



## INSULATED CONDUCTOR FITTINGS

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**INSULATED CONDUCTOR FITTINGS**  
FOR LOW & HIGH VOLTAGE ABC, CC & CCT  
CATALOGUE

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## PREFORMED LINE PRODUCTS

Preformed Line Products Australia Pty Ltd (PLP) has been supplying product to Australian power utilities for over 50 years. Many of the original products are still found in the electricity network today, highlighting the exceptionally high quality standards that are expected and supplied.

The company has three major operating divisions, PLP which manufactures and carries a range of products for the power distribution, power transmission, substation and communications markets. Rack Technologies which has a range of cabinets and enclosures for the data communication, electronics, electrical and security markets and BlueSky Energy which offers solar power products and sustainable energy systems.

PLP's Australian operation boasts in-house manufacturing, engineering, testing, sales and administration. The modern manufacturing facility in the Sydney suburb of Glendenning includes wire forming, forging, casting, plastic moulding and extrusion, sheet metal work, powder coating and assembly. The manufacturing facility is supported by a modern toolroom which includes the latest CNC vertical machining centre, linked directly to the engineering office.

## ABC SYSTEMS

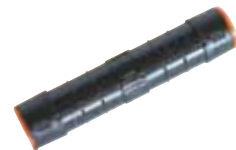
PLP manufactures insulated fittings for LVABC, HVABC and CCT to suit aluminium and copper systems for the power distribution sector. Additional to the PLP ABC product range and through a partnership with Michaud Group in France, PLP provides a comprehensive range of insulation piercing connectors (IPC). Michaud's dedication to product quality and technical performance makes them a market leader in the manufacture of IPCs worldwide.

### Features of all Michaud IPC are:

- Insulated type suit both aluminium and copper cables – bi-metallic.
- Contacts are compatible with conductor type and application.
- Plastic components are UV stabilised glass reinforced polymer.
- All stainless steel fasteners.
- Torque controlled shear off bolts.
- Connectors are completely air and water tight to prevent corrosion.
- Multiple membrane sealing end caps don't rely on the use of grease.
- Di-electric strength in water over 6kV.
- Fasteners thread is shielded from cable area, to eliminate cable damage whilst tightening.
- Permanently engraved with batch codes and traceability information.
- Conforms to all applicable requirements of AS/NZS4396.

PLP Australia manufactures products that cover the functions of termination, suspension, connection and protection along with a wide range of line hardware fittings and accessories. This Insulated Conductor Fittings Catalogue covers LVABC, HVABC and CCT products and an extensive range of these fittings are stocked at PLP's Glendenning warehouse.

If you have a particular requirement, please do not hesitate to contact PLP on (02) 8805 0000.



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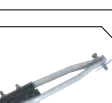

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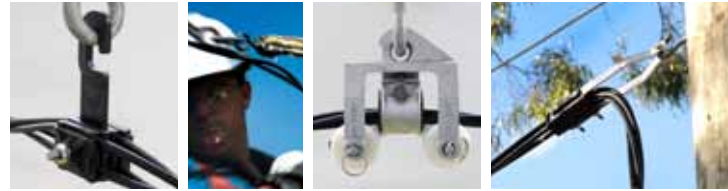
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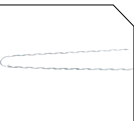
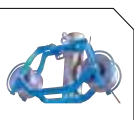


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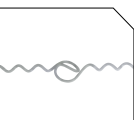

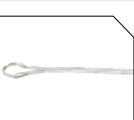
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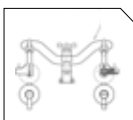

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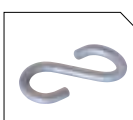


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# ABC

# LOW VOLTAGE FITTINGS

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“ Comprehensive Range of Low Voltage ABC Fittings ”



# LOW VOLTAGE FITTINGS



## INSULATION PIERCING CONNECTORS



Fig. 1

This I.P.C (Insulation Piercing Connector) is used to establish a tap connection from a low voltage ABC (Aerial Bundled Conductors). Aluminium or copper.

### Insulated cable to insulated cable (Aluminium or Copper)

Part No.	Fig No.	Cable Range 1 mm <sup>2</sup>	Cable Range 2 mm <sup>2</sup>	No. of Bolts	Shear Head A/F mm
K440	1	10 - 95	1.5 - 6	1	13
K441	1	25 - 95	6 - 35	1	13
K442	1	35 - 150	1.5 - 25	1	13
K443	1	35 - 150	6 - 35	1	13
K445	1	25 - 95	25 - 95	1	17
K446	2	50 - 150	50 - 150	2	17

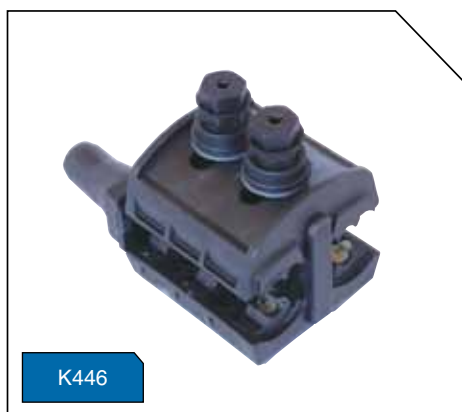


Fig. 2

This I.P.C (Insulation Piercing Connector) is used to establish a tap connection from low voltage ABC (Aerial Bundled Conductors) to a low voltage aluminium alloy or copperbare main conductor.

### Bare cable to insulated (Aluminium or Copper) cable

Part No.	Fig No.	Bare Cable Material	Bare Cable Size mm <sup>2</sup>	Insulated Cable Size mm <sup>2</sup>	No. of Bolts	Shear Head A/F mm	Type of Piercing Connection
K470	3	Copper	7 - 95	6 - 35	1	13	Standard
K472	4	Copper	7 - 120	25 - 95	1	17	Standard
K474	5	Copper	50 - 240	35 - 150	2	17	Standard
K471	3	Aluminium	7 - 95	35 - 150	1	13	Standard
K473	4	Aluminium	7 - 120	25 - 95	1	17	Standard
K475	5	Aluminium	35 - 240	50 - 150	2	17	Standard
K235	6	Copper	7 - 95	6 - 35	1	13	Two Stage*
K436	6	Aluminium	7 - 95	6 - 35	1	13	Two Stage*

**Installations Notes:** 2 bolt IPC connectors must be tightened alternately to apply uniform pressure until shear head is operated. Implementation can be carried out on live-line but without load on the tap conductor.

**Important:** Two stage IPC's, are able to be installed whilst conductor is under load, up to max of 100A.

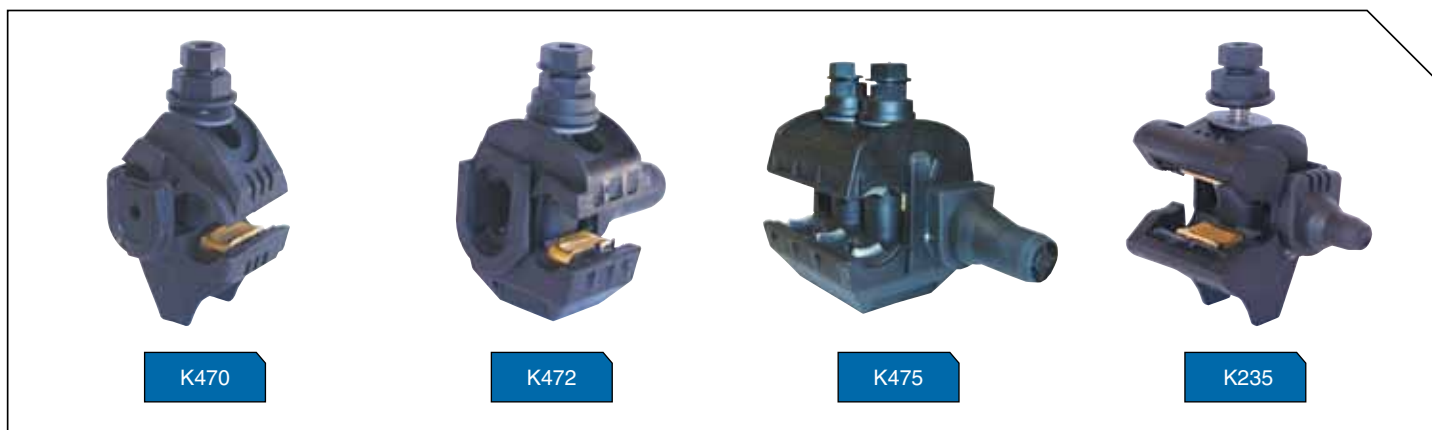


Fig. 3

Fig. 4

Fig. 5

Fig. 6

# LOW VOLTAGE FITTINGS



## INSULATION PIERCING CONNECTORS



Fig. 1

This I.P.C (Insulation Piercing Connector) is used to establish a tap connection of 2 insulated conductors to a low voltage ABC (Aerial Bundled Conductors). When the main conductor connection is preformed by insulation piercing, the connection of the tap is preformed either by insulation piercing.

Insulated cable to multiple insulated cables (Aluminium or Copper)						
Part No.	Fig No.	Cable Range 1 mm <sup>2</sup>	Cable Range 2 mm <sup>2</sup>	No. of Taps	No. of Bolts	Shear Head A/F mm
K394	1	16 - 96	6 - 35	2	1	13
K389	1	35 - 150	6 - 35	2	1	13



Fig. 2

This I.P.C (Insulation Piercing Connector) is used for short-circuiting or earthing of low voltage ABC (Aerial Bundled Conductors) networks. It also enables voltage measurements.

Insulated cables (Aluminium or Copper) - Short circuiting - Test				
Part No.	Fig No.	Cable Range 2 mm <sup>2</sup>	No. of Bolts	Shear Head A/F mm
K362	1	16 - 25	1	13
K363	2	16 - 70	1	13
K364	2	16 - 150	1	13

# LOW VOLTAGE FITTINGS

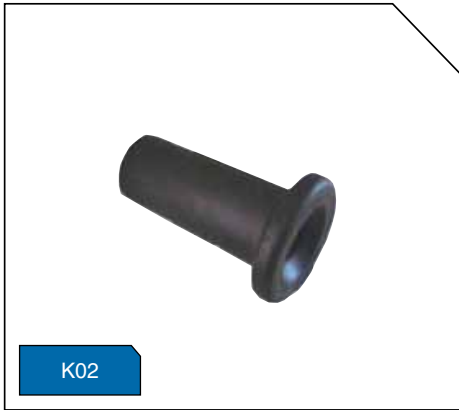


## FLEXIBLE END CAPS

Flexible water and UV resistant end caps to fit the end of ABC conductors.



