthing and lightning protection system when testing using the double disconnecting link.

Features & Benefits

- Manufactured out of copper to BS 13601 with PVC insulating base
- Tested and certified to BS EN 62561-1 Class H
- Available in standard or tinned versions
- Other sizes are available on request

Part No Standard	Part No Tinned	No Ways	Dimensions L mm	W mm	H mms	Weight Kg
EBC206	**EBB206T**	6	550	90	60	3.10
EBC208	**EBB208T**	8	650	90	60	3.70
EBC210	**EBB210T**	10	800	90	60	4.50
EBC212	**EBB212T**	12	900	90	60	5.30
EBC216	**EBB216T**	16	1100	90	60	7.10

Earthing Design

An earth electrode system, professionally designed by competent engineers using the most up to date equipment and design software CDEGS is essential to ensure the safety of personnel and the protection of equipment from dangerous voltages in and around the substation. This is achieved by safely dissipating the fault current or other unwanted electrical current to the general mass of earth. A earthing design is carried out in accordance with BS 7430:2011 – The code of practice for protective earthing of electrical installations and BS EN 50522:2010 – Earthing of power installations exceeding 1kV a.c. amongst other specifications.

Soil Resistivity Survey

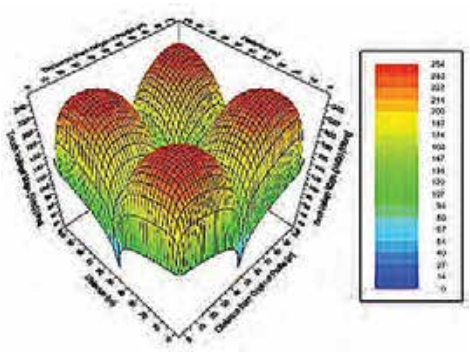
The soil resistivity survey is the first step in ensuring the correct design of an earth electrode system. It is essential that accurate measurements are taken at this stage as this data is used to determine what conductors are required in the finished earthing system to give a safe a suitable design. Therefore if inaccurate data is taken with inadequate test equipment this could lead to a vastly over or under engineered solution. The raw data from the soil resistivity survey is then analysed using CDEGS software to produce a representative electrical equivalent soil model which can then be used in the earthing design process.

Earth Electrode System Design

There are many factors which go into producing an earthing design which include fault current levels, fault duration, ground make up and interconnected sites. There parameters are analysed using CDEGS software to ensure touch, step and rise potentials are within safe levels. The system is then designed to ensure it is not only safe but also to ensure the system can be installed using the most economic processes giving you the most effective solution.

Overall System Testing

All earth electrode systems should be installed by a competent person as stated within BS 7430:2011 in accordance with the earthing design and testing to ensure compliance and the integrity of the installed system.



Tooling

Contents

US02 Adjustable Bonded Semi-Con Removal Tool

The US02 quickly and easily removes bonded semi-con from cables up to 36kV. Its Unique blade shape preserves the smooth surface on insulation, eliminating the need for additional surface finishing. Its optimal stability design securely supports cables with diameter from 18-60mm.

Features & Benefits

- Compact design removes semi-con within 33mm of the jacket on mid span
- Precision blade depth adjusts in increments of 0.1mm
- Stop position squares off the edge
- Factory set blade is easily replaced
- Suitable for cable screen diameter of between 18-60mm
- A revolving ergonomic handle & accessible adjustment knobs reduce effort & potential strain

Part No	Size Range O/D
US02-7000	18-60mm

SCS Adjustable Peelable Semi-Con Scoring Tool

The SCS semi-con removal tool has an adjustable blade depth to accommodate small to large cables sizes at differing voltage classes removing the need to a range of different depth knifes.

Features & Benefits

- Compact and user-friendly scoring tool accommodates cable diameter from 8-51mm
- Performs longitudinal, spiral and square cuts
- Precise blade depth adjustment provides accurate semi-con scoring
- Operates in a 51mm envelope on larger cables

Part No	Size Range O/D
SCS-43625	8-51 mm

Infinity Jacket and Insulation Removal Tool

The industry's most versatile, reliable and accurate adjustable tool for mid-span and end stripping on primary and secondary utility cables.

