

LV Overhead



ENERGY IS OUR BUSINESS

SICAME AUSTRALIA



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LVABC Service Fitting Connectors

HSC Series - House Service Connectors

The HSC series of connectors have been specially designed to connect consumers mains (house side) to insulated overhead service mains (service side). Fully insulated and equipped with torque control shear-head bolts, the HSC is safe and easy to use. No stripping of insulation is required on the service mains side. The consumers mains side requires 17mm of insulation to be stripped.

The body is made from UV stable thermo plastic elastomer TPE. There are two versions available of the HSC, the single bolt connection designed for both phase and neutral connections and the two bolt HSCDB. The HSCDB is a two-bolt connection designed specifically for the Neutral where the customer requires additional security of the connection with two bolts and sets of teeth and tunnel connection points safeguarding against incorrect installation.

The HSC are easily installed and can be used alone or placed inside a mains box, see MCB.

Application

- Overhead service mains side: Insulated copper or aluminium 6-35mm²
- Consumer mains side: copper (stripped) 4-35mm².

Features

- Shear heads on all connection bolts
- Complies with relevant sections of AS/NZS 4396
- Fully bimetallic
- Tin plated brass teeth
- Easily fits into Sicame Australia mains boxes MCB series
- Totally insulated and waterproof
- IP67 rated
- Black bolt service mains, grey bolt customer mains.

DB Type (additional advantages)

Predominantly used on neutral connections.

- Windows to see conductor correctly installed on both the Service and Customer mains side of the connector
- Customer mains entry shroud extension to insulate stripped conductor on entry
- Two bolt connection both service mains and customer mains.

Testing Specifications

Relevant sections of AS/NZS 4396

Products on this page are unsuitable for multi-stranded flexible cables.



HSC435AE



HSC435DB



Note: Suffix 'E' denotes addition of yellow shear-head indicator.

LVABC Service Fitting Connectors

HSC Series cont.

Installation Notes

- Use only a 13mm AF, six-point hexagon socket to tighten bolts. Recommended for all products RPS 13/17-6H or RPS 13/17-6SH
- Application handle for HSC and HSC double bolt (tool - for installation of HSC435 connectors type A, B & DB) see HSC/HSCDB-H
- All other connections made on the service and consumers cable must also be waterproof to prevent moisture ingress through the cable into the connector.

Please Note: The products on this page can be ordered with high visibility shear-off identification tags. To order the products with these identification tags please add the suffix 'E' to the end of the product number when ordering.

Products on this page are unsuitable for multi-stranded flexible cables.



RPS13/17-6H or RPS13/17-6SH



Product Number	Description	Consumers Mains Cable (House Side) (mm ²)	Service Side Tap Range (mm ²)	Bolt Head AF (mm)	Pack Size
HSC435A	House service connector tin plated brass teeth & tunnel	4 to 35	6 to 35	13	10
HSC435B	House service connector tin plated brass contact plate on bolt & tin plated brass teeth & tunnel	4 to 35	6 to 35	13	10
HSC435DB	Twin bolt neutral house service connector tin plated brass contact plate on bolts & tin plated brass teeth & tunnel connections with viewing windows	4 to 35	6 to 35	13	10



Note: Suffix 'E' denotes addition of yellow shear-head indicator.

Installation Handle

Product Number	Description
HSC/HSCDB-H	HSC Series installation tool



LVABC Service Fitting Connectors

■ MCB Series - Mains Connection Box

The MCB is available in single and three phase units, both have environmental base and cover of impact resistant UV stabilised material to protect both the consumer mains and service mains at the connection point. The MCB accepts the standard single bolt HSC series connector suitable for 6 to 35mm² cable. Each stock unit contains the HSC series (House Services Connector) providing a fully sealed bimetallic connection of copper consumer mains to Al or Cu services. The unit can be purchased without connectors if desired.

The MCB has a rear access point for consumer mains entry and accepts a 30 & 40mm threaded conduit adapter if required.

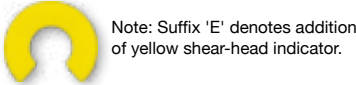
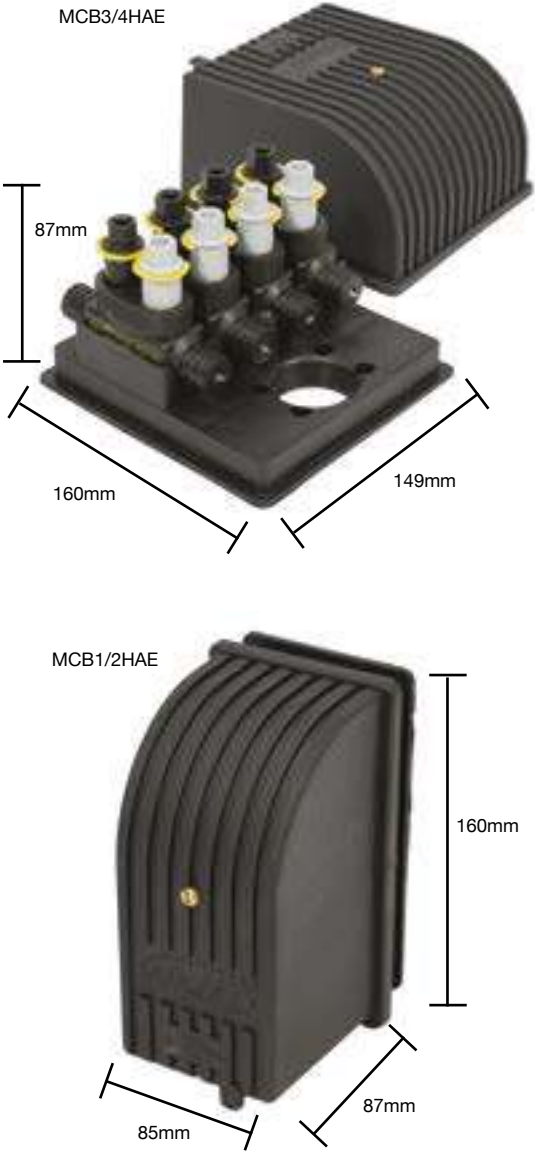
Features

- Fully insulated and waterproof connection system
- Plug in HSC's providing bi-metal connection of service cables to consumers mains
- Base suitable for rear entry of consumers mains
- Rear entry threaded to suit threaded conduit
- Eliminates UV degradation of PVC consumers mains
- Heavy duty impact resistance polyamide UV stabilised construction
- Mains box is IP66 rated
- Connectors are IP67 rated
- Can be painted
- Cover screw fully retained
- Can be fixed to fascia / pole bracket with 4 fixing holes
- Refer to page 7 for compatible mounting bracket.

Products on this page are unsuitable for multi-stranded flexible cables.



RPS13/17-6H or RPS13/17-6SH



LVABC Service Fitting Connectors

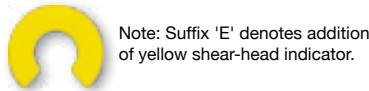
■ MCB Series - Mains Connection Box cont.

Note: Use only a 13mm AF, six-point hexagon socket to tighten the HSC bolts.

Please Note: The products on this pages can be ordered with high visibility shear-off identification tags. To order the products with these identification tags please add the suffix 'E' to the end of the product number when ordering.

A Philips head screwdriver is required to remove the MCB cover.

Product Number	Description	Number of HSC435AE Connectors Included	Base Plate hole diameter mm	Standard Pack Size
MCB1	Mains box - single phase	0	32	10
MCB1/2HA	Mains box - single phase MCB, with HSC435A	2	32	10
MCB1/2HAE	Mains box - single phase MCB, with HSC435A with High Vis indicators	2	32	10
MCB3	Mains box - three phase	0	40	6
MCB3/4HA	Mains box - three phase MCB, with HSC435A	4	40	6
MCB3/4HAE	Mains box - three phase MCB, with HSC435A with High Vis indicators	4	40	6



■ MCB Mounting Brackets

Mounting brackets compatible with Sicame Mains connection connection range

Product Number	Description
MCB1PBS-MK	Single phase mains connection box with pole mounting bracket. Hardware included
MCB3PBS-MK	Three phase mains connection box with pole mounting bracket. Hardware included



LVABC Service Fitting Connectors

■ CAW Series - Bare AL Mains to Service Connectors

Single Bolt

The CAW series of connectors have been specially designed to provide a waterproof connection between insulated overhead services to a variety of bare aluminium overhead mains. Both single and double tap models are available along with a two bolt mains and service tap for neutral connections.

Double Bolt

The two bolt CAW is specifically designed for the neutral connection where two bolts or clamping plates contact the conductor ensuring a positive dual connection.

Installation Notes

Use only a 13mm AF, six-point hexagon socket to tighten bolts.

All other connections made on the service and consumers cable must also be waterproof to prevent moisture ingress through the cable into the connector.

Features

Products on this page are unsuitable for multi-stranded flexible cables.

