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<th>PAGE</th>
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</thead>
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<td>Piranha Series Parallel Splice Waterproof Piercing Connectors</td>
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<td>Piranha Series In-line Splice Waterproof Piercing Connectors</td>
<td>03</td>
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<td>UM..S &amp; WM..S Series Service/Neutral Connectors</td>
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<td>NE &amp; NET Series Mechanical Earth Connectors</td>
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<td>ME &amp; MET Series Mechanical Earth Connectors</td>
<td>15</td>
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<tr>
<td>Jointing Shells</td>
<td>16</td>
</tr>
</tbody>
</table>
PIRANHA™ SERIES
WATERPROOF PIERCING CONNECTORS

APPLICATION
For the waterproof, underground connection of 2, 3 or 4 conductors. Suitable for copper or aluminium insulated cables, single or double insulated from 6 to 50 sq mm. Ideal for connecting cables in pillar boxes, buried connection pits and streetlight columns.

FEATURES
+ waterproof
+ torque controlling shear head bolts for correct contact pressure
+ no need to strip cable
+ flexible cable entry ports
+ fitted with push-on protective bolt caps

TESTING SPECIFICATIONS
Contact Sicame for details.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Number of Connection Ports</th>
<th>Conductor Size Range (sq mm²)</th>
<th>Bolt AF (mm)</th>
<th>Pack Size (pcs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUC2/650</td>
<td>2</td>
<td>6 to 50</td>
<td>13</td>
<td>20</td>
</tr>
<tr>
<td>MUC3/650</td>
<td>3</td>
<td>6 to 50</td>
<td>13</td>
<td>6</td>
</tr>
<tr>
<td>MUC4/650</td>
<td>4</td>
<td>6 to 50</td>
<td>13</td>
<td>12</td>
</tr>
<tr>
<td>MUCIBOLTYELLOW 13-17</td>
<td>N/A</td>
<td>N/A</td>
<td>13</td>
<td>1</td>
</tr>
</tbody>
</table>

Multi-tap insulation piercing connectors for underground connection of two, three or four insulated cables.
PIRANHA™ SERIES—PARALLEL SPLICE
WATERPROOF, FULLY INSULATED PIERCING CONNECTOR

APPLICATION
For the waterproof, underground or overhead connection of up to 2 cables either as a ‘butt’ type connection, or side by side parallel connection (see diagram). Ideal for:
+ connecting cables in pillar boxes
+ connections in underground pits
+ connections in streetlight columns
+ underground to overhead transitions (UGOH)
+ buried service connections

CABLE TYPES*
These versatile connectors will accommodate a large variety of cable types including;
+ LVABC
+ XLPE or PVC insulated
+ single or double insulated
+ aluminium or copper
+ sector or circular
+ solid or stranded

FEATURES
+ waterproof
+ fully insulated, no exposed live components
+ torque controlling shear head bolts for correct contact pressure
+ no need to strip cable
+ no resins or heat shrink required
+ flexible sealing cable ports that are not affected by the angle of cable entry
+ fitted with push-on protective bolt caps
+ no need for crimp tools or dies

TESTING SPECIFICATION
Contact Sicame for details

* Cable types and ranges are nominal and indicative only. Suitability of cable type and size should be confirmed with Sicame prior to application.
PIRANHA™ SERIES—IN-LINE SPLICE
WATERPROOF, FULLY INSULATED
PIERCING CONNECTOR

APPLICATION
For the waterproof splicing or jointing of two cables.

CABLE TYPES*
This versatile connector accommodates a vast array of insulated cable types, sizes and constructions in any combination:
+ circular aluminium or copper
+ stranded or solid
+ single or double insulated
+ LVABC

FEATURES
+ waterproof to IP67 equivalent
+ fully insulated. No exposed live components
+ centre barrier for positive cable core positioning
+ torque controlling shear head bolts for correct contact pressure
+ insulation piercing on both sides of the connector
+ no need to strip cable
+ no resins or heat shrink required
+ flexible sealing cable ports that are not affected by the angle of cable entry
+ fitted with push-on protective bolt caps

TESTING SPECIFICATIONS
Contact Sicame for details

* Cable types and ranges are nominal and indicative only. Suitability of cable type and size should be confirmed with Sicame prior to application.
PIRANHA™ SERIES—MULTI-PORT
WATERPROOF, FULLY INSULATED PIERCING CONNECTOR

APPLICATION
For the waterproof, underground or overhead connection of up to 6 cables. Ideal for:
+ connecting cables in pillar boxes
+ connections in underground pits
+ connections in streetlight columns.
+ underground to overhead transitions (UGOH)
+ buried service connections
+ almost any ‘wet’ environment

CABLE TYPES*
These versatile connectors will accommodate a large variety of cable types including:
+ LVABC
+ XLPE or PVC insulated
+ single or double insulated
+ circular aluminium or copper
+ solid or stranded