Features & Benefits

- Eliminates the need for a traditional stripping knife reducing the risk of harm
- Heavy duty tool easily removes jacket and insulation
- Easily adjusts for 12.7-63.5mm cable diameters
- Self-aligning design maintains optimum blade position to produce precision
- Recessed blade increases safety and can easily be replaced

Part No	Size Range O/D
US01-7000	12.7-63.5mm

IC Series Insulation Chamfering Tool

Cable insulation chamfering tool for XLPE Cables up to and including 33kv. This easy to use chamfering tool creates a 45° bevel at the end of your cable insulation.

Features & Benefits

- Easily adjusts to fit cable diameters from 17-47mm
- Suitable for all types of XLPE Cables up to and including 33kv
- Features d=safe, recessed blades to prevent injury and blade damage
- Chamfering tool creates a 45° bevel approx 3mm long

Part No	Insulation Diameter Range mm	Chamfer Angle
IC1	17-32	45°
IC2	32-47	45°

SCC Series Semi-Con Chamfering Tool

Cable semi-con chamfering tool for use on cables up to and including 33kv. This easy to use tool puts a small chamfer on the semi conductive layer of XLPE cables.

Features & Benefits

- Precision chamfering tool designed for 0.6-2.0mm thick semi-conductive layers
- Tool designed to operate on cable diameters from 19-50mm insulation diameters
- Easily adjusts to fit the cable diameter
- Features safe, recessed blades to prevent injury and blade damage

Part No	Insulation Diameter Range mm	Semi-Con Thickness mm
SCC1	19.2-35.3	0.6-2.0
SSC2	35.6-50.8	0.6-2.0

AJS Cable Jacket Slitter

This plough design jacket and insulation stripper is popular with all cable jointers and unlike most manufacturers Ripley tools and manufactured this with a metal body giving it a real quality.

Features & Benefits

- Professional grade slitter engineered for longitudinal and circumferential cuts on the mid spans or ends of cable
- Ideal for all cable jacket
- Blade fully retracts inside the tool body to prevent injury and blade damage

Part No	Description
AJS-43240	Outer Sheath Stripper

Alroc PG Cable Stripping Pliers

A range of cable stripping pliers' suitable for the removal of cable outer sheaths as well as lead sheaths on PILC and XLPE insulated cables. These range of tools cover a wide overall diameter range from 8-125mm.

Features & Benefits

- Suitable for the removal of outer jackets on most cable types with cable diameters between 8-125mm
- Cable also be used to remove the lead sheath on PILC and some types of HV XLPE cables
- Easy blade replacement when needed

Part No	Cable Diameter range mm
PG1	8-21
PG2	21-35
PG3	26-52
PG4	47-75
PG5	65-95
PG6	80-125

RCC Series Ratchet Cable Cutters

This hand-held ratchet cutter is made by Ripley tools and suitable for all unarmoured cables with diameter range up to 44mm.

Features & Benefits

- Compact tool cuts copper, aluminium solid and stranded conductors as well as multiple conductors in cables up to a maximum of 44.5mm diameter
- Quick release thumb lever allows the operator to halt cutting operation and remove tool if necessary
- Locking mechanism keeps the blades closed for increased safety
- Note - not suitable for armoured, steel or ACSR type cables

Part No	Size Range O/D
RCC-34925	Up to 44.5mm

Cable Preparation Knives

A range of cable preparation knives suitable for all aspects of cable jointing.

Part No	Description
KL642HK	Cable knife with hook blade
KL640GK	Cable Knife with straight blade
KL645GSK	Cable knife with straight blade, insulated to 1000V

HK120/30 Hand Operated Hydraulic Crimper 16-400mm²

Klauke hand held hydraulic crimping tool with G style crimping head suitable for crimping lugs and connectors from 16-400mm². All tools supplied with a 12 month manufactures warranty, calibration certificate and carry case.