K01



K02



K03



K247

### Flexible End Caps

Part No.	Length mm <sup>2</sup>	Cable Entry Diameter mm	Application Range mm <sup>2</sup>
K01	32	7	10 - 50
K02	40	10.5	35 - 95
K03	50	13	95 - 150
K247	67.2	31	Round: 50 - 150 Sectoral: 95 - 240

# LOW VOLTAGE FITTINGS



## HOUSE SERVICE CONNECTOR



The new KBM is a fully overmoulded waterproof connection designed with solid internal chambers. It also includes a new shearhead bolt system. It is used to make electrical connection from an insulated supply cable to an insulated consumer cable.

### Features of K96BM are:

- Bi-metal corrosion resistance accepting both copper and aluminium cables.
- Completely overmoulded design.
- Multiple rib sealing system to ensure integrity of seal on all cable sizes - including fully ribbed ABC.
- Central solid barrier dividing each chamber.
- Fully insulated and water proof.
- Overmoulded shearhead bolt.
- Fits the existing main connection box (MCB).
- Consumers cable can be disconnected and reconnected.
- Tested to AS/NZS4396.
- Connectors is marked with cable sizes and strip requirements.
- Consumers and mains sides are clearly differentiated with markings and bolt colour.

Part No.	Supply Cable Range mm <sup>2</sup>	Supply Connection Type	Supply Bolt Colour	Customer Cable Range mm <sup>2</sup>	Customer Connection Type	Customer Bolt Colour
K96BM	6 - 35	Ins Piercing	Black	4 - 35	Strip Cable	White

## MAINS CONNECTION BOX (K SERIES)



These products contain the 'K' Series range of house service connectors and provide an environmentally protective chamber in which to house and mount the connectors. It also provides protection of the consumers mains against UV degradation. The boxes come in single and three phase models with the K96BM.

### Features of K Series are:

- IP66D Rated.
- Suits easy entry of consumers mains through the rear of base.

Part No.	Single Phase	Three Phase
K451	Y	N
K455	N	Y
K458*	Y	N
K459*	N	Y

\*Note: Empty boxes, no connectors.



# LOW VOLTAGE FITTINGS



## BARE MAINS TO SERVICE CONNECTORS (R SERIES)



R235

This range of product provides for XPLE or PVC copper or aluminium service cable connection to bare copper and bare aluminium mains in a complete moisture free environment. The service connection is made with insulation piercing technology where there is no need to strip the cable.

### Features R Series are:

- Copper connector has forged body for added strength.
- All tested to applicable requirements of AS/NZS4396.
- Both mains and tap bolts incorporate shearhead technology for use with a standard M8 socket.
- Polycarbonate windows employed on all tap facilities to ensure the operator can see the actual connection.
- Connectors can be disconnected and reconnected from the mains with ease.



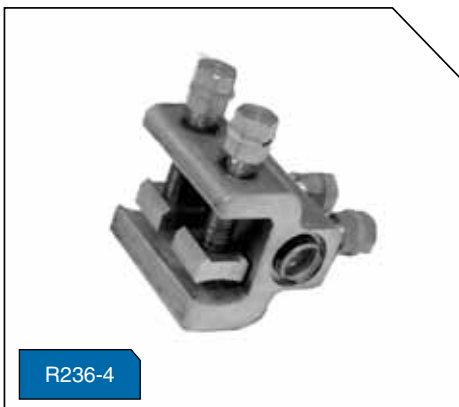
R235-4

### Insulated cable to multiple insulated cables (Aluminium or Copper)

Part No.	Material Type	Bare Mains Range	Area mm <sup>2</sup>	O.D. mm	Tap Range mm <sup>2</sup>	Pack Qty.
R235	Copper	7/1.00 - 19/3.00	5.5 - 135	3 - 15	6 - 35	10
R235-4	Copper	7/1.00 - 19/3.00	5.5 - 135	3 - 15	6 - 35	10
R236	Aluminium	7/1.75 - 19/3.75	16 - 210	5 - 19	6 - 35	10
R236-4	Aluminium	7/1.75 - 19/3.75	16 - 210	5 - 19	6 - 35	10



R236



R236-4

# LOW VOLTAGE FITTINGS



## PRE-INSULATED COMPRESSION SLEEVES



K101

Fig. 1



K30

Fig. 2

Pre-Insulated sleeves are used to make an electrical joint, between two aerial bundle insulated conductors. The products are supplied for full tension or non tension applications.

### Features of K101 are:

- Totally insulated and water proof.
- Colour coded to applicable cable size.
- Labelled with cable size, die size, strip length, compression locations.
- Permanently engraved with traceability data.

### Full Tension Sleeves

Part No.	Fig No.	Cable Size mm <sup>2</sup>	Diameter mm <sup>2</sup>	Length of Sleeve	Die Part No.	End Cap Colour
K101	1	16	20	104	17.3	Blue
K103	1	25	20	104	17.3	Orange
K106	1	35	20	104	17.3	Red
K110	1	50	20	104	17.3	Yellow
K170	1	95	25	137	21.5	Grey
K185	1	150	25	178	21.5	Violet

**Note:** Sleeves to connect cables of differing sizes are also available.

### Non Tension Sleeves

Part No.	Fig No.	Cable Size 1 mm <sup>2</sup>	Cable Size 2 mm <sup>2</sup>	Diameter mm	Length of Sleeve	Die Size mm
K30	2	6	6	16	71	14
K31	2	6	10	16	71	14
K32	2	6	16	16	71	14
K33	2	6	25	16	71	14
K35	2	10	10	16	71	14
K36	2	10	16	16	71	14
K37	2	10	25	16	71	14
K39	2	16	16	16	71	14
K40	2	16	25	16	71	14
K53	2	16	35	16	71	14
K42	2	25	25	16	71	14
K54	2	25	35	16	71	14
K55	2	35	35	16	71	14

# LOW VOLTAGE FITTINGS



## PRE-INSULATED COMPRESSION LUGS



K159

Fig. 1

Pre-Insulated lugs are used to terminate aerial bundle insulated conductors, onto switchgear, busbars or isolators. The products are available in bi-metallic form.

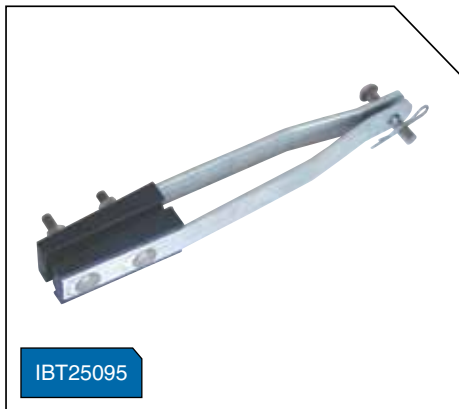
### Features of K159 are:

- Totally Insulated and water proof.
- Colour coded to applicable cable size.
- Labelled with cable size, die size, strip length, compression locations.
- Permanently engraved with traceability data.

### Bi-Metallic - Aluminium Body - Copper Palm

Part No.	Fig No.	Cable Size mm <sup>2</sup>	Diameter mm <sup>2</sup>	Length of Sleeve	Palm Size mm	Hole Diameter mm	Die Part No.	Die Size mm	End Cap Colour
K159	1	16	16	73	ø20	10.3	111-140173AL	14.0	Blue
K160	1	25	16	73	ø20	10.3	111-140173AL	14.0	Orange
K163	1	35	20	93	ø25	12.8	111-140173AL	17.3	Red
K164	1	50	20	93	ø25	12.8	111-140173AL	17.3	Yellow
K167	1	95	20	93	ø25	12.8	111-140173AL	17.3	Grey
K158	1	150	25	112	ø30	12.8	111-215AL	21.5	Violet

## MAIN STRAIN CLAMPS



IBT25095

Strain clamps are available for both mains and service aerial bundled cables, capable of clamping from 1 to 4 cores. If uneven number of cores are clamped, use filler cables in other locations.

### Features of Mains Strain Clamps are:

- Glass reinforced uv stabilised clamping blocks.
- High strength aluminium alloy tensions straps.
- Conforms to requirements of AS3766.
- All hardware is stainless steel - lubricated to eliminate binding.
- Jaws sprung loaded to facilitate easy insertion of cores.

Part No.	Number of Cores	Cable Range mm <sup>2</sup>
IBT25095	2	50 - 95
IBT5095	4	50 - 95
IBT95150	4	50 - 150



IBT5095

# LOW VOLTAGE FITTINGS



## SERVICE CLAMPS



BCST



BCST

BCST Series are a bolted type service strain and suspension clamp.

**Features of BCST are:**

- Glass reinforced nylon clamping block.
- Blocks are spring loaded for ease of cable insertion.
- Available in galvanised steel or glass reinforced nylon straps.
- Available in open hook or closed eye.
- M10 stainless steel fasteners.
- UV stabilised.

Part No.	Conductor Construction mm <sup>2</sup>	Length mm	Standard Pack Quantity
BCST-2025-3G	2 x (10 - 35)	170	50
BCST-2025-3GA	2 x (10 - 35)	170	50
BCST-2025-3P	2 x (10 - 35)	170	50
BCST-2025-3PA	2 x (10 - 35)	170	50
BCST-2025-3GLS	2 x (10 - 35)	250	35
BCST-2025-3GAL	2 x (10 - 35)	250	50
BCST-2025-3GL	2 x (10 - 35)	250	30
BCST-4035-3G	4 x (10 - 35)	170	30
BCST-4035-3GA	4 x (10 - 35)	170	30
BCST-4035-3P	4 x (10 - 35)	170	30
BCST-4035-3PA	4 x (10 - 35)	170	30
BCST-4035-3GLS	4 x (10 - 35)	250	25
BCST-4035-3GAL	4 x (10 - 35)	250	30
BCST-4035-3GL	4 x (10 - 35)	250	20

**Note:**

- G** = Galvanised Strap
- GA** = Galvanised Strap (closed eye)
- GLS** = Galvanised Latching Strap (long)
- GL** = Galvanised Strap (long)
- GAL** = Galvanised Strap (closed eye) long
- P** = Glass-Filled Nylon Strap
- PA** = Glass-Filled Nylon Strap (closed eye)

## SERVICE CLAMPS



IBST435-2

Wedge type strain clamp with sliding jaws. Manufactured from UV stabilised glass reinforced nylon and a stainless steel strap. Designed for 2,3 and 4 core ABC twisted cables.

**Features of IBS are:**

- Stainless steel bail arm - detachable.
- Conforms to requirements of AS3766.
- Wedge action created by sliding jaws.
- No loose components, jaws attached body.

Part No.	Number of Cores	Range of Cable mm <sup>2</sup>	Hook or Eye	Min. Failing Load
IBST435-2	2 up to 4	4 - 35	detachable	2.5kN

# LOW VOLTAGE FITTINGS



## SUSPENSION CLAMP (ASSERIES) FOR AERIAL- BUNDLED CONDUCTORS



BCSC

The AS series of LV ABC Suspension Clamps are intended for use on straight runs and for line deviation angles up to 25°. These suspension clamps are suitable for coastal environments and are manufactured from high strength corrosion-resistant aluminium alloy, incorporating neoprene bushes and stainless steel hardware. An optional failure link is built into the fitting.