- Positive clamping of mains with the use of shear head technology
- Insulated service connection made with the use of insulation piercing technology, no need to strip service conductor insulation
- Easy and simple to use
- Supplied with service conductor viewing window to show fully inserted or can be supplied black with no window
- Can be supplied as single or twin service connection
- Translucent viewing window for visual check to ensure the conductor is fully inserted right up to the window
- Disconnection of service by easy removal of the connector from the mains
- Complies with relevant sections of AS/NZS 4396:1999.



CAW35

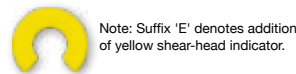


CAW235



CAW35DBE

Product Number	Conductor Type	Mains Range				Service Tap			Pack Qty	Viewing Window
		Stranding	Area (mm²)	OD (mm)	No. of bolts per contact	Range (mm²)	No. of Service Connections	No. of bolts per contact		
CAW35	Aluminium	7/1.75 to 19/3.75	16 to 210	5 to 19	1	6 to 35	1	1	12	Yes
CAW235	Aluminium	1/1.75 to 19/3.75	16 to 210	5 to 19	1	6 to 35	2	1	12	Yes
CAW35BK	Aluminium	7/1.75 to 19/3.75	16 to 210	5 to 19	1	6 to 35	1	1	12	No
CAW235BK	Aluminium	7/1.75 to 19/3.75	16 to 210	5 to 19	1	6 to 35	2	1	12	No
CAW35DB	Aluminium	7/1.00 to 19/3.75	16 to 210	5 to 19	2	6 to 35	1	2	6	Yes



LVABC Service Fitting Connectors

■ CCW Series - Bare CU to Service Connectors

The CCW series of connectors have been specially designed to provide a waterproof connection between insulated overhead services to a variety of bare copper overhead mains. Both single and double tap models are available along with a two bolt mains and service tap for neutral connections.

Double Bolt

The two bolt CCW is specifically designed for the neutral connection where two bolts or clamping plates contact the conductor ensuring a positive dual connection.

Installation Notes

Use only a 13mm AF, six-point hexagon socket to tighten bolts.

All other connections made on the service and consumers cable must also be waterproof to prevent moisture ingress through the cable into the connector.

Features

Products on this page are unsuitable for multi-stranded flexible cables.

- Positive clamping of mains with the use of shear head technology
- Insulated service connection made with the use of insulation piercing technology, no need to strip service conductor insulation
- Easy and simple to use
- Supplied with service conductor viewing window to show fully inserted or can be supplied black with no window
- Can be supplied as single or twin service connection
- Translucent viewing window for visual check to ensure the conductor is fully inserted right up to the window
- Disconnection of service by easy removal of the connector from the mains
- Complies with relevant sections of AS/NZS 4396:1999.



CCW35

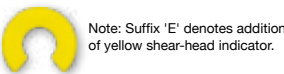


CCW235



CCW35DBE

Product Number	Conductor Type	Mains Range				Service Tap			Pack Qty	Viewing Window
		Stranding	Area (mm²)	OD (mm)	No. of bolts per contact	Range (mm²)	No. of Service Connections	No. of bolts per contact		
CCW35	Copper	7/1.00 to 19/3.00	5.5 to 135	3 to 15	1	6 to 35	1	1	12	Yes
CCW235	Copper	1/1.00 to 19/3.00	5.5 to 135	3 to 15	1	6 to 35	2	1	12	Yes
CCW35BK	Copper	7/1.00 to 19/3.00	5.5 to 135	3 to 15	1	6 to 35	1	1	12	No
CCW235BK	Copper	7/1.00 to 19/3.00	5.5 to 135	3 to 15	1	6 to 35	2	1	12	No
CCW35DB	Copper	7/1.00 to 19/3.00	5.5 to 135	3 to 15	2	6 to 35	1	2	6	Yes



LVABC Service Fitting Connectors

■ MSC Series - Multi Service Piercing Connectors

The MSC range consists of a standard 2 bolt IPC and multi-tap satellite connector, facilitating up to 4 x service tap connections.

Can be used for connection at multiple tap cables from a single mains connection point.

Reduces poletop clutter of phase or neutral service connections. Can be fitted with Red, White or Blue phase identification plates, or black for the neutral.

Features

- Suitable for use on LVABC, bare aluminium or copper overhead mains.
- Parallel cable joint seals.
- Superior two stage cable joining caps. Seals on minimum and maximum sizes cables ensuring longevity of connection
- Top mounted shear heads providing same insulation orientation.
- Inserted tin plated brass teeth (service connection) provide a bimetallic connection for both copper and aluminium service conductors
- Optional high visibility yellow shear head clips to indicate shear head nuts have been properly operated. Can be seen from the ground if shear-head not operated.
- The connectors are available with Red, White and Blue phase plates in addition to the standard Black to facilitate easier phase identification and load balancing
- Re-sealeable test point on underside of connector

Products on this page are unsuitable for multi-stranded flexible cables.



MSC/50150X*Blue



MSC/50150X*Red



MSC/50150X*White



Note: Suffix 'E' denotes addition of yellow shear-head indicator.



RPS13/17-6H or RPS13/17-6SH



LVABC Service Fitting Connectors

■ MSC Series cont.

Product Number	Description	Mains Cable Type	Mains Cable Range (mm²)	Service Cable Range (mm²)	Pack Size
MSCA/50150X*	Connector - Multi-service bare AL mains 50-150 sqmm black body	Bare Aluminium	50 to 150	4 x 6-35	10
MSCA/50150X*Blue	Connector - Multi-service bare AL mains 50-150sqmm black body with blue face plate	Bare Aluminium	50 to 150	4 x 6-35	10
MSCA/50150X*Red	Connector - Multi-service bare AL mains 50-150sqmm black body with red face plate	Bare Aluminium	50 to 150	4 x 6-35	10
MSCA/50150X*White	Connector - Multi-service bare AL mains 50-150sqmm white body	Bare Aluminium	50 to 150	4 x 6-35	10
MSCC/50150X*	Connector - Multi-service bare CU mains 50-150sqmm black body	Bare Copper	50 to 150	4 x 6-35	10
MSCC/50150X*Blue	Connector - Multi-service bare CU mains 50-150sqmm black body with blue face plate	Bare Copper	50 to 150	4 x 6-35	10
MSCC/50150X*Red	Connector - Multi-service bare CU mains 50-150sqmm black body with red face plate	Bare Copper	50 to 150	4 x 6-35	10
MSCC/50150X*White	Connector - Multi-service CU mains 50-150sqmm white body	Bare Copper	50 to 150	4 x 6-35	10
MSCC/795X*	Connector - Multi-service CU mains 7-95sqmm black	Bare Copper	7 to 95	4 x 6-35	10
MSCC/795X*Blue	Connector - Multi-service CU mains 7-95sqmm black with blue face plate	Bare Copper	7 to 95	4 x 6-35	10
MSCC/795X*Red	Connector - Multi-service CU mains 7-95sqmm black with red face plate	Bare Copper	7 to 95	4 x 6-35	10
MSCC/795X*White	Connector - Multi-service CU mains 7-95sqmm black with white face plate	Bare Copper	7 to 95	4 x 6-35	10
MSCI/3595X*	Connector - Multi-service LV ABC mains 35-95sqmm black body	Insulated	35 to 95	4 x 6-35	10
MSCI/3595X*Blue	Connector - Multi-service LV ABC mains 35-95sqmm black body with blue plate	Insulated	35 to 95	4 x 6-35	10
MSCI/3595X*Red	Connector - Multi-service LV ABC mains 35-95sqmm black body with red plate	Insulated	35 to 95	4 x 6-35	10
MSCI/3595X*White	Connector - Multi-service LV ABC mains 35-95sqmm black body with white plate	Insulated	35 to 95	4 x 6-35	10
MSCI/50150X	Connector - Multi-service LV ABC mains 35-95sqmm black body	Insulated	50 to 150	4 x 6-35	10
MSCI/50150X*Blue	Connector - Multi-service LV ABC mains 35-95sqmm black body with blue plate	Insulated	50 to 150	4 x 6-35	10
MSCI/50150X*Red	Connector - Mains-service LV ABC mains 35-95sqmm black body with red plate	Insulated	50 to 150	4 x 6-35	10
MSCI/50150X*White	Connector - Multi-service LV ABC mains 35-95sqmm black body with white plate	Insulated	50 to 150	4 x 6-35	10



Note: Suffix 'E' denotes addition of yellow shear-head indicator.

LVABC Service Fitting Connectors

■ ILC Series - In-Line Connectors

The ILC was developed to provide a quick and easy method of connecting insulated cables, without the need for specialist tooling e.g. hydraulic tools. A general-purpose in-line connector for both aluminium and copper insulated cables in the range 6-95mm².

If used on double insulated cable the outer sheath must be stripped off. All other connection points must be sealed.

The product is UV stabilised, made from robust thermo plastic elastomer TPE, it can be used individually or housed in a ILC mains box, see MCB3/4 ILC for added protection.

Ideal for industrial application or temporary installations which need a fully insulated connection point. The ILC is a non-tension fitting.

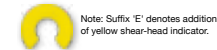
Features

- Range taking
- Piercing connector both sides
- Employs proven shear head technology
- Fully waterproof
- Complies with relevant section AS/NZS 4396
- Fully insulated, no exposed parts
- No crimp tools required
- Fits MCB3/4ILC mains box
- IP67 Rated

ILC635 is not suitable for use in standard mains connection boxes, only the industrial mains connection box.