FEATURES
+ waterproof to IP67 equivalent
+ fully insulated. No exposed live components
+ torque controlling shear head bolts for correct contact pressure
+ no need to strip cable
+ no resins or heat shrink required
+ flexible sealing cable ports that are not affected by the angle of cable entry
+ fitted with push-on protective bolt caps

TESTING SPECIFICATION
Contact Sicame for details

*Cable types and ranges are nominal and indicative only. Suitability of cable type and size should be confirmed with Sicame prior to application.
MSD SERIES
UNDERGROUND SERVICE PIERCING CONNECTORS
FOR LIVE JOINTING UNDER LOAD

APPLICATION
For the connection of service cables to sector shaped mains cables. No exposed live components and insulation piercing on the mains connection means the MSD series connector offers a reliable method for jointing live with the ability to pick up service load.

Designed for use in cast resin type joints but may also be used in other non-encapsulated applications in dry environments.

CABLE TYPES*
Mains Cables:
+ aluminium 120° 3 core or 90° 4 core sector shaped
+ stranded or solid.
+ PVC or oil impregnated paper insulated.

Service Cables:
+ circular stranded aluminium or copper
+ circular solid aluminium

FEATURES
+ no exposed live components
+ shear head bolts for torque and contact pressure control
+ may be used live and under load
+ no need to strip mains cable cores
+ inherently safe method of jointing
+ range taking
+ no special tooling required.

APPLICATION NOTES
Use only a 13mm AF six sided socket to tighten the contact bolts. **Live cable jointing must only be carried out by suitably qualified and trained personnel. All industry live jointing work practices must be observed**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Number of Service Take-offs</th>
<th>Mains Cable Range (mm²)</th>
<th>Service Cable Range (mm²)</th>
<th>Dimensions (mm) A x B</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSD 185/50</td>
<td>1</td>
<td>70 to 185</td>
<td>4 to 50</td>
<td>46 x 69</td>
</tr>
<tr>
<td>MSD 300/50</td>
<td>1</td>
<td>185 to 300</td>
<td>4 to 50</td>
<td>52 x 88</td>
</tr>
<tr>
<td>MSD2 185/50</td>
<td>2</td>
<td>70 to 185</td>
<td>4 to 50</td>
<td>48 x 106</td>
</tr>
<tr>
<td>MSD2 300/50</td>
<td>2</td>
<td>185 to 300</td>
<td>4 to 50</td>
<td>52 x 105</td>
</tr>
</tbody>
</table>

Recommended Tooling
For live jointing, we recommend the following tools:
Product Number: MO-65013 1600V Insulated 3/8” drive reversible ratchet driver.

Product Number: MO-93113 1600V Insulated 13mm AF socket.
SILF™- SUBMERSIBLE IN-LINE FUSE

APPLICATION
The SILF™ can be used in:
+ Street lighting on columns and poles
+ Underground pits and pillars in distribution systems for units, town houses or factory complexes
+ On poles for service lines
+ At pumps and water reticulation systems.

FEATURES
+ Insulated contact bolts with shear-heads for torque control
+ Bolts may also be removed to disconnect the fuse holder
+ Accommodates a wide range of cable sizes, clearly marked on the side
+ Amp rating permanently marked on the fuse holder body
+ Tinned brass tunnel connection chamber
+ Totally sealed against moisture and water
+ Hermetically sealed chamber for fuse cartridge
+ Cable strip length clearly marked on the side
+ Advanced and proven cable entry seal prevents water ingress
+ Inexpensive and cost effective
+ Each carton packaged with reusable application tool
+ Over moulding is UV stabilised
+ Easily identified as a fuse. Permanently marked in moulding.

FEATURES
Fuse Cartridge
+ 415V, 80kA high rupture capacity (HRC) fuse in accordance with IEC 60269

Complete Unit
+ Temperature rise and non deterioration of contacts tests to AS/NZS 60269
+ Water proofing test to ANSI C119.1
+ 960 deg C glow wire test certified

INSTALLATION NOTES
For tightening of the shear-head bolts, use the plastic spanner included. See below.

<table>
<thead>
<tr>
<th>PRODUCT NUMBER</th>
<th>FUSE SIZE</th>
<th>CONDUCTOR SIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILF 6</td>
<td>6 amp</td>
<td>1.5 mm² to 16 mm²</td>
</tr>
<tr>
<td>SILF 8</td>
<td>8 amp</td>
<td>1.5 mm² to 16 mm²</td>
</tr>
<tr>
<td>SILF 10</td>
<td>10 amp</td>
<td>1.5 mm² to 16 mm²</td>
</tr>
<tr>
<td>SILF 16</td>
<td>16 amp</td>
<td>1.5 mm² to 16 mm²</td>
</tr>
<tr>
<td>SILF 20</td>
<td>20 amp</td>
<td>1.5 mm² to 16 mm²</td>
</tr>
<tr>
<td>SILF 32</td>
<td>32 amp</td>
<td>1.5 mm² to 16 mm²</td>
</tr>
</tbody>
</table>

Recommended tool for all products: Plastic spanner included with SILFs.
**MF4 SERIES MECHANICAL FERRULE**

**APPLICATION**
General purpose mechanical ferrule for smaller copper conductors. Type 1 connectors are ideal for resin filled joints. Type 2 have been designed specifically for heat shrink type joints, but will equally suit resin joints. Available with or without a centre water blocking barrier.