The clamps are designed as a one-piece format, eliminating the problems of dropping components whilst installing the clamp. The AS suspension clamp greatly assists linesmen by supporting the cable in the open position, and allowing fast installation by simply closing the clamp and tightening the fastener.

### Features of BCSC are:

- Corrosion resistant cast aluminium body.
- Suitable for coastal and highly polluted environment.
- Neoprene bushes.
- Stainless steel hardware.
- Fast and simple installation.
- Optional failure link feature.
- Tested to Australian Standard 3766.

Part No.	Conductor Construction mm <sup>2</sup>	Standard Pack Quantity
BCSC-2050-2S	2 x 50	63
BCSC-2050-2SWL	2 x 50	63
BCSC-2050-2SHD	2 x 50	64
BCSC-2095-2S	2 x 95	63
BCSC-2095-2SWL	2 x 95	63
BCSC-2095-2SHD	2 x 95	64
BCSC-4050-2S	4 x 50	64
BCSC-4050-2SWL	4 x 50	64
BCSC-4050-2SHD	4 x 50	64
BCSC-4095-2S	4 x 95	64
BCSC-4095-2SWL	4 x 95	64
BCSC-4095-2SHD	4 x 95	64

### Note:

WL = Weak Link (5kN)

HD = Heavy Duty (stainless wear ring)

## SUSPENSION CLAMP



IBSC425

### Features of IBSC are:

- EPDM UV stabilised rubber insert.
- Galvanised body - with captive bolt slot.
- Galvanised steel hardware - oversize wing nut.
- Suitable for line deviation up to 30 degrees.
- Conforms to requirements of AS3766.

Part No.	2 Core mm <sup>2</sup>	3 Core mm <sup>2</sup>	4 Core mm <sup>2</sup>
IBSC425			25
IBSC435	50	50	35
IBSC450			50
IBSC470	95		70
IBSC495			95

# LOW VOLTAGE FITTINGS



## SUSPENSION CLAMP (ASV SERIES) FOR AERIAL- BUNDLED CONDUCTORS



The ASV series of LV ABC Suspension clamps have been developed to protect the integrity of the cable insulation by controlling the cable slip during impact loads. The built-in failure link allows the undamaged cable to drop to the ground, thus providing a coordinated failure mechanism. The clamps are intended for use on straight runs and line deviation angles up to 25°.

The installation features of the clamps have been designed following extensive field trials carried out in conjunction with the major electricity distribution authorities.

The ASV series suspension clamps are suited for coastal environments and are manufactured from high strength corrosion-resistant aluminium alloy and incorporate neoprene bushes and stainless steel hardware. A failure link is built into the clamp.

The clamps are designed as a one-piece format, eliminating the common problem of dropping components whilst installing the clamp. The ASV series Suspension Clamp greatly assist linesmen by supporting the cable in the open position and allowing fast installation by simply closing the clamp and tightening the fastener.

### Features of BCSC are:

- Corrosion - resistant cast aluminium alloy body.
- Neoprene bushes.
- Stainless steel hardware.
- Fast and simple installation.
- Built-in failure link for greater system protection.
- Eliminate cable damage during major impacts on the line.
- The PLP AS series suspension clamp complies with Australian Standard 3766.

Part No.	Conductor Construction mm <sup>2</sup>	Weak Link Faling Load kN	Standard Pack Quantity
BCSC-4095-3S	4 x 95	6	64
BCSC-4095-3SHD	4 x 95	N/A	30
BCSC-4150-3S	4 x 150	8	30
BCSC-4150-3SHD	4 x 150	N/A	30
BCSC-4150-3H	4 x 150	N/A	30

### Note:

**HD** = Heavy Duty (stainless wear ring)

**H** = Heavy Duty (no wear ring)

# LOW VOLTAGE FITTINGS

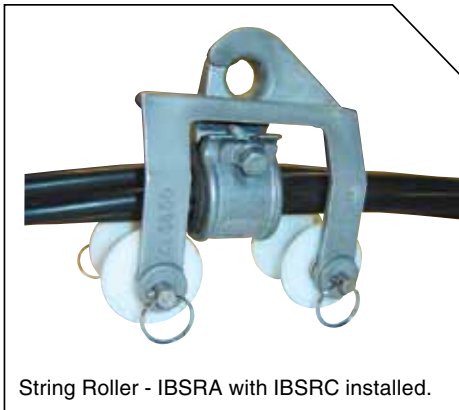
## SUSPENSION CLAMPS AND INTEGRATED STRINGING ROLLER



### Features of IBSRC are:

- Type IBSRC.
- Cast aluminium body.
- Conforms to requirements of AS3766.
- Integrated stringing roller design.
- UV Stabilised split elastomer bush.
- Controlled release of conductor.

Part No.	2 Core mm <sup>2</sup>	3 Core mm <sup>2</sup>	4 Core mm <sup>2</sup>
IBSRC250	50		
IBSRC450	95		50
IBSRC495			95



String Roller - IBSRA with IBSRC installed.

Part No.	Description
IBSRA	Auxiliary stringing roller 50 - 95mm <sup>2</sup>
BSRA-4150	Auxiliary stringing roller 150mm <sup>2</sup>

# LOW VOLTAGE FITTINGS



## FACADE MOUNTING BRACKETS (CABLE SADDLE)

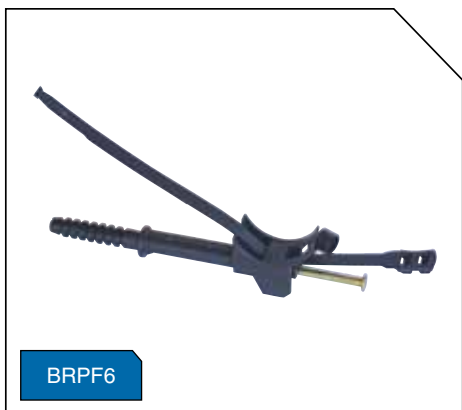


BRPF1

### Features of BRPF are:

- Made from UV stabilised glass reinforced polymer.
- Brackets include 6mm drive nail.
- Cables can be supported on bracket during installation.

Part No.	Drill Size mm	Offset from Structure	Installs Into	Cable Capacity mm
BRPF1	12	10	Masonry	2 x $\phi$ 25 - 56
BRPF1T	None	10	Timber	2 x $\phi$ 25 - 56
BRPF6	12	60	Masonry	2 x $\phi$ 25 - 56



BRPF6

# LOW VOLTAGE FITTINGS



## SAFETY SERVICE DISCONNECTOR (SSD)



SSD

Designed with safety in mind, Preformed Line Products Safety service disconnect ensures controlled disconnection of service under dynamic impact loading. The product severs the conductor after a high impact load, ensuring the span falling to ground is in an un-energised state.

The energised cable remains at the pole attachment point, insulated and well away from the general public. The PLP safety service disconnect can be installed on existing services with no interruption to the consumer's power supply.

Part No.	Conductor Size mm <sup>2</sup>
SSD-2X25AL19	2 x 25mm AL XLPE



### FULLY INSULATED BODY

The PLP SSD™ is manufactured from UV stabilised and fibre reinforced nylon which provides the fitting with complete insulating and mechanically strong features.

### ALL COMPONENTS

All components are held captive within the body so there are no loose parts to fall to ground when installing or upon activation.

### ONLY ACTIVATES ON IMPACT ABOVE A SPECIFIED LOAD

The PLP SSD™ will only activate if a load is applied of approximately 1.9 kN. The SSD™ will not activate simply due to an increase of tension to the cable such as possum walking along the service. Accurate and reliable failure is guaranteed by the shear pin being specifically sized to the failure load.

### CAN BE INSTALLED WITHIN 5 MINUTES

Due to the simple nature of the design of the product, it is easily installed within 5 minutes. Simply place the cable into the clamp and push it into the slots along the body, tighten the nuts on the bolted clamp till secure and bring the bridle around, clip it onto the bollard and snap the cover in place. Installation is now complete! No special equipment is required.

### NO NEED TO DISCONNECT CUSTOMER'S SUPPLY

To install the PLP SSD™, there is no need to disconnect the customer's supply because the conductor is not severed to install plugs or sockets. Therefore, the installation of the SSD™ can be done at any time, night or day, without having to advise customers - there is no disruption at all!

### NO POSSIBILITY OF SERVICE FAILURE DUE TO POOR CONTACT

There are no active electrical components within the SSD™ (such as contacts) which eliminates the possibility of an electrical breakdown or hot joints.

For application procedures, visit the PLP website.  
[www.preformed.com.au](http://www.preformed.com.au)

# LOW VOLTAGE FITTINGS



## FUSED SWITCH DISCONNECTS (POLE FUSE)



K490 (K491)

Fused Switch Disconnects is a single-phase device that is installed on a pole or on a wall. It provides electrical protection to an individual customer. It is designed to receive maximum 100A 22 x 58 size fuse cartridge or neutral tube. It is bi-metallic suiting aluminium or copper insulated cables 6-35mm<sup>2</sup>.

### Features of K490 (K491) and K291are:

- Accepts 100A barrel type fuse: 58 x 22mm.
- Pig tail type extraction - type **FEHBX**.
- UV stabilised body - fully waterproof seals.
- Torque controlled shear head screws.
- Insulation piercing on all cable sizes and types.
- K291 application range: 6 - 95mm<sup>2</sup> - copper or aluminum.
- K491 application range: 6 - 35mm<sup>2</sup> - copper or aluminum.
- Facility to be gang mounted.
- Self supported whilst being mounted.
- Cable entry ports designed to eliminate moisture ingress.



K291

Part No.	Description	Standard Pack Quantity
K490	1 Phase FSD 100A G2 + House Number	20
K491	1 Phase FSD 100A G2 (Without House Number)	20
K492	Number Plate for FSD K 491 / Cable	50
K291	Single Phase FSD 100A (Size 22 x 58)	1

## ACCESSORIES

**K295** - This adaptor is designed to fix the FSD on bracket type "swan neck". It can also be fixed using a stainless steel strap or 2 screw.

**FSDSNAB** - Mounting Bracket, Glass reinforced UV stabilised mounting bracket for K490 / K491 screw mounting option or swan neck adaptor.

# LOW VOLTAGE FITTINGS



## FUSED SWITCH DISCONNECTS (POLE FUSE)



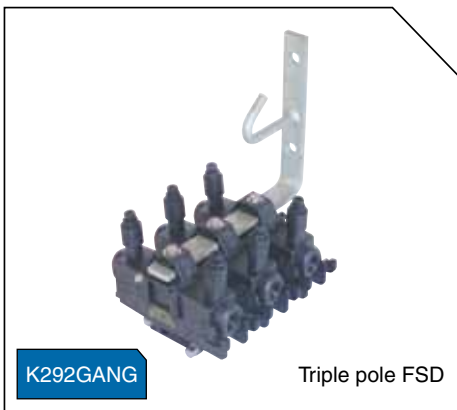
K292

### Features of K292 are:

- 160A Size 00 din fuse links or 250a solid link.
- Hinged fuse carrier, extraction via hot stick - type LOS3.
- UV stabilised body - fully water proof seals.
- Torque controlled shear head screws.
- Insulation piercing on all cable sizes and types.
- Large application range: 6 - 95mm<sup>2</sup> - Copper or Aluminum.
- Facility to be gang mounted.
- Self supported whilst being mounted.
- Angled cable entry ports to eliminate moisture ingress.