Products on this page are unsuitable for multi-stranded flexible cables.

Product Number	Cable Range (sqmm)	Bolt Head AF (mm)	Pack Size
ILC635	6-35	19	10
ILC695	6-95	19	10
ILC3595	35-95	19	10



ILC695E



ILC635E

RECOMMENDED TOOL
RPS13/17-6H or RPS13/17-6SH



LVABC Service Fitting Connectors

■ Industrial Mains Box

The 3 phase industrial mains box was developed to accept the ILC range of connectors to provide additional weather and mechanical protection at the point of attachment for industrial services.

There is no need to strip or use specialist tools like hand or hydraulic compression tools.

Features

- Fully insulated and waterproof connection system
- Designed to house the ILC connectors
- Fully UV stabilised
- Protects connectors from accidental damage or contact
- Ideal for connecting commercial and industrial 200amp services
- Rear entry of consumer mains cable
- Protects consumer mains cables from UV
- Supplied complete with 4 x ILC connectors.

Dimensions of MCBILC range are larger than standard MCB range.

ILC635 is not suitable for use in mains connection boxes.

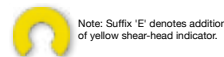
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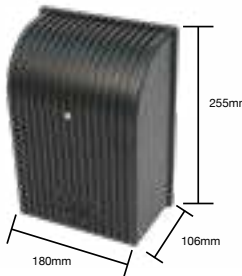
MCB3/4ILCE-3595



Product Number	Description	Cable Size (mm²)	Number ILC included	Pack Size
MCB1/2ILC	Mains box - industrial + 2 x ILC695	6 to 95	2	1
MCB1/2ILC-3595	Mains box - industrial + 2 x ILC3595	35-95	2	1
MCB3/4ILC	Mains box - industrial + 4 x ILC695	6 to 95	4	1
MCB3/4ILC-3595	Mains box - industrial + 4 x ILC 3595	35-95	4	1



MCB3/4ILCE-3595 Dimensions



LVABC Service Fitting Connectors

■ TTD Series - Insulated Piercing Connectors

For connecting Insulated Mains to Insulated Mains or Insulated Services.

The Sicame TTD range of insulation piercing connectors (IPCs) provide a fast, convenient and reliable method of connecting overhead low voltage mains to services or other mains. All common types of conductors can be interconnected, including insulated aluminium or copper. The connectors have been tested to IEC and European standards, and are approved for use by Australian power distribution utilities (consult for further details).

The Sicame TTD range has a long proven track record in the harsh Australian climatic conditions.

Application

Mains cable: Insulated copper or aluminium

Tap cable: Insulated copper or aluminium

Not suitable for multi stranded flexible cable or neutral screened cable.

Installation Notes

When using 2 bolt connectors, each bolt must be tightened a 1/4 to 1/2 turn alternately, until the shear head operates. For tightening the shear head bolts, use only a 13mm AF, six-sided hexagon socket

RECOMMENDED TOOL
RPS13/17-6H or RPS13/17-6SH



For double insulated cables, the outer sheath should be removed before applying the connector. Please note: The products on this page can be ordered with high visibility shear-off identification tags. To order add the suffix E to the end of the part number.

Products on this pages are unsuitable for multi-stranded flexible cables.

Features

- Provides a fully sealed, waterproof connection
- No need to strip cable to make the connection
- Simultaneous piercing on main and tap
- Torque controlling shear heads on all bolts
- Tightening bolts do not come into contact with live components
- Captive end cap for protection of tap cable, which can be mounted on either side. Endcap has duel sealing method
- Fully bimetallic
- Stainless steel fasteners.



TTD151XFA



TTD301XFA

Product Number	Mains Cable mm ²	Branch Cable (mm ²)	No. of Bolts	Bolt Size	Shear Head AF Size mm	Shear Head AF Size mm
TTD051XFA	16 to 95	1.5 to 10	1	M8	13	12
TTD101XFA	6 to 54	6 to 35	1	M8	13	12
TTD151XFA	16 to 95	6 to 35	1	M8	13	12
TTD201XFA	25 to 95	25 to 95	1	M8	13	12
TTD241XFA	16 to 150	6 to 35	1	M8	13	12
TTD271XFA	25 to 150	25 to 120	1	M8	13	8
TTD301XFA	25 to 95	25 to 95	2	M8	13	8
TTD351XFA	25 to 150	25 to 95	2	M8	13	8
TTD401XFA	50 to 185	50 to 150	2	M8	13	4
TTD431XFA	70 to 240	16 to 95	2	M10	17	4
TTD451XFA	95 to 240	95 to 240	2	M10	17	4
TTD551FJA	120 to 400	95 to 240	2	M10	17	4

Note: Suffix 'E' denotes addition of yellow shear-head indicator.

LVABC Service Fitting Connectors

■ Neutral Bonding Kit

The TTD neutral bonding kit is a simple and easily installed connection system which will bond the neutral service conductor to a metallic structure.

Refer to table below for standard lead lengths and lug sizes available.

Products on this page are unsuitable for multi-stranded flexible cables.



TTD101NBKXE

Product Number	Service Mains Tap Range (mm ²)	Insulated XLPE Copper Earth Tail Length (mm)	Cable Size	Lug Hole Size (mm)	Shear Head AF	Pack Size
TTD101NBKX	6-54	800	16mm ²	10	13	10
TTD101NBKXR*	6-54	800	16mm ²	10	13	10
TTD101NBKX/12	6-54	500	16mm ²	12	13	10

*denotes ribbed cable for neutral



Note: Suffix 'E' denotes addition of yellow shear-head indicator.

RECOMMENDED TOOL
RPS13/17-6H or RPS13/17-6SH



LVABC Service Fitting Connectors

■ NTD Series - Bare Mains to Insulated Service Cable Connectors

The Sicame NTD range of insulation piercing connectors provide a fast, easy and reliable method of connecting insulated aluminium or copper cables, to bare overhead aluminium or copper mains.

Application

Mains: Bare copper or aluminium

Tap: Insulated copper or aluminium

Testing Specification

To IEC and European standards

Installation Notes

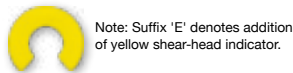
When using 2 bolt connectors, each bolt must be tightened a 1/4 to 1/2 turn alternately, until the shear head operates.

For double insulated cables, the outer sheath should be removed before applying the connector.

Features

- Provides a fully sealed, waterproof connection on the tap side
- No need to strip the tap conductor
- Simultaneous piercing on both sides
- Torque controlling shear heads on all bolts
- Tightening bolts do not come into contact with live components
- Captive end cap for protection of tap cable, which can be mounted on either side
- Bimetallic on **branch** side
- Stainless steel fasteners.

Products on this page are unsuitable for multi-stranded flexible cables.



NTD101F



NTD301XFA



NTD351AXFA

LVABC Service Fitting Connectors

■ NTD Series - Bare Mains to Insulated Service Cable Connectors cont.

Product Number	Type	Bare Mains Cable (mm ²)	Diameter (mm)	Insulated Tap Cable (mm ²)	No. of Bolts	Bolt Size	Pack Size
Bare Conductor Copper							
NTD101F*	CU	6 to 70	3.0 to 10.5	2.5 to 35	1	M8	12
NTD301XFA	CU	7 to 95	3.0 to 12.5	25 to 95	2	M8	10
NTD351XFA	CU	50 to 150	9.0 to 15.7	25 to 95	2	M8	10
NTD401XFA	CU	50 to 150	9.0 to 15.7	50 to 150	2	M8	4
Bare Conductor Aluminium							
NTD101AF*	AL	6 to 54	3.0 to 9.5	2.5 to 35	1	M8	12
NTD301AXFA	AL	7 to 95	3.0 to 12.5	25 to 95	2	M8	10
NTD351AXFA	AL	50 to 150	9.5 to 15.8	25 to 95	2	M8	10
NTD401AXFA	AL	50 to 150	9.5 to 15.8	50 to 150	2	M8	4
NTD431AXFA	AL	95 to 240	12.5 to 19.6	35 to 95	2	M10	4
NTD451AXFA	AL	95 to 240	12.5 to 19.6	95 to 150	2	M10	4

* Denotes galvanised fasteners

** NTD101F & NTD101AF can be substituted with the local manufactured (utility approved) CAW & CCW range. Refer to page 8 & 9



Note: Suffix 'E' denotes addition of yellow shear-head indicator.



RPS13/17-6H or RPS13/17-6SH



Products on this page are unsuitable for multi-stranded flexible cables.

MV Connectors

■ TTDC and NTDC Series - Connectors for Covered Conductor Thick (CCT)

Application

IPC for branch connections on covered overhead networks.

Conductor Types

Covered AAC and AAAC conductor with insulation thicknesses in the range 2.8mm to 5.5mm.

- TTDC range - CCT to CCT
- NTDC range - Bare conductor to CCT.