Features & Benefits

- Crimping Range from 16-400mm²
- Uses 13 series interchangeable crimping dies
- Up to 60% fewer crimps thanks to wider crimping dies
- User friendly rotatable head
- Light weight due to high quality aluminium housing
- Simple and safe automatic retraction when operating is complete
- Crimping force 120kN
- Weight of tool – 5.4kg

Part No	Size Range O/D
HK120/30	16-400mm²

HK120U Hand Operated Hydraulic Crimper 16-400mm²

Klauke hand held hydraulic crimping tool with H style crimping head suitable for crimping lugs and connectors from 16-400mm². All tools supplied with a 12 month manufactures warranty, calibration certificate and carry case.

Features & Benefits

- Closed H head for deep groove crimps
- 2 Stage hydraulic system with fast feed and power stroke
- Crimping Range from 16-400mm²
- Uses 13 series interchangeable crimping dies
- Up to 60% fewer crimps thanks to wider crimping dies
- User friendly rotatable head
- Light weight due to high quality aluminium housing
- Simple and safe automatic retraction when operating is complete
- Crimping force 120kN
- Weight of tool – 5.2kg

Part No	Size Range O/D
HK1200	16-400mm²

PK120/42 Hydraulic Crimping Head 10-400mm²

Klauke hydraulic G style crimping head suitable for crimping lugs and connectors from 10-400mm². Crimping Head comes complete with a quick release coupler which enables connection onto foot pump/electric pump or battery pump. All tools supplied with a 12 month manufactures warranty and calibration certificate.

Features & Benefits

- Crimping Range from 16-400mm²
- G style head with larger 42mm jaw opening
- Uses 13 series interchangeable crimping dies
- Up to 60% fewer crimps thanks to wider crimping dies
- User friendly rotatable head 360degree when NOT pressurised
- Light weight due to high quality aluminium housing
- Simple and safe automatic retraction when operating is complete
- Crimping force 120kN
- Weight of tool – 4.5kg

Part No	Size Range O/D
PK120/42	16-400mm²

PK25/2 Hydraulic Crimping Head 16-630mm²

Klauke hydraulic H style crimping head suitable for crimping lugs and connectors from 16-630mm². Crimping Head comes complete with a quick release coupler which enables connection onto foot pump/electric pump or battery pump. All tools supplied with a 12 month manufactures warranty and calibration certificate.

Features & Benefits

- Crimping Range from 16-630mm²
- H style head
- Uses 25 series interchangeable crimping dies
- User friendly rotatable head 360degree when NOT pressurised
- Light weight due to high quality aluminium housing
- Simple and safe automatic retraction when operating is complete
- Crimping force 250kN
- Weight of tool – 5.3kgs
- Tool complete with carry bag
- Max operating pressure 700 Bar

Part No	Size Range O/D
PK25/2	16-630mm²

EKM 60 UNV Universal Hydraulic Hand Tool 6-300mm²

Klauke battery operated hand-held universal crimping tool suitable for crimping, cutting and hole punching with the selection of correct dies/cutting blades. Tool complete with battery and a selection between Bosch or Makita is available. Tool comes complete with LED light for illumination of work area and can download crimping information via Bluetooth.

Features & Benefits

- One head for crimping, cutting and punching
- Ideal in the assembly field where all common jobs can be carried out using one tool
- All tool data in view thanks to display and i-press app
- Small and slim ideal for cramped spaced within cable boxes or joint shells
- Universal head with flip top style, also rotatable
- Simple and safe, automatic retraction after operation complete (crimping & cutting)
- Effortless working due to balance centre or gravity
- One button operation for controlling all tool functions
- Very lightweight tool at 3.0kgs
- 18 volt battery

Part No	Size Range O/D
EKM60	6-300mm²

EK120/32 Hydraulic Hand Tool 16-400mm²

Klauke battery operated hand-held pistol style crimping tool suitable for crimping from 16-400mm². Tool complete with battery and a selection between Bosch or Makita is available. Tool comes complete with LED light for illumination of work area and can download crimping information via Bluetooth.