Part No.	Number of Fittings in Assy	Fuse Rating	Fuse Type	Shear Head A/F mm
K292	N/A	160 / 250	DIN00	13

## GANG MOUNTED K292



K292GANG

Triple pole FSD

### Gang FSD to suit 160A

Part No.	Number of Fittings in Assy	Fuse Rating	Fuse Type	Shear Head A/F mm
K292GANG	3	160 / 250	DIN00	13
K292GANG4	4	160 / 250	DIN00	13

# LOW VOLTAGE FITTINGS



## FUSED SWITCH DISCONNECTS



### Type - NHP Features

- UV stabilised glass reinforced body.
- Double circlip retention of fuse.
- Comes with integral attachment bracket - pattern B.
- Extraction pigtail tool - type - FEHBX.

Part No.	Cable Range mm <sup>2</sup>	Fuse Rating	Fuse Type
NHP100AD	6 - 35	100	HRC 58 x 12
IPSNG		Swan Neck Bracket Pattern B	
COMBHOOK		Combination Bracket Pattern B	
PIGTAIL		Combination Loop Bracket Pattern B	



## IN LINE OVERHEAD OR PILLAR FUSE



This sleeve is designed to use a 22 x 58mm AD fuse cartridge or neutral tube. It is used without mechanical load. Mechanical tightening terminals allow implementation in the ABC (Aerial Bundled Conductors) using a simple spanner. Opening and closing of the sleeve can be performed under a load of 63A maximum.

### Features of K221 are:

- Connection is established by insulation piercing technology. Tightening is ensured by shear head screw.
- Terminals suit 6 - 35mm<sup>2</sup> Al/Cu or 16M-50M Al cables.
- Dielectric strength in water is over 6kV.
- Spring holding the fuse cartridge is designed to leave it on the customer side when opening the sleeve (without voltage).
- Seal cap allows to temporary protect access in the network side.
- When the cartridge is implemented, the sleeve the sleeve can be locked by using the sealing ring.

Part No.	Designation	Standard Pack Quantity
K221	Aerial Cutout Sleeve 22 x 58 / 100A	10

# LOW VOLTAGE FITTINGS



## FUSE SWITCH CONNECTOR (INDEPENDENT TIGHTENING)



K210

### Features of K210 are:

- Insulated piercing of the main line and the tap line is independently carried out.
- Tightening efficiency is ensured by shear head screws.
- Dielectric strength in water is over 6kV.
- Spring holding the fuse cartridge is designed to leave it on the customer side when opening the cutout (without voltage).
- When the cartridge is implemented, the cutout can be locked by using the closing ring.
- 100 Amp fuse capacity with 22 x 58mm barrel type fuse.

### Type Fuse Switch Connector 100A / 6-35mm<sup>2</sup>

Part No.	Designation	Main Line mm <sup>2</sup>	Tap Line Insulated Al-Cu mm <sup>2</sup>	Pack Qty.
K210	Fuse connector piercing	Insulated Al/Cu 35 - 150	6 - 35	10

## FUSE SWITCH CONNECTOR



K223

This fuse is designed to use a 10.3 x 38mm size fuse cartridge or neutral tube. It provides electric protection to insulated service or street light conductors connected to a low voltage ABC (Aerial Bundled Conductors). Maximum rating is 20A.

### Type Fuse Switch Connector 20A / 1.5 - 16mm<sup>2</sup>

Part No.	Designation	Main Line mm <sup>2</sup>	Tap Line Insulated Al-Cu mm <sup>2</sup>	Pack Qty.
K223	Fuse connector piercing 20A / 95 - 10	Insulated Al/Cu 16 - 95	1.5 - 10	10
K224	Fuse connector piercing 20A / 95 - 16	Insulated Al/Cu 16 - 95	6 - 16	10
K228	Fuse connector bare 20A/Cu 95 - 10	Bare Cu 16 - 95	1.5 - 10	10
K229	Fuse connector bare 20A/Al 95-10	Bare Al 16-95	1.5 - 10	10



K224

K228

K229

# LOW VOLTAGE FITTINGS



## PITT FUSED UNDERGROUND (FSD)



K199

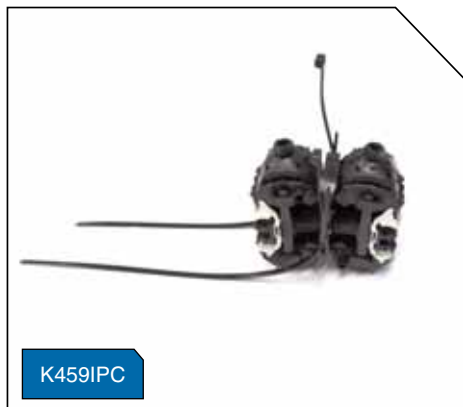
These fully waterproof, insulated connectors are suitable for installation in a pit and enable underground services to be connected quickly and safely by one person using a ratchet spanner. The connectors have been rigorously tested and avoid the need for stripping, compression tooling or heat shrinking.

### Features of K199 are:

- Terminals incorporate insulation piercing technology.
- Simple, quick, fail safe three step installation.
- Terminals accept a wide range of cables from 6 - 50mm<sup>2</sup>.
- The K199 terminal has 2 cable entry points to suit phase connections and 100AMP fuse capacity with a 22 x 58 barrel type.
- The tapered flexible cable seal enables the connector to remain waterproof, even when cables are not in straight alignment with the connector.
- Terminals suit XLPE and PVC insulated single core and multi-core cables.
- Reusable - up to three times with copper cable.
- Connector is able to be separated with the fuse remaining in the dead side.
- Plug provided to cap live side after connector is separated.

Part No.	Designation	Range mm <sup>2</sup>	Standard Pack Quantity
K199	Fuse Insulation Piercing Pit Connector	6 - 50	10

## RING CONNECTOR



K459IPC

The 4 poles ring connector is used to establish 1 or 2 service tap connections from a low voltage underground network.

### Features of K459IPC are:

- Contact is preformed simultaneously with the insulation piercing technology on main and tap sides.
- Earthing device is available as an option
- Connectors is composed of:
  - 2 identical IP2X bipolar tightening parts enabling a non-oriented setting and a symmetric tightening from top.
  - 1 wedge to lock both parts of the connector on the cable.
- Body is made of synthetic materials to ensure safety work under voltage.
- Ergonomics design to meet the particular constraints of the underground work.
- Tightening efficiency is achieved by shear heads screws.
- Underground box and resin kit available on request.

Part No.	Designation	Main Line mm <sup>2</sup>	Tap Line Insulated Al-Cu mm <sup>2</sup>	Pack Qty.
K459	4 Poles Service Connector (ring connector)	50 - 240	2 x 10 - 50	8



# ABC

# HIGH VOLTAGE FITTINGS

## PAGE

### HIGH VOLTAGE FITTINGS

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**“ Comprehensive Range of High Voltage ABC Fittings ”**

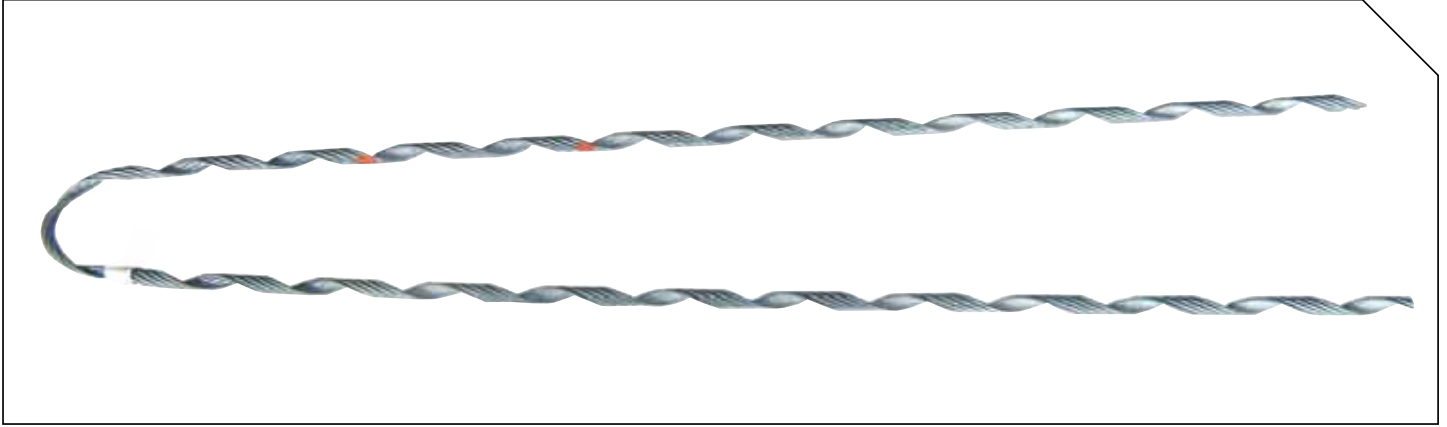


# HIGH VOLTAGE FITTINGS



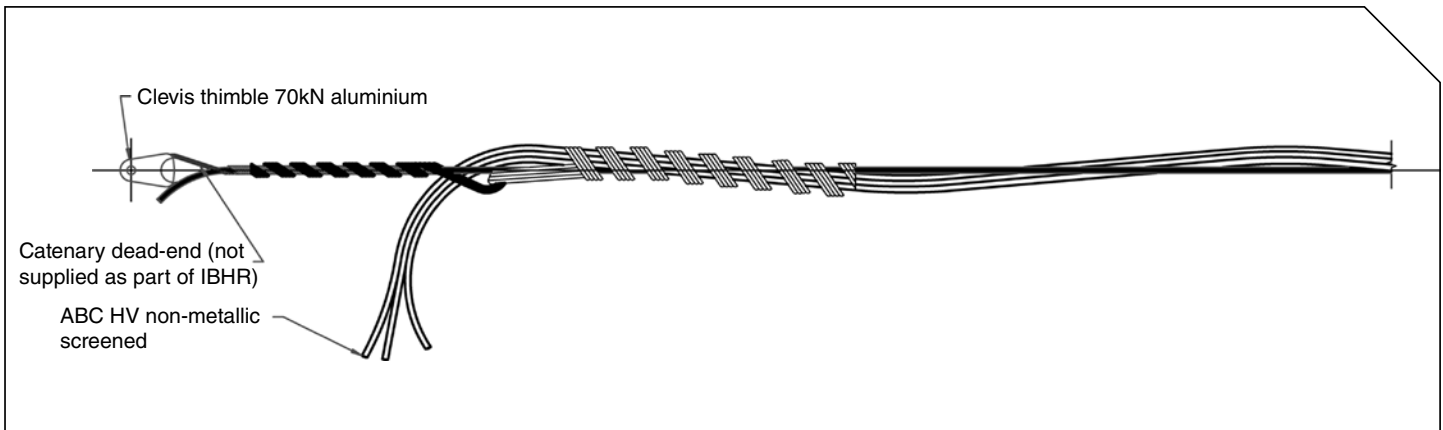
## STRAIN ASSEMBLY AND BUNDLE RESTRAINT

To secure HVABC conductors at strain or tension points, you must utilise two types of fittings to secure both the catenary, as well as the ABC bundle itself. The Catenary is secured at a strain point using a standard PLP Helical catenary dead-end of applicable size and type - refer table below.