Installation Notes

When using 2 bolt connectors from this range, each bolt must be tightened a 1/4 to 1/2 turn alternately, until the shear head operates. For tightening the shear head bolts, use only a six-sided socket.

Please note: The products on this page can be ordered with RED high visibility shear-off identification tags. To order the products with these identification tags please add the suffix ER to the end of the product number when ordering.

Features

- Provides a fully sealed, waterproof connection
- No need to strip cable to make the connection
- Simultaneous piercing on main and tap
- Torque controlling shear heads on all bolts
- Tightening bolts do not come into contact with live components
- Captive end cap for protection of tap cable, which can be mounted on either side
- Marked with coloured label, identifying conductor size and kV
- Red high visibility shear-off identification tags to identify it is a high voltage IPC connector. Can be seen from the ground.

Products on this page are unsuitable for multi-stranded flexible cables.



TTDC 45501 FA



NTDC 45501 FA



TYPICAL APPLICATION



NTDC 45401 FA CCT ER

LV to 11kV Suit CCT Conductor

Insulated CCT to CCT or Insulated						
Product Number	Colour Code	Conductor Range Main	Conductor Range Tap	Insulation Thickness	Max Dia Ø Main	Max Dia Ø Tap
TTDC45401FA	Pink	50-120	50-120	2.8-4.5	22.8	22.8
TTDC45401FA-CCT	Pink	80-120	80-120	2.8-4.5	22.8	22.8
TTDC45401FA-CCTR	Pink	40-180	95 XLPE	2.8-4.5	22.8	22.8
TTDC45401FA-CCTER	Pink	40-120	40-120	2.8-4.5	22.8	22.8
TTDC45501FA	Pink	95-240	95-185	2.8-4.5	29	26.3
TTDC45501FA-CCT	Pink	120-180	120-180			
TTDC45531FA	Pink	95-300	35-95	2.8-4.5	31.1	21.3
TTDC45531FA-CCT	Pink	120-180	40-80			

MV Connectors

■ TTDC Series and NTDC Series cont.

Bare Conductor to CCT or Insulated						
Product Number	Colour Code	Conductor Range Main	Conductor Range Tap	Insulation Thickness	Max Dia Ø Main	Max Dia Ø Tap
NTDC45401AFA	Pink	7/3.00 to 19/3.25 AL 50 to 150	50-120	2.8-4.5	n/a	22.8
NTDC45401AFA-CCT	Pink	50-150	40-120			
NTDC45401FA	Pink	19/1.75 to 19/3.00 CU 50-150	50-120	2.8-4.5	n/a	22.8
NTDC45401FA-CCT	Pink	50-150	40-120			
NTDC4551AFA	Pink	7/4.5 to 19/3.75 AL 95-240	95-185			
NTDC45501AFA-CCT	Pink	7/4.50 to 19/3.75 95-240	120-180	2.8-4.5	n/a	26.3
NTDC45501FA	Pink	37/1.75 to 37/2.75 CU95-240	95-185	2.8-4.5	n/a	26.3
NTDC45501FA-CCT	Pink	95-240	120-180			



■ LV / MV - TTDC Series and NTDC Series cont.

LV to 11kV Insulated Conductor to Insulated Tap						
Product Number	Colour Code	Conductor Range Main	Conductor Range Tap	Insulation Thickness	Max Dia Ø Main	Max Dia Ø Tap
TTDC28401FA	Purple	50-120	50-120	1.5-3	19.9	19.9
TTDC45401FA	Pink	50-120	50-120	2.8-4.5	22.8	22.8
TTDC45501FA	Pink	95-240	95-185	2.8-4.5	29	26.3
TTDC45521FA	Pink	95-240	16-35	2.8-4.5	29	15.8
TTDC45531FA	Pink	95-300	35-95	2.8-4.5	31.1	21.3

TTDC 15kV & Above						
Product Number	Colour Code	Conductor Range Main	Conductor Range Tap	Insulation Thickness	Max Dia Ø Main	Max Dia Ø Tap
TTDCAT45401FA	Red	50-120	50-120	2.8-4.5	22.8	22.8
TTDCAT45501FA	Red	95-240	95-185	2.8-4.5	29	26.3
TTDCAT45531FA	Red	95-300	35-95	2.8-4.5	31.1	21.3
TTDCAT50501FPD	Orange	99-241	99-241	4-5.5	31.1	31.1

Products on this page are unsuitable for multi-stranded flexible cables.

LVABC Fitting Connectors

EPC Series - Temporary Earth Point Connector

Application
Temporary connection from LVABC - temporary bonding, earthing, generation point.

- Features**
- Provides a fully sealed, waterproof connection
 - No need to strip cable to make the connection
 - Torque controlling shear heads on all bolts
 - Tightening bolts do not come into contact with live components
 - Stainless steel fasteners.



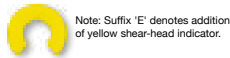
Product Number	Type	Mains Cable Range	Bonding Bolt Size	Pack Size
EPC1-401	Earthing / temporary connector point with screw on cap	50 to 150mm ²	M12	10
EPC1-401-TC	Earthing/temporary connector point with rubber cap with lanyard no hardware	50 to 150mm ²	M12	10
EPC1-401-B150	Earthing / temporary connector point with hardware 150mm bolt suit Sicame earthing clamp	50 to 150mm ²	M12	10

Products on this page are unsuitable for multi-stranded flexible cables.

Water Blocking Connector

Application
In-line connector with solid barrier to prevent migration of moisture from old water laden cables into new connections fittings. Also suitable for transitionjointing of dissimilar sized cables.

- Features**
- Provides a fully sealed, waterproof connection
 - Torque controlling shear heads on all bolts
 - In-line transition joint
 - Factory fitted cable tail
 - Comes complete with a test point.



Product Number	Cable Range mm ²
WBC125	1.5-25mm
WBC125E	1.5-25mm

Testing Specification

AS/NZS 4396
Insulation piercing for 0.6/1kV aerial bundles cables.

Termination and Suspension Clamps

SC Series - Suspension Clamps

For suspension of overhead insulated mains and sub-mains. All aluminium and stainless steel construction, suitable for use in corrosive coastal environments.

Application
Suspension of LVABC from 25mm² to 150mm².

- Features**
- Suitable for angles up to 30°
 - 30° to 60° when used in tandem with PSY/H bracket
 - Hinged aluminium alloy with body & stainless steel hinge and fastener
 - Stainless steel eyelet to prevent wear from vibrations
 - Large angle yokes available.



SC495



SC495 SPACER



Product Number	Diameter of circumscribing circle over laid-up cable cores (mm)	Cable Size (mm)			Pack Size
		2 Core	3 Core	4 Core	
SC435	22 to 27	50	30, 50	25, 35	20
SC450	27 to 30	-	-	50	20
SC470	30 to 33	95	-	70	20
SC495	37 to 40	-	-	95	20
SC4150	43 to 47	-	-	150	20
SC495 SPACER	37 to 40	-	-	95	10

Termination and Suspension Clamps

■ PC & PA Series - Service Strain Clamps

For termination of insulated overhead service mains at either pole or house end.

Wedge action ensures clamping force as span tension increases. Provides a reliable service termination with mechanical rating for various applications.

Features

- PA series for high tension applications
- PC series for lower service tensions
- The PC series are suitable for 2, 3 and 4 core twisted bundle (use blanking conductor for unused grooves)
- Solid stainless steel bail on PC series and stainless steel flexible strand on the PA
- Body and wedges made from UV stabilised nylon
- No loose components to fall to ground
- Accepts any line angle as clamp follows conductor direction.



Product Number	Description	Cable Size & Configuration (mm²)	Max Failing Load (kN)	Pack Size
PC63F27	For LVABC XLPE insulated suitable for 2, 3, 4 core bundle, twisted or flat (use blanking for non used cores). Stainless steel bail	2 x 6 to 4 x 35	2.5	100
PC63F27A	For LVABC XLPE insulated suitable for 2, 3, 4 core bundle, twisted or flat (use blanking for non used cores). Stainless steel bail with retaining clip and wear sleeve	2 x 6 to 4 x 35	2.5	100
PC63F27B	For LVABC XLPE insulated suitable for 2, 3, 4 core bundle, twisted or flat (use blanking for non used cores). Stainless steel bail with retaining clip	2 x 6 to 4 x 35	2.5	100
PC63R22	For insulated neutral screened conductor	14-22 single conductor	2.5	10
PA4	Suitable for all twin insulated conductor either twisted or flat, suitable for longer spans or high wind areas	2 x 6 to 2 x 25	6	10
PA5	Suitable for all twin insulated conductor either twisted or flat, suitable for longer spans or high wind areas or major crossings	2 x 25 to 2 x 50	14	10
PA5D	Suitable for all twin insulated conductor either twisted or flat, suitable for longer spans or high wind areas or major crossings	2 x 16 to 4 x 25	12	10
PA2535	Strain clamp with aluminium arm - to suit 2 x 25 to 4 x 35 LVABC XLPE 2, 3 & 4 core (use blanking for non used cores). Designed for long spans over roads, dams, driveways, rail or high wind areas	2 x 25 to 4 x 35	11	1

If a conductor range or style is not shown, please contact Sicame Australia sales@sicame.com.au or +61 7 3807 7022 or +61 2 9621 3155

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Termination and Suspension Clamps

■ PA Series - Strain Clamps

Application

For termination of insulated overhead bundled cables. Broad cable range from 4 x 25 to 4 x 150.