Features & Benefits

- Quality assurance via visual and audible signals in case of error
- Suitable for series 13 die sets
- All tool data in view thanks to display and i-press app
- 2 stage hydraulic system with fast feed and power stroke
- Automatic retract stop (ARS) for positioning control in case of multiple crimps
- Simple and safe, automatic retraction after operation complete
- Quick charging time
- Effortless working due to balance centre or gravity
- One button operation for controlling all tool functions
- Very lightweight tool at 6.8kgs
- 18 volt battery

Part No	Size Range O/D
EK120/32	16-400mm²

SDG Hydraulic Cutting Tools 85/105mm

Klauke hydraulic crimping heads complete with quick release coupler enabling connection to foot pump, electric pump or battery pump. All heads complete with 12 month manufactures warranty and calibration certificate.

Features & Benefits

- High user safety through cutting head with bolt interlock
- Exceptionally light tool with compact design
- Cuts copper and aluminium cables with or without armours
- Closed head with bolt interlock, 360° rotation when NOT pressurised
- For use with foot pump, electric pump or battery pump up to 700 bar
- Tool complete with carry bag

Part No	Max Opening Diameter mm	Weight kg
SDG55	55	5.6
SDG85/2	85	6.6
SDG105	105	7.7

SDK Hydraulic Cutting Tools 65/85/105/120mm

Klauke hydraulic crimping heads with open jaws complete with quick release coupler enabling connection to foot pump, electric pump or battery pump. All heads complete with 12 month manufactures warranty and calibration certificate.

Features & Benefits

- Cuts copper and aluminium cables with or without armours
- Suitable for fine stranded cables
- Safe operation due to double handle operation
- Improved cutting characteristics due to new cutting geometry
- Open head with quick coupling, 360° rotation when NOT pressurised
- For use with foot pump, electric pump or battery pump up to 700 bar

Part No	Max Opening Diameter mm	Weight kg
SDK65	65	4.7
SDK85	85	5.2
SDK105	105	7.7
SDK120	120	8.7

ESG Hydraulic Hand-Held Cutting Tool

Klauke battery operated hand-held pistol style cutting tool suitable for cutting copper and aluminium armoured cables. Tool complete with battery, a selection between Bosch or Makita is available. Tool comes complete with LED light for illumination of work area and can download cutting information via Bluetooth.

Features & Benefits

- Cuts armoured and unarmoured copper and aluminium cables
- 120kN cutting force
- Remarkably lightweight for tools in this performance class
- Saves time with multiple cuts thanks to innovative opening mechanism
- All tool data in view thanks to display and i-press APP
- All Data can be easily downloaded via Bluetooth
- 2 stage hydraulic system with fast feed and power stroke

Part No	Max Opening Diameter mm	Weight kg
ESG45	45	5.9
ESG55	55	6.2
ESG85	85	6.8
ESG105	105	10.7

ES Hydraulic Hand-Held Cutting Tool

Klauke battery operated hand-held pistol style open jaws cutting tool suitable for cutting copper and aluminium armoured cables. Tool complete with battery, a selection between Bosch or Makita is available. Tool comes complete with LED light for illumination of work area and can download cutting information via Bluetooth.

Features & Benefits

- Cuts armoured and unarmoured copper and aluminium cables
- 45kN cutting force
- Remarkably lightweight for tools in this performance class
- Saves time with multiple cuts thanks to innovative opening mechanism
- All tool data in view thanks to display and i-press APP
- All Data can be easily downloaded via Bluetooth
- 2 stage hydraulic system with fast feed and power stroke

Part No	Max Opening Diameter mm	Weight kg
ES65	65	6.3
ES85	85	7.2
ES105	105	9.6

FHP2 Hydraulic Foot Pump 700 Bar

Klauke hydraulic foot pump complete with quick release coupler suitable for connection to crimping or cutting heads.