Part No.	HVABC Cable Type AS3599.1 or .2	HVABC Cable Size mm <sup>2</sup>	Catenary Stranding	Catenary Material	Colour Code
GFG-060	Metallic Screened	35	7/2.00	Gal Steel	Yellow
GFG-100	Metallic Screened	35 - 185	19/2.00	Gal Steel	Yellow
AFG-136CL	Non Metallic Screened	35 - 95	7/5.00	Alum Alloy	Blue
AFG-175CL	Non Metallic Screened	120 - 185	19/3.65	Alum Alloy	Black

The HVABC bundle assembly, must be secured to the catenary so it does not drift into the middle of the span. This eliminates bird caging, or spreading of the cores. PLP have developed a Helical bundle restraint for this purpose, which is simple to apply and is designed to avoid damage to the phase cores. The assembly is comprised of two Helical dead-ends, which interlock, to tie the catenary to the bundle. The dead-end used to retain the catenary, is designed to be applied over the catenary dead end as above.

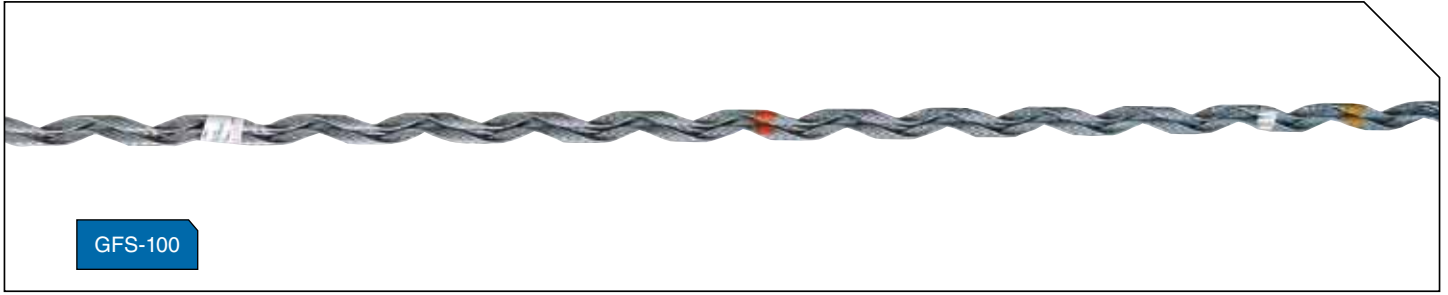


Part No.	HVABC Cable Type AS3599.2	11kV Cable mm <sup>2</sup>	22kV Cable mm <sup>2</sup>
IBHR1450	Non Metallic Screened	35 - 50	
IBHR1455	Non Metallic Screened	70	35
IBHR1460	Non Metallic Screened	95	50
IBHR1465	Non Metallic Screened	120 - 185	70 - 95
IBHR1765	Non Metallic Screened	120 - 150	
IBHR1770	Non Metallic Screened	185	
IBHR1775	Non Metallic Screened		120 - 150
IBHR1780	Non Metallic Screened		185

# HIGH VOLTAGE FITTINGS



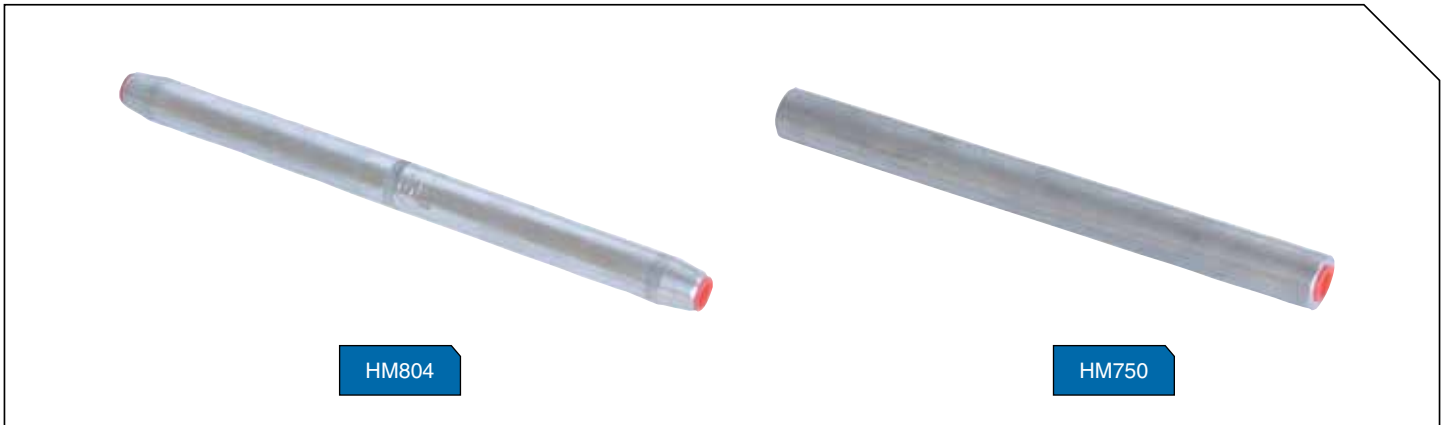
## HELICAL LINE SPLICE



At locations where joints of the catenary on HVABC cables are required, a Helical line splice or a compression midspan joint can be used. For details of Joints for connecting conductor cores, please refer to the cable accessories CD, and the available range of Raychem medium voltage joints and heat shrink sleeving, together with the Utilux catalogue for details of applicable compression connectors.

Part No.	HVABC Cable Type AS3599.1 or .2	Catenary Stranding	Catenary Diameter mm	Catenary Material	11kV mm <sup>2</sup> or 22kV
GFS-060	Metallic Screened	7/2.00	6.0	Gal Steel	35
GFS-100	Metallic Screened	19/2.00	10.0	Gal Steel	35 - 185
AFS-143	Non Metallic Screened	7/5.00 Compacted	14.3	Alum Alloy	35 - 95
AFS-175	Non Metallic Screened	19/3.65 Compacted	17.5	Alum Alloy	120 - 185

## COMPRESSION MIDSPAN JOINT

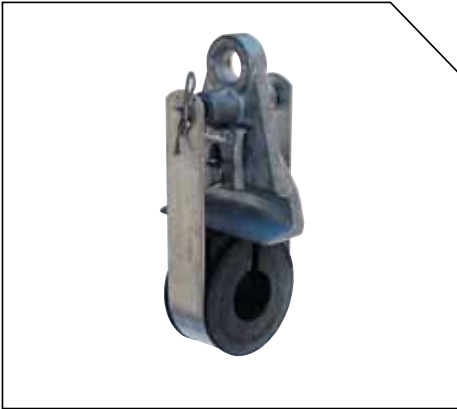


Part No.	HVABC Cable Type AS3599.1 or .2	Catenary Stranding	Catenary Diameter mm	Catenary Material	11kV mm <sup>2</sup> or 22kV
HM804	Metallic Screened	7/2.00	6.0	Gal Steel	35
HM808	Metallic Screened	19/2.00	10.0	Gal Steel	35 - 185
HM750	Non Metallic Screened	7/5.00 Compacted	14.3	Alum Alloy	35 - 95
HM751	Non Metallic Screened	19/3.65 Compacted	17.5	Alum Alloy	120 - 185

# HIGH VOLTAGE FITTINGS



## SUSPENSION CLAMP



The **HVABC** suspension clamp is suitable for use on metallic and non-metallic screened **HVABC** cables, for voltages up to 22kV. It is designed to accommodate line deviations up to 45 degrees. It can be used at both intermediate suspension locations, as well as a secondary means of securing a bundle to the catenary at strain locations. If used in this manner, an **IBHR** bundle restraint, as per the preceding page, is not required.

Incorporates UV stabilised semi-conductive elastomeric insert, aluminium alloy strap, high strength cast aluminium clamp, and stainless steel hardware. Design of clamps, allows for a minimum of lifting of conductor during installation. Minimum failing load of clamp - 40kN.



Part No.	HVABC Cable Type AS3599.2	Catenary Diameter mm	11kV Cable mm <sup>2</sup>	22kV Cable mm <sup>2</sup>
IBSH1050	Metallic Screened	6 - 10	35	
IBSH1055	Metallic Screened	6 - 10	50	
IBSH1060	Metallic Screened	6 - 10	70	35
IBSH1065	Metallic Screened	6 - 10	95 - 120	50
IBSH1070	Metallic Screened	6 - 10	150	70 - 95
IBSH1075	Metallic Screened	6 - 10	185	120
IBSH1080	Metallic Screened	6 - 10		150
IBSH1085	Metallic Screened	6 - 10		185
IBSH1840	Non Metallic Screened	14 - 18	35 - 50	
IBSH1845	Non Metallic Screened	14 - 18	70	
IBSH1850	Non Metallic Screened	14 - 18	95 - 120	35 - 50
IBSH1855	Non Metallic Screened	14 - 18	150	70
IBSH1860	Non Metallic Screened	14 - 18	185	95 - 120
IBSH1865	Non Metallic Screened	14 - 18		150
IBSH1870	Non Metallic Screened	14 - 18		185

# HIGH VOLTAGE FITTINGS



## POLE SUPPORT CLAMP



BCHVPC

Used for supporting HVABC conductor bundle down the pole.

### Features of BCHVPC are:

- Stainless M12 fasteners.
- Slot to allow banding to pole or structure.

Part No.	Bundle Diameter mm	Mounting Hole Diameter mm	Standard Pack Quantity
BCHVPC-035-3	35	5.5	35
BCHVPC-040-3	40	5.5	35
BCHVPC-050-3	45 - 50	5.5	35
BCHVPC-050-3A	45 - 50	12	35
BCHVPC-060-3	55 - 60	5.5	35
BCHVPC-060-3A	55 - 60	12	35
BCHVPC-070-3	65 - 70	5.5	35
BCHVPC-070-3A	65 - 70	12	35

## YOKE BAR FOR ABC SUSPENSION



YABCOF

This double suspension yoke bar provides up to 60° line deviation by using two suspension clamps of 30° each.

Part No.	Diameter mm	Length - Hook to hook mm	Standard Pack Quantity
YABCOF-150	16	150	25
YABCOF-300	16	300	25
YABCOF-410	20	410	1

# HIGH VOLTAGE FITTINGS



## M16 GALVANISED HOOK BOLTS



Made of galvanised steel for use with either wood or concrete poles. Straight hook.