Spring loaded wedges for easier cable insertion.

Installation Note

Use fillers if only 2 or 3 cores are utilised.

Features

- Bolted full tension clamp
- Meets requirements of AS 3766
- Removable pin for easy installation
- Range taking



Product Number	Description	Cable Size & Configuration (mm²)	Max Failing Load (kN)	Pack Size
PA2535	Strain clamp with aluminium arm - to suit 2 x 25, 4 x 35. For long span of service cable over dams, roads and other applications where additional holding capacity is required	2, 3 or 4 core XLPE insulated 25 to 35	11	1
PA10/1	Strain clamp with aluminium arm - to suit 4 x 25, 4 x 50 with humpback splitpin	2, 3 & 4 core XLPE insulated 25 to 50	35.75	6
PA10/1S	Strain clamp with aluminium arm - to suit 4 x 25, 4 x 50 with S/S hardware + humpback splitpin	2, 3 & 4 core XLPE insulated 25 to 50	35.75	6
PA11/1	Strain clamp with aluminium arm - to suit 4 x 50, 4 x 95 with humpback splitpin	2, 3 & 4 core XLPE insulated 50 to 95	44	6
PA11/1S	Strain clamp with aluminium arm - to suit 4 x 50, 4 x 95 with S/S hardware + humpback splitpin	2, 3 & 4 core XLPE insulated 50 to 95	44	6
PA11/1SR	Strain clamp with aluminium arm - to suit 4 x 50, 4 x 95 with S/S hardware bolts enter from opposing sides with SS "R" clip	2, 3 & 4 core XLPE insulated 50 to 95	44	6
PA11/1SRER	Strain clamp with aluminium arm - to suit 4 x 50, 4 x 95 with S/S hardware bolts enter from opposing sides with SS "R" clip	2, 3 or 4 core XLPE insulated 50 to 95	44	6
PA122A	Strain clamp with galvanised steel arm - to suit 4 x 95 to 150 sqmm with S/S hardware bolts	2, 3 or 4 core XLPE insulated 95 to 150	54	4

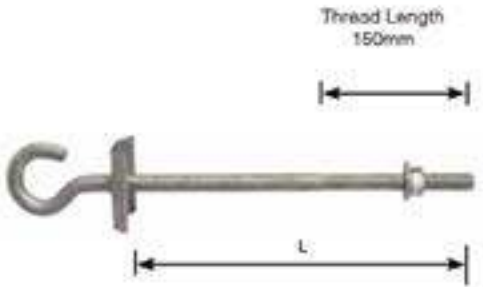
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Hardware - Galvanised Steel

Open Eye Bolts to AS3766

Length 'L' (mm)	Product Number		Pack Size
	16mm Dia. 'D'	20mm Dia. 'D'	
250	OEB16X250*	OEB20X250*	15
325	OEB16X325		15
350	OEB16X350*	OEB20X350*	15

*Preferred item in AS3766



J Hook

- M12 to AS3766.



Product Number	Pack Size
J Hook	50

J Hook with Earth Tag

- J Hook with earth tag
- M12 to AS3766.



Product Number	Pack Size	Tag Hole Size
J Hook-T	50	11mm

Closed Eye J Hook with Earth Tag

- Closed eye J Hook with earth tag
- M12 to AS3766.



Product Number	Pack Size	Tag hole Size
SH-T	50	11mm

Q Hook

- M12 to AS3766.



Product Number	Pack Size
Q Hook	50

LVABC Hook

- Galvanised steel hook bracket
- Hook diameter: 16mm
- To AS3766.

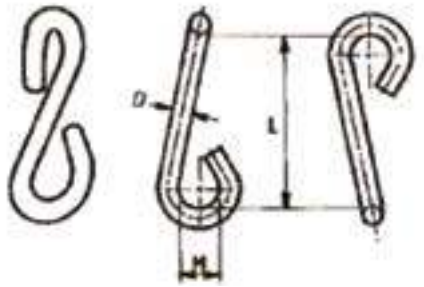


Product Number	Max. Working Load	Hook Diameter (mm)
HB1	12kN	16

Hardware - Galvanised Steel

ABC Mechanical Weak Link

- Can be installed between suspension clamp and pole support fitting
- Can be installed between service cable strain clamps or mains cable strain clamps
- Mild steel galvanised to AS1650.



Product Number Colour Coded	Nominal Falling Load (kN)	Nominal Dimensions		
LFG150	1.5	6	64	27
LFG400T	4	10	70	20
LFG600T	6	10	65	20
LFG800T	8	12	70	20

M12 Eye Nut

- M12 eye nut to Energy Australia specifications.

Product Number
OEN M12



M12 Extended Eye Nut

- M12 extended eye nut to Energy Australia specifications.

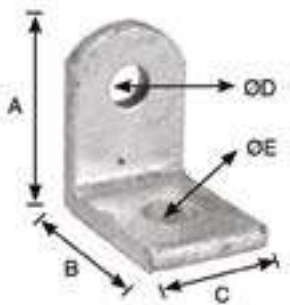
Product Number
OEN M12 E



Angle Bracket

- To Ausgrid specifications.

Product Number	Dimensions (mm)				
	A	B	C	ØD	ØE
ANG BKT	76.5	74.5	50	17.5	21.5



Mecha Splice

■ Mechanical Tension Repair Splice

Application

Provides an alternative method for mid-span jointing to overcome common installation issues involved with other types of joints.

Suitable for low and medium voltage - AAC, AAAC, and ACSR distribution conductors.

Features and Benefits

- Range taking, only 4 sizes to cover 6-25mm OD
- Mechanical shearhead bolts for optimum torque control
- Eliminate compatibility problems matching cable, dies and tooling
- Suitable for joining dissimilar conductors of different diameters (withing each range)
- Faster application on ACSR, no need for separate joining of inner cores
- Viewing and drainage holes for self-cleaning
- No special tooling required, only an impact driver
- Tested to AS/NZS 1154-1, ANSI C 119-1, IEC 6128-4.
- EHT versions available for ACSR
- Suitable for slack span applications



Patented wave deformation technology



Watch our Mecha-Splice video on youtube



Mecha Splice

■ Mechanical Tension Repair Splice cont.

Product Number	Conductor Range	Cable Range	Pack Size	Configuration	Rating	Current Rating
MTRS06-11	6 to 11.3mm	6mm - 11.3mm dia. AAC/AAAC/ACSR 6/1 galv clad steel	10 Carton 100 Layer 500 Pallet	2 x 4 shear bolts 55/75 Nm	23 kN	420 A
MTRS06-11-EHT	6 to 11.3mm	7.5mm ACSR RAISIN Suit AAC/AAAC/ACSR in Range 6-11mmØ	10 Carton 100 Layer 500 Pallet	2 x 6 shear bolts 55/75 Nm	25 kN	420 A
MTRS10-14	10 to 14.3mm	10mm - 14.3mm dia. AAC/AAAC/ACSR 6/1 galv clad steel	6 Carton 60 Layer 300 Pallet	2 x 5 shear bolts 60/80 Nm	31 kN	570 A
MTRS10-14-EHT	10 to 14.3mm	14.3mm ACSR CHERRY Suit AAC/AAAC/ACSR in Range 10-14mmØ	6 Carton 60 Layer 300 Pallet	2 x 7 shear bolts 60/80 Nm	34 kN	570 A
MTRS11-18	11 to 18.8mm	11mm - 18.8mm dia. AAC/AAAC/ACSR 6/1 galv clad steel Limited Tension 55 kN	6 Carton 60 Layer 300 Pallet	2 x 5 shear bolts 90/110 Nm	44.4 kN Limited Tension	800 A
MTRS17-25	17 to 25mm	17mm - 25mm dia. AAC/AAAC/ACSR Limited Tension 44.4 kN	6 Carton 48 Layer 240 Pallet	2 x 5 shear bolts 90/110 Nm	44.4 kN Limited Tension	1100 A



Fuses and Fuse Switches

■ PFV Series - 100 Amp Service Fuse Disconnector

Application

For pole mounted fusing of overhead house service up to 100A.

Constructed with no corrosive materials to provide long in-service life in outdoor environments.

Lower fuse carrier accepts BS 58x22 round fuse elements and is fitted with high-visibility house number plates to avoid incorrect disconnection.

Features

- UV stabilised, impact resistant and flame retardent body
- Insulation piercing connectors on both line and load side
- Tested to AS/NZS 60269.2.1
- Top mounted stainless steel bracket M8 fixing bolt insulated from active components
- Underside cable entry to IPC connectors creating a natural drip loop
- Conductor seal fully encapsulates conductor end
- Utilises shear head technology
- Shear-head bolts located at end of fuse for easier installation
- UV stabilised bird guard over cable seals

- Completely waterproof bi-metallic connection
- Perforated body to provide cross-flow ventilation
- Range of brackets to suit various applications
- IP44
- Fuse is full vented to allow air circulation around fuse
- Standard pig tail stick to operate service fuse base
- Optional high-visibility house numbering system
- Fuse is fully vented.