Features & Benefits

- 2 Stage hydraulic system with automatic pressure switch off
- Manual retraction if required, also at high pressure
- Light weight but sturdy design

Part No	Description
FHP2	Hydraulic Foot Pump

EHP4 Electric-Hydraulic Pump 700 Bar

Klauke Electro hydraulic pump complete with quick release coupler for connection to crimping and cutting heads. Suitable for high capacity and the larger crimping and cutting performed on site.

Features & Benefits

- Closed, compact and lockable housing to protect against humidity, dust and unauthorised manipulation
- Compatible with crimping, Cutting and Punching tools
- This pump can be individually configured to customer specification
- Operating pressure is 700 bar and tool weight is 28.3kg

Part No	Description
EHP4	Hydraulic Electric Pump

AHP700L Battery Powered Hydraulic Pump 700 Bar

Klauke battery powered 700 Bar pump complete with quick release coupler for connection to crimping and cutting heads. Suitable for high capacity and the larger crimping and cutting performed on site. Very compact and lightweight design making easy to carry on site to work location.

Features & Benefits

- Time saving with multiple crimps due to automatic piston retraction
- Precise crimping force thanks to HPC pressing force monitoring with audible signal
- Tool information shown via LED display
- High quality, powerful Makita Li-Ion technology for maximum operations between charge
- Remote control with cable for easy operation of the battery pump
- Environmentally-friendly hydraulic oil, quickly biodegradable
- High wearing comfort with padded shoulder strap
- Pump weight including battery is 6.4kg

Part No	Description
AHP700L	Hydraulic Battery Pump

Sievert Promatic Torch Safety Handle

Plastic composite handle reinforced with 30% glass fibres for maximum durability. Double moulded soft grip for highest comfort and usability with piezo ignition and instant trigger on/off function.

Features & Benefits

- Bayonet fitting for burners
- Swivelling hose connection to avoid hose drag
- Combined suspension hook and footstand
- Valve for precise flame setting
- Working pressure between 1.5-4 Bar

Part No	Description
336611	Torch Safety Handle

Sievert Promatic Burners

Soft and cyclone flame burners in a range of differing nozzle sizes. These burners are compatible with the safety handle featured above and work to a 2 bar pressure.

Part No	Burner Diameter mm	Flame Type	Function
334791	28	Soft Flame	Heat Shrink
334191	38	Soft Flame	Heat Shrink
334891	50	Soft Flame	Heat Shrink
333601	25	Cyclone	Brazing/Soldering

Sievert Promatic Regulators

Sievert regulators are manufactured in brass to ensure the highest quality and long service life. The valves have a very high capacity and precise outlet pressure.

Part No	Connection	Hose Connection	Pressure
309121	POL	BSP 3/8"LH	2 Bar

Sievert Hose

Sievert high pressure hoses conform to the EN 559/ISO 3821 standards. Sievert hoses are also extra frost resistant and can be used in temperatures down to -30°C. The Sievert hose is designed with an inner layer of black gas resistant rubber, a middle layer of reinforcing weave to withstand high pressure and an outer orange coloured layer to protect against external damage, sunlight and ozone.

Part No	Length m
717321	2
717341	4
717431	10

Cable Data

Contents

Introduction

The tables in the following pages give dimensional data on typical cable constructions to enable selection of the correct accessory.

However, it must be stressed that this can only be used as a general guide – cable constructions can vary considerably in different territories and networks.

The types and number of layers of screen, the arrangement and material of conductor and the general thickness of respective layers will all affect the dimensions of the cable.

Therefore, the final selection of accessory should be based on the actual cables to be sure of correct selection.

The main information which is needed when selecting accessories:

Øcond = overall diameter of conductor

This is needed to ensure any connector or lug will correctly fit – the tables are based on typical Class 2 stranded conductors – but variations such as solid conductor or water-blocking materials can influence the dimensions. (Normally the cable cross sectional area is quoted rather than the conductor diameter).