Part No.	Length mm	Threaded Length mm	Bolt Size mm
GEB-16150-T	150	150	16
GEB-16250-T	250	250	16
GEB-16350-T	350	350	16
GEB-16450-T	450	450	16

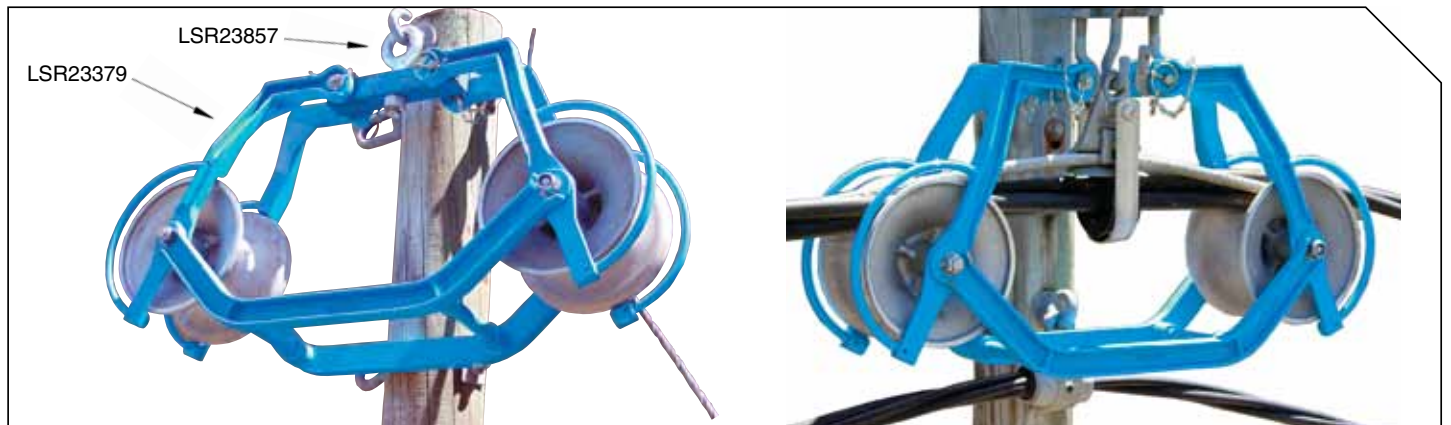
**Note:** Other lengths available on request.

## STRING ROLLER (TYPE LSR23379)

The **LSR23379** stringing roller is a versatile, lightweight and safe product. It is suitable for use on line deviations up to 45 degrees, and accommodates **HVABC** cables up to 185mm<sup>2</sup> - 22kV.

The deep profile design of the rollers, ensure conductors do not stick or jam during stringing, and the frame design ensures that the conductor is guided and retained at all times. Its wide entry design allows for easy application of suspension clamps, and plenty of working space. Its mounting on support hooks allows for vertical height adjustment, which eliminates the dangerous practice of lifting conductors to secure in suspension clamps. With a weight of just 9kg, it is safe for one person to handle.

The standard assembly is used in conjunction with support hooks and associated brackets at suspension clamp locations, but with the addition of the **Yoke Assembly - LSR23857**, it can also be attached to a hook bolt or bracket at the start of a stringing run, where a suspension point is not required. This allows for the cable to be temporarily supported at termination or strain points, until tensile loads are applied and strain clamps fitted.



# HIGH VOLTAGE FITTINGS



## POLE BRACKET



The two most widely used Pole Brackets are - **SB10312** and **IBHPBV**. These items are manufactured from galvanised steel and can be either bolted or strapped to either concrete or timber poles.

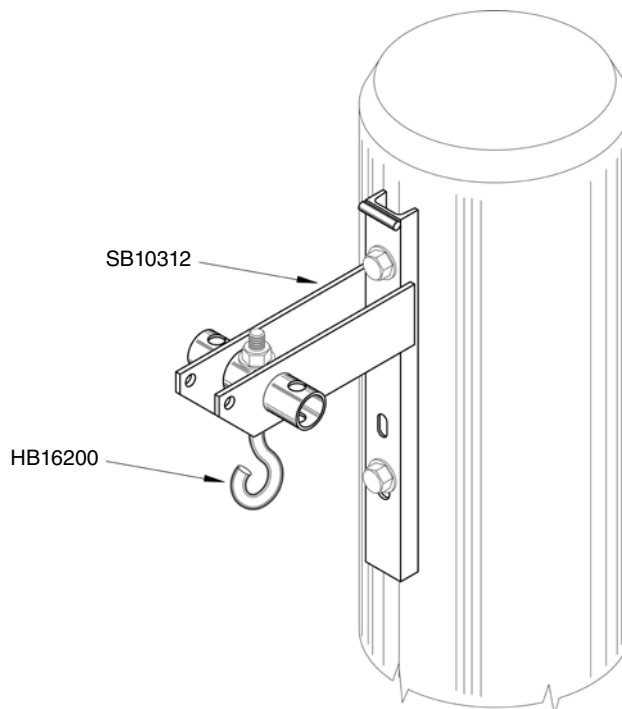
Both brackets incorporate a cylindrical mounting tube, complete with 3 hook mounting holes, which are used for two purposes.

- The middle hole is used to locate and mount a suspension clamp.
- The outer two holes (each side) are used to locate and mount a string roller assembly - Product No **LSR23379**, and to adjust its height whilst stringing.

Both the suspension clamp and stringing roller are attached to the tube, using support hooks - product No **HB16200**. These hooks are manufactured from galvanised steel, have a minimum failing load of 12kN and are supplied with washers and nuts. The two outer hooks that locate the stringing roller, are used to adjust its mounted height for stringing. This adjustment allows the rollers to be located at a height that eliminates any necessity to lift either the conductor bundle or catenary for attachment into the suspension clamp.



The **SB10312** bracket is generally utilised at a point below the top of the pole, whereas the **IBHPBV** is generally installed at the pole top. The **IBHPBV** bracket has the facility to mount an insulator on its top surface to support a bare conductor during retrofit work, so as customer outages are minimised.





# ABC

# COVERED CONDUCTOR FITTINGS

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“ Comprehensive Range of CCT  
Covered Fittings ”



# COVERED CONDUCTOR FITTING (CCT)



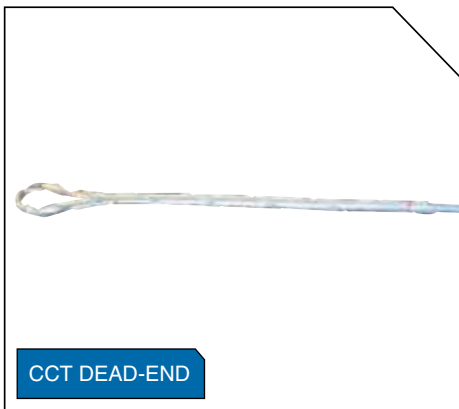
## STRAIN CLAMPS AND COVERS (CCT)



To secure CCT conductors at strain or tension points, the most common method is utilising a rack driven wedge assembly. The clamp incorporates a clevis attachment point, and stringing eye, as well as a clamping bar, to lock the conductor in position once tensioned. The contoured design, eliminates stresses on the conductor as it exits the clamp. The UV Stablised cover, completes the assembly, and the makes the strain assembly fully covered. The cover assembly has been designed for assembly over standard insulators. The assembly is suitable for use on conductors voltages from 11kV up to 33kV.

Part No.	Cover Part No.	Cable Size mm <sup>2</sup>	Cable Stranding
CCS80	CCC80120	80	7/3.75
CCS120	CCC80120	120	7/4.75
CCS180M	CCC80120	180	19/3.50

## UNCOVERED STRAIN CONNECTIONS (CCT)



In areas where a fully covered system is not required ( for example at termination points where tree proximity is not an issue ), an aluminium Helical Dead-end may be used, over the conductor insulation, to eliminate the need for stripping the conductor. This system is utilised on 11kV networks only.

Part No.	Cable Size mm <sup>2</sup>	Cable Outer Diameter mm
AFG-188-CL	80	17.9 - 19.4
AFG-210-CL	120	20.9 - 22.4
AFG-238-CL	180	24.1 - 25.7

## COMPRESSION JOINTS AND COVERS (CCT)

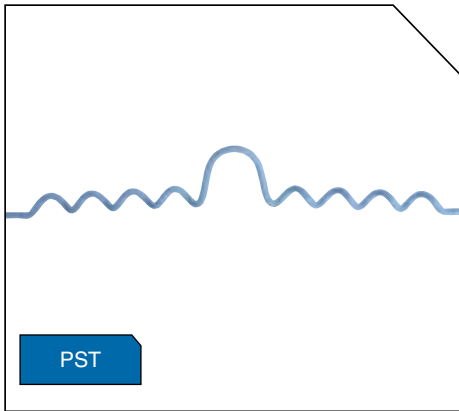


At locations where CCT conductors must be joined midspan, a series of compression joint kits are available. All kits are supplied complete with Raychem heatshrink mastic lined sleeves, to ensure the joint area is both insulated and sealed. This added sealing slows the onset of corrosion, and decreases resistance in the joint, resulting for otherwise unprotected rapid oxidation of the connection. Compression joints are suitable for all voltages of CCT - 11kV up to 33kV, and are compatible with the material of the conductor.

Part No.	Cable Size mm <sup>2</sup>	Cable Stranding
HM704CCT	80	7/3.75
HM704CCT	120	7/4.75
HM718CCT	180	19/3.50

# COVERED CONDUCTOR FITTING (CCT)

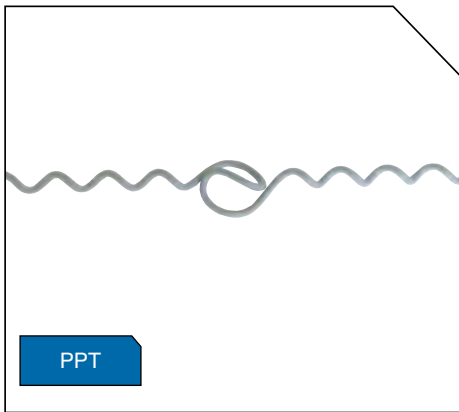
## NON METALLIC HELICAL TOP AND SIDE TIES (CCT)



At suspension locations, whether they be at pin or post type insulators, a series of non-metallic Top and Side ties are available. The ties are installed over the insulation of the conductor, and therefore stripping is not required.

Ties are manufactured from UV Stabilised PVC, and are available for 76mm Insulator neck size. Ties may be supplied in a colour to suit the conductor insulation. Standard colour is Grey. Ties are easily applied by hand, as with other Helical ties. Ties are suitable for angular deviations up to 30 degrees.