Products on this page are unsuitable for multi-stranded flexible cables.



PFV100695

Product Number	Description	Cable Range	Pack Size
PFV100695	Fuse - Switch disconnect, 100A	6-95sqmm	20
PFV100695E	Fuse - Switch disconnect, 100A with high-visibility clips	6-95sqmm	20
PFV100695E IDP	Fuse - Switch disconnect, 100A with high-visibility clips and yellow house number identification plate	6-95sqmm	20
PFV100695E IDPW	Fuse - Switch disconnect, 100A with high-visibility clips and white house number identification plate	6-95sqmm	20
PFV100695E IDPB	Fuse - Switch disconnect, 100A with high-visibility clips and blue house number identification plate	6-95sqmm	20
PFV100KIT	Fuse - 100A, pole mount with PFVAB1 swan neck adaptor	6-95sqmm	12
PFV100695 WB	Fuse - Switch disconnect, 100A, 6-95sqmm to 1.5-25 water blocking connector pre-installed	6-95 1.5-25	20
PFV100695 WB KIT	Fuse - Switch disconnect, 100A, 6-95sqmm to 1.5-25 water blocking connector pre-installed with TTD101NBKX/12 neutral connection in kit	6-95 1.5-25	20

Note: Suffix 'E' denotes addition of yellow shear-head indicator.

Fuses and Fuse Switches

■ PFV Series - Accessories

There are several accessories available for the PFV100695, to facilitate various mounting applications. All are designed and developed to suit harsh environmental conditions.

High Visibility House Numbering System

- Multiple retrofit number plates available for existing PFV fuses in operation
- PFIDP, this is the fuse carrier base complete with ID plate.

Mounting Bracket Options

PFBKT1	PFBKT3	HFBKT1	HFBKT3	PFVAB1	PFB100Kit
1 phase pole mounting bracket	3 phase pole mounting bracket	1 phase facia mounting bracket	3 phase facia mounting bracket	1 phase facia plastic bracket	PFV100695 + 1 x 1 phase facia plastic bracket



PFBKT1



PFBKT3



HFBKT3



HFBKT1

Product Number	Description
PFBKT1	Bracket - Galvanised for single phase PF100 fuse
PFBKT3	Bracket - Galvanised for three phase PF100 fuse
PFBKT6	Bracket - Galvanised for six PFV100 fuses
HFBKT1	Bracket - PF100 single phase house mounting
HFBKT3	Bracket - PF100 fuse - 3 phase house mounting
PFVAB1	Bracket - PFV100 swan neck adaptor
NPPFV100695White	Spear number plate - White to suit PFV100695 E IDP
NPPFV100695Yellow	Spear number plate - Yellow to suit PFV100695 E IDP
NPPFV100695Blue	Spear number plate - Blue to suit PFV100695 E IDP
BS100	British standard 100 amp fuse - 22mm x 58mm cylindrical
BS080	British standard 80 amp fuse - 22mm x 58mm cylindrical



PFVAB1



BS100

Other fuse sizes available on request.

Fuses and Fuse Switches

■ APR Series - 160 Amp, 400 Amp & 600 Amp Fuses

Developed to work with NH fuses, the APR series of fuse switch disconnectors are available in 160, 400 and 630 amp versions. They are used for the protection and isolation of secondary lines of the networks; to protect transformer outputs, and to have protections when switching from aerial to underground networks.

Due to the several applications and protection uses of the APR switches; they are supplied not only with a huge range of characteristics included in the equipment, but also has several operational applications that allow increasing the APR versatility.

APR160

Able to work with currents of up to 160 amps, allows NH fuses size 00, can be operated with solid blades in switching operations with currents up to 250 amps.

APR400

Designed to work with currents of up to 400 amps, allows fuses type NH, in sizes 01 and 02. Can be operated also with solid blades with operating currents of up to 630 amps.

APR630

Suitable for use with current of up to 630 amps, allows fuses type NH, in sizes 01, 02 and 03. Can be operated also with solid blades as switches with operating currents of up to 800 amps.

Products on this page are unsuitable for multi-stranded flexible cables.



APR160



APR400



APR630

Fuses and Fuse Switches

■ APR Series cont.

Product Number	Amp Rating with Fuse	Amp Rating Switching Load Solid Link	Single Phase	Three Phase	Connection Type	Connection Configuration Supply	Connection Configuration Load (Customer)
APR160CYHX	160	250	Yes	No	Tunnel	Single	Double
APR33160CYHXN	160	250	No	Yes	Tunnel	Single	Double
APR33400DVKXAUS	400	630	No	Yes	Palm/Stud	Double	Double
APR630TPKAUS	630	800	Yes	No	Palm/Stud	Single	Single
APR33630TPKAUS	630	800	No	Yes	Palm/Stud	Single	Single

Product Number	With Seals	With Neon	Number System	Fuse in ID	Arching Chambers	With Bracket	Bolts for Bracket	Fuse Size Din
APR160CYHX	Yes	No	No	Yes	No	Yes	Galvanised	NH00
APR33160CYHXN	Yes	No	No	Yes	No	Yes	Galvanised	NH00
APR33400DVKXAUS	Cover	Yes	Yes	Yes	Yes	Yes	Stainless Steel	NH1 or 2
APR630TPKAUS	Cover	No	No	Yes	Yes	No	Stainless Steel	NH3

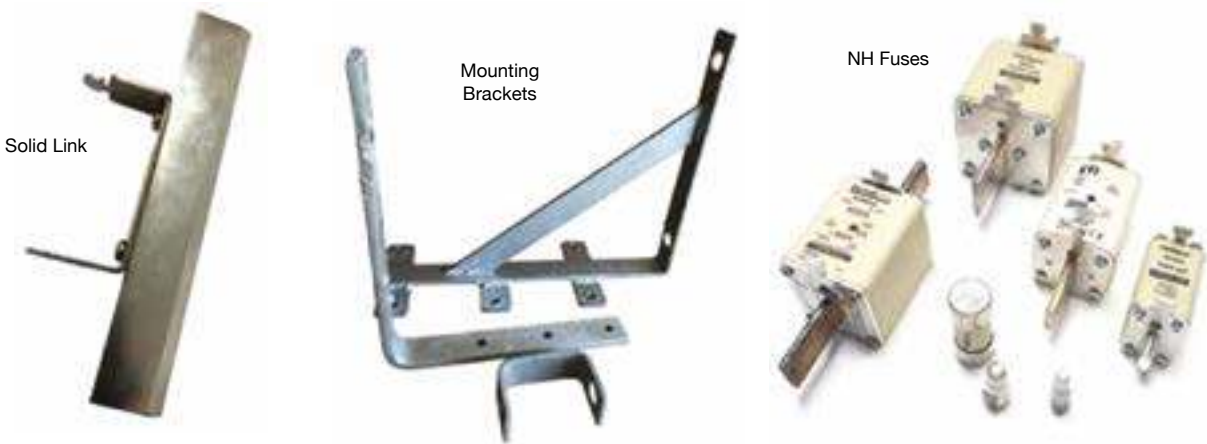
Fuses and Fuse Switches

■ APR Series - Accessories

Lugs for joining LVABC services and mains.

The accessories to suit the range of APR160, 400 and 600 amp fuse switches.

In the range are solid links fuses and brackets, other sizes of fuses are available on request.



Product Number	Description
APR160H	Bracket to suit single phase APR160
APR160HT	Pole bracket 3 phase suit 160amp 3 phase switch
APR400H	Brackeet to suit single phase APR400
APRS630H	Bracket to suit single phase APR630
APR630HT	Pole bracket 3 phase suit 630amp 3 phase switch
APRH160SIC	Solid link din size 00 max switch load 250a suit APR160 fuse switch
APRH400SIC	Blade - Solid link din 1-2 type H max switch load 630amp C/W stainless steel arms suit APR400
APRH630SIC	Blade - Solid link din 3 type H max switch load 800amp. Suit APR630
FC125NH00G	Fuse cartridge suit APR160 din size NH 00-125A
FC160NH00G	Fuse cartridge suit APR160 din size NH 00-160A
FC125NH1G	Fuse cartridge suit APR400 din size NH 1-125A
FC125NH2G	Fuse cartridge suit APR400 din size NH 2-125A
FC200NH1G	Fuse cartridge suit APR400 din size NH 1-200A
FC250NH1G	Fuse cartridge suit APR400 din size NH 1-250A
FC400NH2G	Fuse cartridge suit APR400 din size NH 2-200A
FC630NH3G	Fuse cartridge suit APR630 din size NH 3-630A

Fuses and Fuse Switches

■ DPAV Series - Fuse holders

The DPA fast connectors have been designed to rapidly connect consumers to the low voltage overhead distribution system, with branching ranging between 4 and 16mm² . The system is adjusted by means of a stainless steel contact spring, and its tinplated copper flat contacts ensure a safe and lasting connection. The unit is suited for use in all kinds of services to consumers, and is fitted with an IFC connection component. Apart from working as a connecting device, it can be used as a cutout device. In this case, the IFC component (connection) is replaced by the IFF component (insulation) so that the current cutout can be effected at a point of easy access to the Electricity Distribution Company and of difficult access to the consumer. The unit includes a strapping ring to prevent or detect tampering.