Øins = overall diameter of insulation

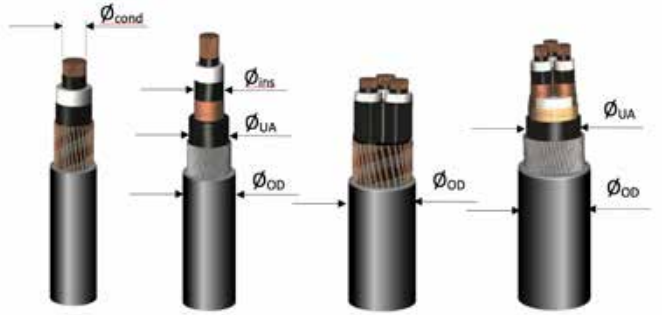
This is very important in medium voltage systems (>3.6kV), as the accessory needs to be a very tight fit around the critical parts at the insulation screen cut. The information in the tables is based on cables with insulation thickness based on CENELEC HD620.A3, however it should be noted that there are regional variations in insulation wall thickness and also some manufacturer's tolerance can affect the actual values – therefore it is wise to measure on actual cable as a final check.

ØUA = diameter under Armour

When making a good connection from cable armours , it is necessary to use a support ring under the armour and therefore the diameter which the support collar needs to fit over is important.

ØOD = overall cable diameter

The overall diameter of cables can dictate if tubing's or other materials can be used without problems with clearances.



Single Core with wire screen (Unarmoured)

Single Core with tape screen and armour screen

Three Core with wire screen (Unarmoured)

Three Core with tape screen and armour screen

0.6/1 (1.2) kV IEC 60502-1 Part 1

	 Single Core Armoured		 Two Core Armoured		 Three Core Armoured		 Four Core Armoured	
Conductor Cross Section mm²	Ø UA mm	Ø OD mm	Ø UA mm	Ø OD mm	Ø UA mm	Ø OD mm	Ø UA mm	Ø OD mm
2.5	-	-	8.5	13.6	9.1	14.1	10.0	15.0
4	-	-	9.7	11.6	10.4	15.3	11.5	16.4
6	-	-	10.7	12.6	11.5	16.6	12.7	18.7
10	-	-	12.7	18.0	13.7	19.5	15.1	21.1
16	-	-	14.5	20.0	15.5	21.2	17.2	22.9
25	-	-	18.4	24.1	20.1	26.7	22.3	28.9
35	-	-	21.3	28.0	22.8	29.6	25.3	32.1
50	-	-	19.0	25.8	21.7	28.5	25.0	32.0
70	14.7	20.0	22.0	29.0	25.2	32.2	29.5	37.7
95	16.3	21.6	25.1	33.1	28.8	37.0	33.3	41.7
120	17.9	23.2	27.9	36.1	32.0	40.4	37.5	47.1
150	19.8	25.8	30.9	39.3	35.9	45.5	41.6	51.4
185	22.0	28.0	34.9	44.7	40.0	49.8	46.4	56.6
240	24.5	30.5	39.0	59.0	44.9	55.1	52.6	63.0
300	27.3	33.5	43.3	53.5	49.8	60.2	58.0	68.8
400	30.2	37.4	48.4	59.0	55.4	66.6	64.8	78.1
500	33.3	40.7	-	-		-	-	-
630	37.3	44.9	-	-	-	-	-	-
800	45.8	54.8	-	-	-	-	-	-
1000	49.2	58.4	-	-	-	-	-	-

1.9/3.3 (3.6) kV IEC 60502-1 Part 1

	 Single Core Armoured		 Three Core Armoured	
Conductor Cross Section mm²	Ø UA mm	Ø OD mm	Ø UA mm	Ø OD mm
16	-	-	22.1	29.0
25	-	-	25.4	32.2
35	-	-	28.0	35.0
50	12.7	17.5	26.7	34.7
70	14.7	20.2	29.8	38.0
95	16.6	22.3	33.0	41.4
120	18.5	24.2	36.1	45.7
150	20.8	27.4	38.7	48.5
185	23.2	30.0	41.9	51.9
240	26.0	32.8	46.7	56.9
300	28.6	35.6	50.8	61.2
400	32.4	40.4	55.8	66.6
500	36.0	44.2	-	-
630	40.4	48.8	-	-
800	45.6	55.4	-	-
1000	50.6	60.6	-	-