Part No. (Side Ties Dead-end)	Cable Size mm <sup>2</sup>	Cable Outer Diameter mm
PST14307G	80	11
PST18307G	120	11
PST23407G	180	11

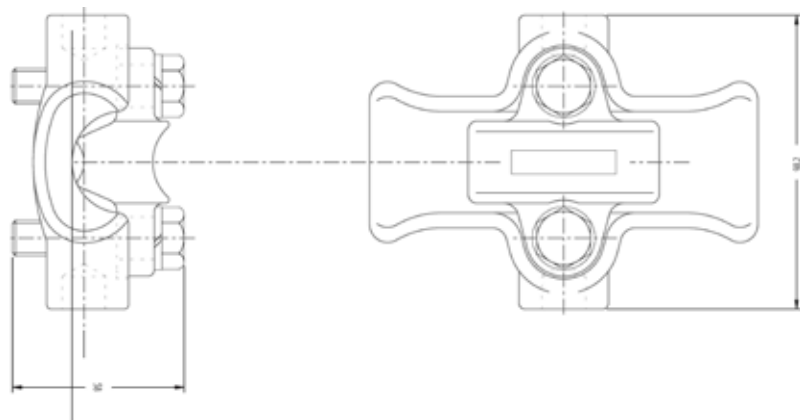


Part No. (Top Tie)	Cable Size mm <sup>2</sup>	Cable Outer Diameter mm
PTT14307G	80	17.9 - 19.4
PTT18307G	120	20.9 - 22.4
PTT23407G	180	24.1 - 25.7

## INSULATOR TOP CLAMPS (CCT)



At suspension locations where stresses at the connection point, or line angle deviations do not allow for installation of plastic ties, a rigid clamp top can be installed to secure the conductor. The clamps are manufactured from aluminium alloy, and have an application range of 7mm up to 32mm. The clamp can be applied over the conductor insulation. Covers can be provided to protect the clamp from accidental contact.



Part No.	Material Type	Minimum Conductor Diameter mm	Maximum Conductor Diameter mm
Y11195	Aluminium	7	32

# COVERED CONDUCTOR FITTING (CCT)



## PARALLEL GROOVE CLAMPS FOR LINE TAPS AND NON TENSION JOINTS

Parallel Groove clamps can be utilised in non tension applications as conductor joints, as well as line taps to either insulated or bare conductors. Both aluminium and bi-metallic are available, and both items can be covered using an applicable cover. All clamps are supplied complete with oxide inhibitor and Belleville spring washers, to control forces generated during electrical heat cycling.



Part No.	Material Type	CCT Cable Size mm <sup>2</sup>	Line Tap Cable Size mm <sup>2</sup>	Line Tap Cable Size mm	Suitable Cover Part No.
3594-FS	Aluminium	80 up to 180	35 - 240	7.5 - 20.2	CCPGC154
3913-FS	Bi-Metallic	80 up to 180	35 - 185	7.5 - 17.5	CCPGC154
HDGW15	Non Metallic Screened	17.5	Alum/Alloy	810	58

## WORKING EARTH POINT COVERS

Working earth point covers are designed to cover a stripped area of conductor which would be used as a local earthing location. The cover is manufactured from UV stabilised material, and is designed such that it can be opened, moved and reapplied using hot sticks. The cover can be easily trimmed to produce a next fit on all sizes of CCT at all voltages.



# COVERED CONDUCTOR FITTINGS (CCT)



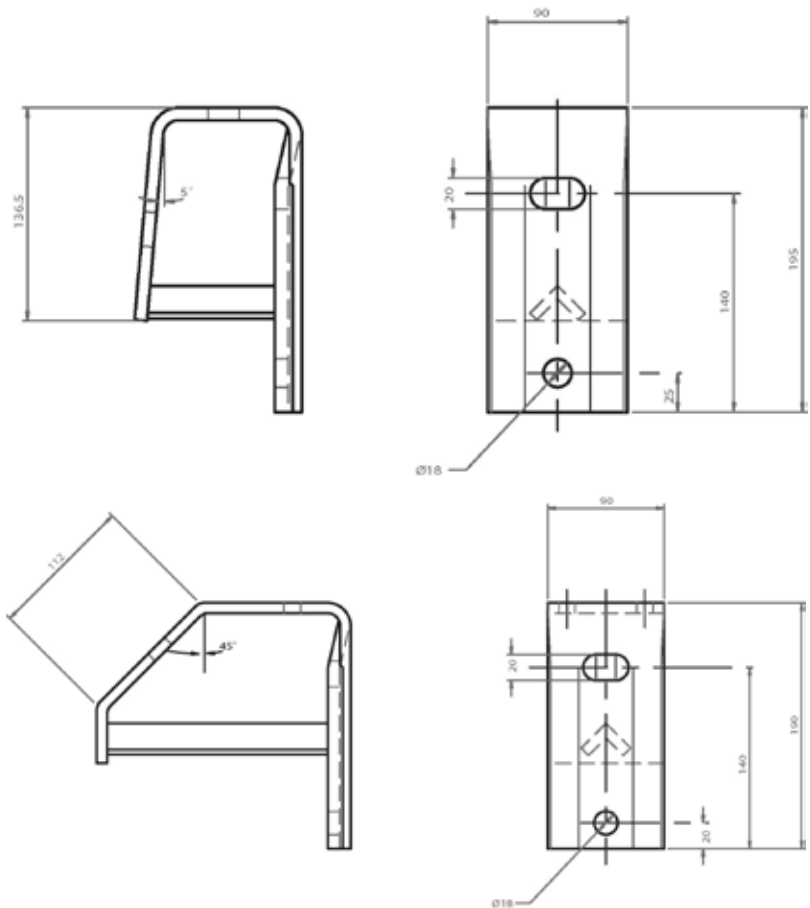
## INSULATION PIERCING CONNECTOR (LIGHTNING PROTECTION)

For applications where Surge Arrestors are used for lightning protection, a connection from the arrester to the conductor can be made using an IPC. This connector **CCIPC11120 (11kV 80 / 120mm<sup>2</sup>)** utilises shear head bolts, which remain proud of the connector after shearing. An earth lead, with lug, can be attached to this additional length of bolt on the top of the connector. At the bottom of the connector a stirrup - type 25705F01 can also be attached as a means to attach a temporary earth.



## MOUNTING BRACKET INSULATORS

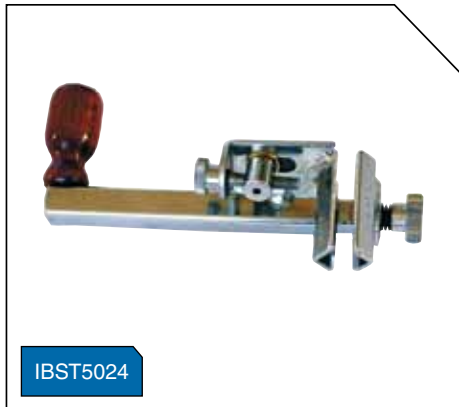
Brackets are available to mount insulators in either a trident (3 phases per bracket), or single phase format. All brackets are manufactured from galvanised steel. Brackets are not supplied with pole attachment hardware, due to the variety and type of mounting possibilities.



# COVERED CONDUCTOR FITTINGS (CCT)



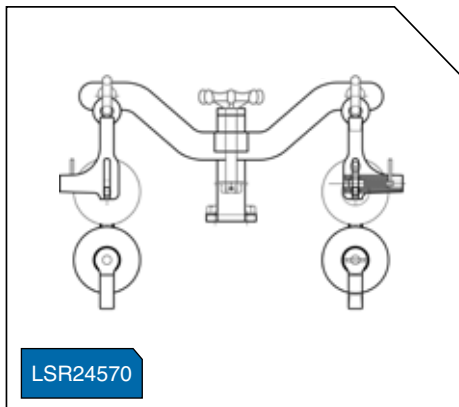
## CABLE STRIPPING TOOLS



### Features of IBST are:

- Used for removal of core insulation.
- Removes insulation up to 5.5mm thick.
- Cable range from 12mm - 32mm.
- Long life blade.

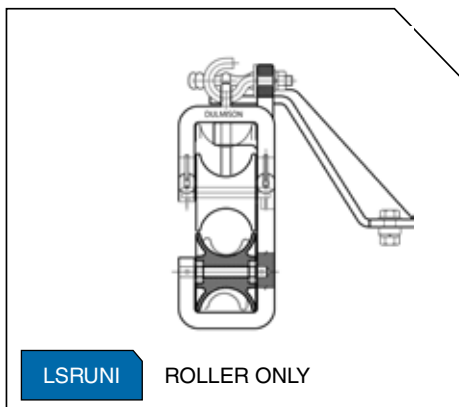
## STRINGING ROLLER ASSEMBLIES



A unique stringing roller assembly has been designed to allow quick, safe and trouble free installation of all sizes of CCT conductors. The assembly has been designed for attachment to the CCB brackets.

### Features of LSR24570 are:

- Vertical height adjustment and lowering of cables - no lifting required.
- Movable top roller for easy insertion of conductors.
- Top roller locks in position, so as conductor cannot disengage whilst being strung.
- Lightweight design, able to be installed and removed by one person.
- Durable aluminium rollers with bearings.
- Suitable for stringing angles up to 30 degrees.
- Rollers can also be used to string LVABC up to 150mm<sup>2</sup>.
- LSRUNI is a stringing roller only. It does not include attaching bracket.



# ABC HARDWARE

“ Comprehensive Range of  
ABC Hardware ”

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# POLE HARDWARE



## MECHANICAL WEAK LINK



### Features of IBW are:

- Installed between suspension fitting on pole support fitting.
- Will withstand normal loading, but will fail under impact loads.
- Eliminates damage to suspension fitting and cables.

Part No.	Diameter of Material	Total length	Material Type	Min Failing Load kN
IBWL02	6	81	S/Steel	2
IBWL04	10	100	Gal/Steel	4
IBWL08	12	100	Gal/Steel	8

## EYE NUT



### Features of ENG are:

- Screwed onto threaded device to produce eye attachment.

Part No.	Thread size	Thread Length	Material Type	Diameter of Eye material
ENG-16	M16	30	Gal/Steel	12
ENG-20	M20	40	Gal/Steel	20
EN2020	M20	40	Gal/Steel	20
ENG-24	M24	45	Gal/Steel	20

## HOOK NUT



### Features of ENGO are:

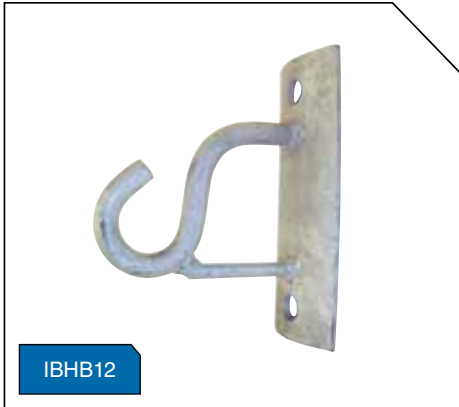
- Screwed onto threaded device to produce hook attachment.