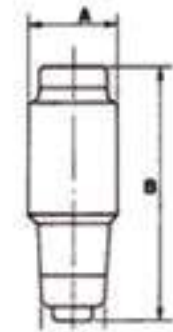


Product Number	Description	Conductor Size	Quantity Per Box
DPA	Insulated horizontal	4 - 16 mm ² Cu	50
DPA TAUS	Extended insulated horizontal	4 - 16 mm ² Cu	50
DPAV	Bare vertical	4 - 16 mm ² Cu	50
DPAV TAUS	Extended insulated vertical	4 - 16 mm ² Cu	50
DPAVT260-10	Extended insulated vertical with 260mm ² tail	4 - 16 mm ² Cu	50

■ IFN Fuse

These are a D01 or D02 IEC, VDE and UNE standard neozed fuse and are 400 volts AC rated with 100kA interrupting rating, suitable for the DPA fast connect fuse holder.

Size	Product Number	Description	Gauge Colour	Quantity Per Box
D01	IFN06	IFN neozed fuse unit 6amp	Green	50
	IFN10	IFN neozed fuse unit 10amp	Red	50
	IFN16	IFN neozed fuse unit 10amp	Grey	50
D02	IFN20	IFN neozed fuse unit 20amp	Blue	50
	IFN25	IFN neozed fuse unit 25amp	Yellow	50
	IFN35	IFN nezoed fuse unit 35amp	Black	50
	IFN50	IFN neozed fuse unit 50amp	White	50
	IFN63	IFN neozed fuse unit 63amp	Copper	50



Pre-Insulated Fittings

■ CPTAU Bi-metallic - Pre-Insulated Lugs

For joining LVABC services and mains.

A complete range of pre-insulated bi-metal and aluminium lugs for the termination of LVABC.

- Suits aluminium LVABC and other insulated compacted aluminium cables

- Round copper palm
- Suitable for connecting aluminium cables to copper terminals, switchgear, bus bars etc
- Friction welded copper palm to aluminium barrel.

		Lug Dimensions (mm)					
Product Number	Cable Size (mm ²)	Overall Length 'L' (mm)	Palm Hole Size	Outside Palm Diameter (mm)	Hex Die A/F (mm)	Die Width (mm)	Pack Size (pcs)
CPTAU16	16	87	M10	20	14	9	10
CPTAU25	25	87	M10	20	14	9	10
CPTAU25-17	25	92	M10	25	17	9	10
CPTAU25-12.5DIA	25	87	M12	20	14	9	10
CPTAU35	35	92	M12	25	17.3	9	10
CPTAU50	50	92	M12	25	17.3	9	10
CPTAU70-21	50	115	M12	25	21.5	9	10
CPTAU95	95	92	M12	25	17.3	9	10
CPTAU95-21	95	115	M12	30	21.5	9	10
CPTAU150	150	115	M12	30	21.5	9	10



■ CPTA Series Aluminium

- Suits aluminium LVABC and other insulated compacted aluminium cables
- Square aluminium palm

- Suitable for connecting aluminium cables to aluminium terminals switchgear, bus bars etc.

Products on this page are unsuitable for multi-stranded flexible cables.

		Lug Dimensions (mm)					
Product Number	Cable Size (mm ²)	Overall Length 'L' (mm)	Palm Hole Size	Palm WxD (mm)	Hex Die A/F (mm)	Die Width (mm)	Pack Size (pcs)
CPTA25	25	110	M12	32 x 33	14	9	10
CPTA35	35	110	M16	32 x 33	17.3	9	10
CPTA50	50	110	M16	32 x 33	17.3	9	10
CPTA95	95	110	M16	32 x 33	17.3	9	10
CPTA150	150	130	M16	37 x 37	21.5	9	10



Pre-Insulated Fittings

■ MJPB and MJPT series - Pre-Insulated Sleeves

Pre-insulated compression sleeves for joining LVABC services and mains.

MJPB Series

- Non-tension 4 to 35mm² range
- Suitable for copper or aluminium.

MJPT Series

- Limited and full tension 25 to 150mm² range
- Suitable for copper or aluminium.

Products on this page are unsuitable for multi-stranded flexible cables.

Product Number	Service Cable Size (mm ²)		Hex Die A/F (mm)	Pack Size
MJPB4	4	4	14	10
MJPB6-4	6	4	14	10
MJPB6	6	6	14	10
MJPB10-6	10	6	14	10
MJPB10	10	10	14	10
MJPB16-6	16	6	14	10
MJPB16-10	16	10	14	10
MJPB16	25	16	14	10
MJPB25-6	25	6	14	10
MJPB25-10	25	10	14	10
MJPB25-16	25	16	14	10
MJPB25	25	25	14	10
MJPB35-6	35	6	14	10
MJPB35-10	35	10	14	10
MJPB35-16	35	16	14	10
MJPB35-25	35	25	14	10
MJPB35	35	35	14	10

Crimp width: 9mm

Recommended tool for MJPT connectors:
Use any mechanical or hydraulic action crimp tool capable of accepting 9mm wide hexagonal crimp dies, with an across flats (AF) as specified in chart above. Minimum tonnage at die face recommended at 5 tonne.



MJPB



MJPT

Product Number	Service Cable Size (mm ²)		Hex Die A/F (mm)	Pack Size
MJPT25	25	25	17.3	10
MJPT35-25	35	25	17.3	10
MJPT35	35	35	17.3	10
MJPT50-25	50	25	17.3	10
MJPT50-35	50	35	17.3	10
MJPT50	50	50	17.3	10
MJPT70-35	70	35	17.3	10
MJPT70-50	70	50	17.3	10
MJPT70	70	70	17.3	10
MJPT95**	95	95	17.3	10
MJPT95-21	95	95	21.5	10
MJPT120	120	120	21.5	10
MJPT150**	120	150	21.5	10

**Limited tention fittings
When tested to AS3766, load achieved is:
MJPT95SF: 7kN, MJPT95-21SF: 16.8kN
All crimps 9mm in width A/F

Pre-Insulated Fittings

■ MJPB Series Pre-Crimped

Pre-insulated compression sleeves with pre-crimped, PVC insulated copper tails.

- Non-tension 4 to 25mm² range
- Suitable for copper or aluminium.

Product Number	Service Cable Size or Aluminium (mm²)	Pre-crimped PVC Insulated Copper Tail			Hex Die AF (mm)	Pack Size
		Size (mm)	Insulation Ribs	Minimum Length (mm)		
MJPB25-10+CABLE	25	10	None	225	14	20
MJPB25-10+(N)CABLE	25	10	1 rib for neutral identification	225	14	20
MJPB25-16+CABLE	25	16	None	225	14	20
MJPB25-26+(N)CABLE	25	16	1 rib for neutral identification	225	14	20
Crimp width: 9mm for all products						



■ Application Tooling

Pre-insulated compression sleeves with pre-crimped, PVC insulated copper tails.

- One-hand operation
- Specifically designed for MJPB series and other pre-insulated products
- Captive dies
- Non-hydraulic
- Hexagonal crimp AF: 14mm
- Hexagonal crimp width: 9mm
- Suitable for up to 25mm² compression.

Product Number
MP-10 SIMPI



Pre-Insulated Fittings

■ Pre-Crimped Sleeve & Tools

MEPCNA Series

- Pre-crimped with bare aluminium tail
- End cap on tail provided to prevent fraying
- Used for terminating LVABC onto aluminium switchgear terminals
- Used for connecting LVABC to open wire bare aluminium conductor.

Product Number	Cable Size (mm²)	Aluminium Tail Size (mm²)	Die A/F (mm)	Crimp Width (mm)	Pack Size
MEPCNA16	16	35	14	9	-
MEPCNA16-17	16	35	17.3	9	-
MEPCNA25	25	35	14	9	-
MEPCNA25-17	25	35	17.3	9	-
MEPCNA35	35	55	17.3	9	-
MEPCNA50	50	55	17.3	9	-
MEPCNA70	70	55	17.3	9	0
MEPCNA95*	95	75	17.3	9	100
MEPCNA150*	150	75	21.5	9	100
*750C current rating: 250A					



MEPCNA

MEPCNU Series

- Pre-crimped with bare copper tail
- End cap on tail provided to prevent fraying
- Used for terminating LVABC onto copper switchgear terminals
- Used for connecting LVABC to open wire bare copper conductor.

Product Number	Cable Size (mm²)	Aluminium Tail Size (mm²)	Die A/F (mm)	Crimp Width (mm)	Pack Size
MEPCNU16	16	35	14	9	-
MEPCNU16-17	16	35	17.3	9	-
MEPCNU25	25	35	14	9	-
MEPCNU25-17	25	35	17.3	9	-
MEPCNU35	35	55	17.3	9	-
MEPCNU50	50	55	17.3	9	100
MEPCNU70	70	55	17.3	9	-
MEPCNU95*	95	75	17.3	9	100
MEPCNU150**	150	75	21.5	9	50
*750C current rating: 250A / **750C current rating: 370A					



MEPCNU

Recommended tool for MEPCNU16, MEPCNA16, MEPCNU25, MEPCNA25: MP-10 SIMPI.
All other MEPCN series products: Any compression tool with min 5t output fitted with hexagonal compression dies as specified above.