3.6/6 (7.2) kV / 3.8/6.6 (7.2) kV CENELEC HD620 A3

2.5-3.2mm nominal insulation thickness			Single Core Unarmoured	Single Core Armoured		Three Core Unarmoured	Three Core Armoured	
Conductor Cross Section mm²	Ø cond mm	Ø ins mm	Ø OD mm	Ø UA mm	Ø OD mm	Ø OD mm	Ø UA mm	Ø OD mm
50	8.4	14.4	20.0	18.9	25.7	40.5	38.8	49.0
70	9.9	15.9	22.0	20.7	27.5	44.0	42.5	52.5
95	11.6	17.6	23.7	22.4	29.4	48.0	46.2	56.5
120	13	19	25.5	23.9	30.9	51.0	49.6	60.0
150	14.5	20.5	26.8	25.2	32.4	54.5	53.0	63.5
185	16.1	22.1	28.8	27.0	35.0	58.0	56.0	67.0
240	18.4	24.4	31.2	29.4	37.6	64.0	61.4	73.0
300	20.6	26.6	34.2	32.4	40.8	70.0	68.0	81.0
400	23.7	29.7	37.7	35.5	44.1	78.0	75.1	89.0
500	26.6	32.6	41.3	39.0	49.0	-	-	-
630	29.8	35.8	44.9	42.6	52.8	-	-	-
800	33.6	39.6	49.0	45.0	56.0	-	-	-
1000	37.6	43.6	52.8	49.9	60.0	-	-	-

6/10 (12) kV / 6.35/11 (12) kV CENELEC HD620 A3

3.4mm nominal insulation thickness			Single Core Unarmoured	Single Core Armoured		Three Core Unarmoured	Three Core Armoured	
Conductor Cross Section mm²	Ø cond mm	Ø ins mm	Ø OD mm	Ø UA mm	Ø OD mm	Ø OD mm	Ø UA mm	Ø OD mm
50	8.4	17.0	23.7	24.7	27.7	41.6	39.1	53.1
70	9.9	18.8	25.7	26.7	29.7	45.6	43.1	57.1
95	11.6	20.5	27.4	28.4	31.4	49.7	47.2	61.2
120	13.0	22.0	29.2	30.1	33.1	53.5	51.0	65.0
150	14.5	23.3	30.5	32.4	35.4	56.5	54.0	68.0
185	16.1	25.1	32.5	34.2	37.2	60.8	58.3	72.3
240	18.4	27.3	34.9	36.8	39.8	66.0	63.0	79.0
300	20.6	29.6	37.2	39.3	42.3	71.5	68.5	84.5
400	23.7	32.3	40.1	42.2	45.2	77.9	74.9	90.9
500	26.6	35.2	43.2	46.5	49.5	-	-	-
630	29.8	38.6	46.9	50.3	53.3	-	-	-
800	33.6	37.9	45.9	48.1	51.1	-	-	-
1000	37.6	41.9	50.1	52.5	55.5	-	-	-

8.7/15 (17.5) kV CENELEC HD620 A3

4.5mm nominal insulation thickness			Single Core Unarmoured	Single Core Armoured		Three Core Unarmoured	Three Core Armoured	
Conductor Cross Section mm²	Ø cond mm	Ø ins mm	Ø OD mm	Ø UA mm	Ø OD mm	Ø OD mm	Ø UA mm	Ø OD mm
50	8.4	18.2	27.5	28.7	33	50.9	48.2	59.0
70	9.9	19.7	29	30.2	35	55.0	52.1	62.9
95	11.6	21.4	31	32.2	37	59.0	56.0	67.0
120	13	22.8	32.5	33.7	39	62.4	59.4	70.6
150	14.5	24.3	34	35.2	41	65.4	62.2	73.6
185	16.1	25.9	35.5	36.7	42	69.5	66.3	79.4
240	18.4	28.2	38	39.2	45	74.6	71.2	84.7
300	20.6	30.4	40.5	41.7	47	80.1	76.4	90.1
400	23.7	33.5	44	45.2	52	86.3	82.4	96.7
500	26.6	36.4	47.4	48.6	57	-	-	-
630	29.8	39.6	50.2	51.4	59	-	-	-
800	33.6	43.4	54.2	55.4	66	-	-	-
1000	37.6	47.4	58.4	59.6	71	-	-	-