Part No.	Thread size	Diameter of Eye material	Material Type	Failing Load kN
ENGO-16	M16	16	Gal/Steel	12
IBHN24	M20	20	Gal/Steel	24

# POLE HARDWARE



## HOOK BRACKET



### Features of IBHB are:

- Designed for façade mounted strain clamps.
- Can be strapped to concrete poles with stainless steel strap.
- Used as temporary hook, for attachment of stringing rollers.

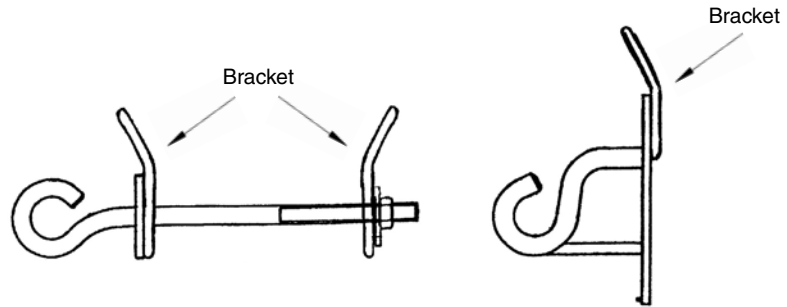
Part No.	Mounting Centres	Diameter of Eye Material	Material Type	Failing Load kN
IBHB12	150	16	Gal/Steel	12
IBHB24	150	20	Gal/Steel	24

## SERVICE SUPPORT BRACKET



### Features of IBSSB are:

- Used as a service strain clamp attachment point.
- Used in conjunction with hook bolts hook bolt or hook brackets.
- Galvanised Steel.





# ABC

# ASSEMBLY AND STRINGING TOOLS

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“ Comprehensive ABC Assembly and Stringing Tools ”



# ASSEMBLY AND STRINGING TOOLS



## CABLE STRIPPING TOOLS



The IBLST stripping tool, is designed to remove the tough cross linked polyethylene insulation from low voltage aerial cables. The length of insulation removed is able to be controlled to suit stripping for lugs and sleeves.

Part No.	Cable Size mm <sup>2</sup>
IBLST50	50
IBLST95	95
IBLST150	150
IBLSTB	Spare blade

## RUNNING SHEAVES



### Features of 5930 are:

- Attaches to standard hardware, using socket tongue supplied.
- Accommodates cables up to 4 x 150mm<sup>2</sup>.
- Provides clear working space for linesmen.
- Suitable for stringing angles up to 60 degrees - SWL - 10.8kN.
- No lifting of cables required.

## CORE SEPARATING TOOLS

### Features of IBSW95 are:

- Suitable for LVABC.
- Supplied in pair - on metre of rope.
- Impact resistant material.

Part No.	Cable Size mm <sup>2</sup>
IBSW95	up to 150mm <sup>2</sup>
K005	up to 150mm <sup>2</sup>
K007	80 - 240mm <sup>2</sup> (round and sector)



IBSW95

K005

K007

# ASSEMBLY AND STRINGING TOOLS



## RATCHET SPANNERS



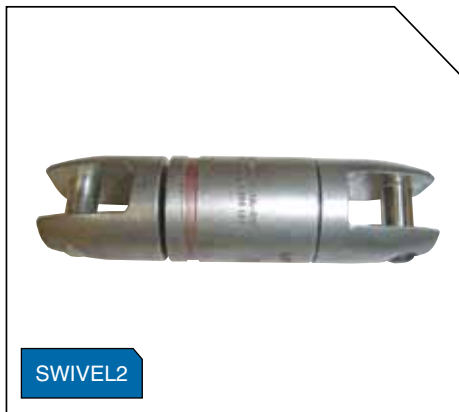
IBLS6

### Features of IBLS are:

- Used on all overhead shear bolt connectors.
- 13mm and 17mm across flats in one spanner.
- Reversible ratchet.
- Fits stainless steel nuts used in strain and suspension clamps.
- Fixed socket that cannot be lost or dropped during installation.

Part No.	Size mm <sup>2</sup>
IBLS-6	over all length 190mm <sup>2</sup>
IBLS-6LONG	over all length 260mm <sup>2</sup>

## SWIVELS



SWIVEL2

### Features of SWIVELS are:

- For use with pulling socks, to eliminate twist.

Part No.	Length mm	Diameter mm	Maximum Cable Diameter mm	Safe Working Load kN
SWIVEL1	122	28.5	10.0	1000
SWIVEL2	178	50.0	18.5	2000

## NYLON (LV CONDUCTORS)



CSN

Cable Stockings have many uses in the areas of construction, hauling and pulling. As the type of stocking design varies with each type of cable used, PLP can supply a range of stockings to meet your requirements.

Part No.	Conductor Construction (mm <sup>2</sup> )	Tension Rating (kN)	Length Total (mm)
CSN-0225	2 x 25	15	600
CSN-0235	2 x 35	15	600
CSN-0250	2 x 50	15	600
CSN-0295	2 x 95	15	600
CSN-0335	3 x 35	15	600
CSN-0395	3 x 95	25	600
CSN-0425	4 x 25	15	600
CSN-0435	4 x 35	15	600
CSN-0450	4 x 50	15	600
CSN-0470	4 x 70	17	800
CSN-0495	4 x 95	25	800
CSN-4150	4 x 150	25	800

# ASSEMBLY AND STRINGING TOOLS



## COME-ALONGS TENSIONING DEVICES



EM5095

### Features of EM and BCCA are:

- Rugged steel plated construction.
- Cast aluminium clamping jaws.

Part No.	Cable Application Range mm <sup>2</sup>	Holding Strength kN	Weight kg
EM35	2 x 25 - 35 & 4 x 16 - 50	5.9	3.2
EM5095	4 x 50 - 95	7.8	5.8
BCCA-495150-3	4 x 95 - 150	9.0	6.5

## COME-ALONG CLAMP (AS SERIES)



BCCA

The AS series come-along clamps are manufactured in Australia and are intended for use on LV ABC cables of 4 x 95 and 4 x 150mm<sup>2</sup> bundles.

Manufactured with aluminium clamping blocks, the AS series come-along clamps are designed to suit the maximum stringing tensions consistent with these cables.

### Features of BCCA are:

- Aluminium alloy, clamping block.
- Painted steel frame.
- Galvanised steel shackle.

Part No.	Conductor Size mm <sup>2</sup>
BCCA-225495	2 x 25 - 4 x 95
BCCA-495150-3	4 x (95 - 150)

## CABLE STRIPPING TOOLS



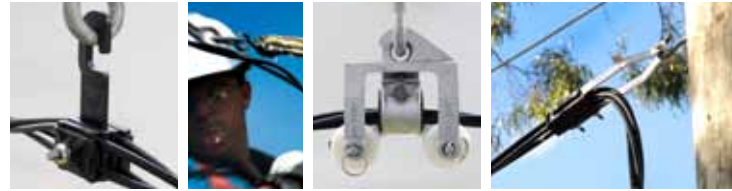
IBST1342

### Features OF IBST1342 are:

**Two types of stripping tools are available for use on HVABC cables**

- Used for removal of semi conductive screen.
- Cut depth adjustable in 0.1mm increments.
- Spiral scoring function.
- Durable design.

# ASSEMBLY AND STRINGING TOOLS



HEAVY DUTY STEEL CONSTRUCTION  
ALUMINIUM AND STEEL BASED CONDUCTORS



CSS

Part No.	Conductor Diameter Range mm	Tension Rating kN	Length Total mm
CSS-0407HD	4 - 7mm	5	300
CSS-0611HD	6 - 11mm	8	350
CSS-1014HD	10 - 14mm	15	350
CSS-1419HD	14 - 19mm	20	400
CSS-1928HD	19 - 28mm	37	500
CSS-2840HD	28 - 40mm	54	600
CSS-4055HD	40 - 55mm	62	800

## NYLON (HV CONDUCTORS)



CSN

- Features of CSN are:**
- Mono-filament nylon.
  - Double eye.
  - Aluminium alloy ferrule.

Part No.	Conductor Construction mm <sup>2</sup>	Tension Rating kN	Length Total mm
CSN-0335-HV	3 x 35	25	800
CSN-0350-HV	3 x 50	25	800
CSN-0370-HV	3 x 70	25	800
CSN-0395-HV	3 x 95	31	900
CSN-3120-HV	3 x 120	31	900
CSN-3150-HV	3 x 150	31	900
CSN-3185-HV	3 x 185	31	900

## J HOOK DRIVER



TOOL HD-01

Designed with safety in mind, the new PLP J hook driver will make the installation of J hooks into timber poles quicker and easier than ever.

- Features of Tool-HD-01 are:**
- Spring loaded ball so the hook snaps into place with ease.
  - Indication mark, showing the alignment of the hook.
  - The conical shape allows the user to safely guide the hook.
  - Suits 12mm J & Round eye screw hooks.



Part No.	Description	Range
Tool-HD-01	J Hook Driver	12mm J & Round eye screw hooks

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BCSC-4095-3S	17	CSS-0611HD	48	IBSH1055	29	K229	24	PST18307G	37
BCSC-4095-3SHD	17	CSS-1014HD	48	IBSH1060	29	K235	8	PST23407G	37
BCSC-4150-3H	17	CSS-1419HD	48	IBSH1065	29	K247	10	PTT14307G	37
BCSC-4150-3S	17	CSS-1928HD	48	IBSH1070	29	K291	21	PTT18307G	37
BCSC-4150-3SHD	17	CSS-2840HD	48	IBSH1075	29	K292	22	PTT23407G	37
BCSRA-4150	18	CSS-4055HD	48	IBSH1080	29	K292GANG	22	R235	12
BCST-2025-3G	15	EM35	48	IBSH1085	29	K292GANG4	22	R235-4	12
BCST-2025-3GA	15	EM5095	48	IBSH1840	29	K30	13	R236	12
BCST-2025-3GAL	15	EN2020	42	IBSH1845	29	K31	13	R236-4	12
BCST-2025-3GL	15	ENG-16	42	IBSH1850	29	K32	13	SB10312	33
BCST-2025-3GLS	15	ENG-20	42	IBSH1855	29	K33	13	SSD-2X25AL19	20
BCST-2025-3P	15	ENG-24	42	IBSH1860	29	K35	13	SWIVELS	47
BCST-2025-3PA	15	ENGO-16	42	IBSH1865	29	K36	13	TOOL-HD-01	49
BCST-4035-3G	15	FSDSNAB	21	IBSH1870	29	K362	9	Y11195	37
BCST-4035-3GA	15	GEB-16150-T	32	IBSRA	18	K363	9	YABCOF-150	31
BCST-4035-3GAL	15	GEB-16250-T	32	IBSRC250	18	K364	9	YABCOF-300	31
BCST-4035-3GL	15	GEB-16350-T	32	IBSRC450	18	K37	13	YABCOF-410	31
BCST-4035-3GLS	15	GEB-16450-T	32	IBSRC495	18	K389	9		
BCST-4035-3P	15	GFS-060	29						

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