Tools & Accessories

Stringing Tools

12870 Service Cable Come-Along

- Conductor type: LVABC
- 2 core cable range: 16mm² to 50mm²
- 4 core cable range: 16mm² to 35mm²
- Bundle OD range: 8 to 25mm
- Max. working load: 5kN
- Failing load: 12.5kN
- Weight: 0.9kg.



Product Number
12870

12887 Service / Mains Cable Come-Along

- Conductor type: LVABC
- 2 core cable range: 16mm² to 50mm²
- 4 core cable range: 16mm² to 35mm²
- Bundle OD range: 8 to 25mm
- Max. working load: 5kN
- Failing load: 12.5kN
- Weight: 0.9kg.



Product Number
12887

SCBT38 Mains Cable Come-Along

- Conductor type: LVABC
- Conductor range: 4 x 95mm²
- Max. working load: 8kN
- Failing load: 25kN
- Weight: 3.8kg.



Product Number
SCBT38

BCCA-495150-3 Mains Cable Come-Along

- Conductor type: Bundled LVABC
- Conductor range: 4 x 95mm² to 4 x 150mm²
- For use on LVABC 4 x 95mm² and 4 x 150mm²
- Weight: 6.3kg.



Product Number
BCCA-495150-3

MR5341 Mains Cable Come-Along

- Conductor type: LVABC
- Conductor range: 4 x 95mm²
- Max. working load: 20kN
- Failing load: 32kN
- Weight: 5.0kg.



Product Number
MR5341

5340 Mains Cable Come-Along

- Conductor type: LVABC
- Conductor range: 4 x 25mm² to 4 x 50mm²
- Max. working load: 20kN
- Failing load: 35kN
- Weight: 5.0kg.



Product Number
5340

Tools & Accessories

Stringing Tools

MR5341 Mains Cable Come-Along

- Conductor type: LVABC
- Conductor range: 2 x 25mm² to 2 x95mm²
- Max. working load: 29kN
- Failing load: 46kN
- Weight: 2.3kg.



Product Number
1685-31

Service Tensioner

- Utilised for tensioning of LVABC service cables
- Max. extended length of 2m
- Able to be locked when loaded
- Utilises compound pulley system with a mechanical advantage of 3.



Product Number
CLA PST

Lugall

- 1360kg max. capacity
- Step reverse feature
- Complete with bag
- Light weight: 4.5kg.



Product Number
TOOL-LUGAL 30A-1300

Oxide Removal Brush

- Brush for use on conductors to remove oxide film prior to crimping of cable lugs
- This is a safe and efficient method for removing oxide film from conductors.

Product Number	Painted Colour	Conductor Type
ORB-1	Black	Copper
ORB-2	White	Aluminium



Overhead Line Accessories

■ Tiger Tails - Overhead Line Covers

Industry standard pipe, with unique high visibility striped patterns. Various size options as above. Eyelet in bell housing, interlocking male to female. Excellent resistance to UV and weathering. Suitable as electrical insulation PPE, mechanical protection and visual warning on power lines and conductors.

Composition

High density polyethylene (HDPE).

Colour

Black and yellow stripe.

Chemical Properties

Excellent resistance (no attack) to dilute and concentrated acids, alcohols and bases. Good resistance (minor attack) to aldehydes, esters, aliphatic and aromatic hydrocarbons, ketones and mineral and vegetable oils. Limited resistance (moderate attack and suitable for short term use only) to halogenated hydrocarbons and oxidising agents.

Electrical Properties

Complies with AS4202 Class 1, suitable for use up to 650 volts.



Product Number	Nominal Dimensions (mm)	
	Length	Width
TIGER TAIL DB35A	2600	35

■ Linesman Safety Covers

Features

- Low cost
- Reliable and durable
- Time tested PVC material
- UV stabilised - strong weather resistance
- Dual contrasting layer safety feature.

Product Number	Nominal Dimensions (mm)	
	Length	Width
LSC225	1200	225
LSC300	1200	300
LSC375	1200	375



Wildlife - Protection

■ Powerline Warning Markers

Overhead Powerlines present a low visibility hazard for wildlife, construction workers and low flying agricultural aircraft. When unwanted collisions occur, serious injury can result along with unwanted major asset damage to the electrical network.

The warning markers below have been specifically designed to mitigate against these risks, enabling safe operation of electrical distribution and transmission infrastructure.

High Visibility Warning Flag

Warning flag for indicating low hanging electrical wires. Orange colour contrasts with blue sky when observed from the ground making them ideal for construction zones, along with many other applications.



SIC-WM-CS-E-1J-O
Warning Flag,
Signal Light Weight Orange PVC

3D Rotating Warning Marker

Aerodynamic design complete with reflectors embedded on fins. Marker rotates in breeze to ensure clear visibility.

Highly durable and tested under a range of environmental conditions.

Highly visible to birds and designed to prevent birdstrike of overhead powerlines.



SIC-WM-CS-E-1H-RW
Warning Rotomarka 3D Vane,
Red & White UV

Industrial Enclosures

ARED Range

High performance industrial enclosures to suit a variety of applications.
Thermo-compression of glass reinforced polyester construction, designed to protect:

- Switchboards
- Monitoring and control equipment
- Instrumentation and measuring equipment.

Suitable for extreme and demanding environments, these high performance enclosures are compliant with Internation Electrotechnical Commission IEC 62208 standard.

Cabinet Characteristics

- Cabinets made of glass fibre reinforced polyester, colour grey RAL 7035
- Closing gasket for high quality sealing
- Solid door rotating on two invisible hinges, opening angle > 90 degrees
- Locking by 1 or 2 latches (depending on dimensions of the cabinet) with removable key
- Other locking systems available as option
- Mounting embossing in the casing
- Supplied with screws to fix equipment on the embossings of the casing
- Supplied with set of 4 lugs for wall mounting (from the outside of the cabinet)
- Protection degree IP66 as per CEI 60529
- Shock resistance IK10 as per CEI 62262
- 960 self extinguishing as per CEI 60695-2-10
- Resistant to chemical agents.

Suitable mounting option for Sicame Industrial Mains Connection Boxes



Industrial Enclosures

ARED Range

Product Number	Height	Width	Depth
AC50532	300	250	140
AC50543	400	300	200
AC50554	500	400	200
AC50565	600	500	230
AC50568	615	847	330
AC50586	852	610	330

Back Plates - Screw and nuts supplied with cabinets

Product Number	Height	Width	Compatible with
SP53200	260	223	AC50532
SP54300	360	275	AC50543
SP55400	460	375	AC50554
SP56500	560	475	AC50565
SP86000	560	475	AC50568 & AC50586



Backing Plate

Wet Area Connector

■ Wetcon

Equipotential Bonding
Pools - Spas - Showers - Bathrooms

AS3000 requires the conductive reinforcing within a concrete floor forming part of a shower, bathroom, pool or spa to be bonded to the earthing system of an electrical installation to avoid potential differences.

The WETCON™ provides a quick and easy permanent earth connection to steel reinforcing of wet areas to satisfy these requirements. The connector is supplied with a 2 metre (6mm²) earth tail and is rated to IP66 ensuring a fully water tight corrosion proof connection.



Spanner Included



Product Number	Description
WETCON	Connector w 2m tail
WETCON-12MTR	Connector w longer 12m tail
WETCON-PK	2 x connector w 2m tail

Wetcon

■ Installation

Spanner included

Application

Make a cut in the reinforcing mesh (approx. 100mm) at closest point to the wet area and the cables exit point from the concrete slab

Remove any rust from connection point

Back off shear head bolt to ensure connector body remains open

Cut the nipple to allow cut end of mesh to enter the connector

Measure the connector from the back of the the removed nipple and mark on mesh

Slide the connector body onto the cut end of the mesh ensuring it goes to the marked point

Tighten the shear head bolt with a 13mm spanner or socket until you feel the bolt hit the mesh

Pull test the connector to ensure connector is firmly secured to the mesh

Upon passing the pull test continue tightening the shear-head bolt until the bolt head dislodges

Tie off earth lead with cable ties right up to the concrete exit point

NOTE:
 DO NOT TIGHTEN SHEAR HEAD BOLT WITH PLIERS, SHIFTERS OR MULTIGRIPS. USE PLASTIC SPANNER PROVIDED OR THE SICAME RECOMMENDED

RPS13-176H



Sicame Australia HQ
23-25 Union Circuit
Yatala, QLD Australia
(+61) 7 3807 7022
sales@Sicame.com.au
www.sicame.com.au

Sicame Australia NSW
140 Glendenning Road
Glendenning, NSW Australia
(+61) 2 9621 3155
sales@Sicame.com.au
www.sicame.com.au

or contact your nearest
Sicame office at Sicame.com