12/20 (24) kV / 12.7/22 (24) kV CENELEC HD620 A3

5.5mm nominal insulation thickness			Single Core Unarmoured	Single Core Armoured		Three Core Unarmoured	Three Core Armoured	
Conductor Cross Section mm²	Ø cond mm	Ø ins mm	Ø OD mm	Ø UA mm	Ø OD mm	Ø OD mm	Ø UA mm	Ø OD mm
50	8.4	21.6	27.4	27.8	35	59	56.2	67
70	9.9	23.4	28.8	30.8	38	63	60.2	71
95	11.6	25.1	30.6	32.8	40	67	64.2	75
120	13	26.6	32.5	33.8	41	70	67.6	80
150	14.5	27.9	34	35.8	43	74	72.2	83
185	16.1	31.9	35.5	37.8	45	78	77.2	88
240	18.4	34.2	37.3	39.4	47	84	80.8	94
300	20.6	36.9	39.7	43.4	51	89	85.8	99
400	23.7	39.8	42.2	46.4	54	95	92.8	106
500	26.6	43.2	45.6	49.4	57	-	-	-
630	29.8	45.8	48.5	53.4	61	-	-	-
800	33.6	50	53.2	60.4	68	-	-	-
1000	37.6	54.1	57.3	65.4	73	-	-	-

18/30 (36) kV / 19/33 (36) kV CENELEC HD620 A3

8.0mm nominal insulation thickness			Single Core Unarmoured	Single Core Armoured		Three Core Unarmoured	Three Core Armoured	
Conductor Cross Section mm²	Ø cond mm	Ø ins mm	Ø OD mm	Ø UA mm	Ø OD mm	Ø OD mm	Ø UA mm	Ø OD mm
50	8.4	25.4	34	33.5	42	74	66.7	81
70	9.9	26.9	36	34.5	43	78	70.7	85
95	11.6	28.6	38	36.5	45	82	74.7	89
120	13	30	40	38.5	47	85	78.7	93
150	14.5	31.5	41	41.5	50	89	81.7	96
185	16.1	33.1	43	43.5	52	93	85.7	100
240	18.4	35.4	46	45.5	54	98	91.7	106
300	20.6	37.6	48	48.5	57	104	97.7	112
400	23.7	40.7	51	51.5	60	111	103.7	118
500	26.6	43.6	54	54.5	63	-	-	-
630	29.8	46.8	58	58.5	67	-	-	-
800	33.6	50.6	65	65.5	74	-	-	-
1000	37.6	54.6	70	70.5	79	-	-	-

20.8/36 (42) kV CENELEC HD620 A3

8.8mm nominal insulation thickness			Single Core Unarmoured	Single Core Armoured	
Conductor Cross Section mm²	Ø cond mm	Ø ins mm	Ø OD mm	Ø UA mm	Ø OD mm
50	8.4	26.4	35.6	34.8	43.8
70	9.9	27.9	37.6	35.8	44.8
95	11.6	29.6	39.6	37.8	46.8
120	13	31	41.6	39.8	48.8
150	14.5	32.5	42.6	42.8	51.8
185	16.1	34.1	44.6	44.8	53.8
240	18.4	36.4	47.6	45.8	55.8
300	20.6	38.6	49.6	48.8	58.8
400	23.7	41.7	52.6	51.8	61.8
500	26.6	44.6	55.6	54.8	64.8
630	29.8	47.8	59.6	58.8	68.8
800	33.6	51.6	66.6	65.8	75.8
1000	37.6	55.6	71.6	70.8	80.8

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