**CONDUCTOR TYPE**
A wide range of conductor including solid or stranded, circular or sector shaped conductors in the ranges indicated.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Type</th>
<th>Stranded Circular Conductor Size Range (mm²)</th>
<th>Dimensions (mm) A x B x C</th>
<th>Hex Key AF (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MF4/1</td>
<td>1</td>
<td>6&quot; to 35</td>
<td>35x14x11.7</td>
<td>3</td>
</tr>
<tr>
<td>MF4/2</td>
<td>1</td>
<td>10 to 50</td>
<td>45x17x18</td>
<td>3</td>
</tr>
<tr>
<td>MF4/5</td>
<td>2</td>
<td>6&quot; to 35</td>
<td>35x19x11.7</td>
<td>3</td>
</tr>
<tr>
<td>MF4/7</td>
<td>2</td>
<td>16 to 50</td>
<td>46x32x17</td>
<td>3</td>
</tr>
<tr>
<td>MF4/3</td>
<td>1</td>
<td>6&quot; to 35</td>
<td>44x14x11.7</td>
<td>3</td>
</tr>
<tr>
<td>MF4/4</td>
<td>1</td>
<td>16 to 50</td>
<td>56x17x18</td>
<td>3</td>
</tr>
<tr>
<td>MF4/9</td>
<td>2</td>
<td>6&quot; to 35</td>
<td>44x19x11.7</td>
<td>3</td>
</tr>
<tr>
<td>MF4/8</td>
<td>2</td>
<td>16 to 50</td>
<td>56x22x17</td>
<td>3</td>
</tr>
</tbody>
</table>

Conductor sizes of ≤4mm² and below should be doubled and re-doubled, where necessary to achieve a satisfactory cross sectional area. Conductor range is applicable to either size of the connector, in any combination.

All connectors are manufactured from brass.

Consult factory for application range on other conductor types.

Installation:
1. Strip the core insulation equal to half the connector length + 3mm
2. Thoroughlyabraid all conductors to be joined
3. Align cores within connector and tighten screws on each side alternately until tight.

**BST/A SERIES**

**APPLICATION**
Branch connections to mains cables

**CONDUCTOR TYPE**
3 or 4 core solid sector aluminium

Hexagonal head screw available as an option. Add suffix ‘H’ to product number. Eg, BST/A3H

<table>
<thead>
<tr>
<th>Branch Conductors Size (mm)</th>
<th>70</th>
<th>95</th>
<th>120</th>
<th>150</th>
<th>165</th>
<th>240</th>
<th>300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mains conductor size (mm)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>95</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>165</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>240</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>300</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Product Numbers:**
- **BSTA/1**
- **All connectors**
- **BST/A2, BST/A3**

The combinations in the table above are valid for conductors of the same sector shape, i.e. 4 core to 4 core, or 3 core to 3 core. Should mixed combinations be required, we suggest that verification of the products suitability be obtained prior to use. It may be found that with smaller conductor configurations the connector can accept the branch conductor with the apex facing inwards toward the main, but it is generally recommended that the connectors are set curve to curve to avoid any possible interference with the threads of the clamp screws. The BST/A3 connector has an increased range of application over the BSTA2 and is suitable for all conductor orientations. Conductors’ orientation does not matter with the BST/A3.
LVM SERIES BRANCH CONNECTOR

APPLICATION
General purpose low voltage branch, service or straight connections.

CONDUCTOR TYPE
A wide range of conductor types including solid or stranded, circular or sector shaped, copper or aluminium, in any combination.

LIVE ON-LOAD JOINTING
The LVM range of connectors may be safely used to connect live cables on loads of up to 600 amps @ 240 volts. An optional insulating shroud is available to facilitate safe live jointing.

FEATURES
+ “SHROUD” models include dip moulded plastic shrouds
+ Stainless steel fasteners
+ Ideal alternate to “C” crimps

**PLEASE NOTE:**
Live cable jointing must only be carried out by suitably qualified and trained personnel. All industry live jointing work practices must be observed**
BF & TF SERIES BI-FORM AND TRIFORM MECHANICAL CONNECTORS

+ Accepts 185 and 240mm² 4 core solid or stranded aluminium sector cables to AS1125
+ Accepts up to two 50mm² copper tap-off connections. (3 for TF-2A connector)
+ Available in “BI-FORM” or “TRI-FORM” form which allows either two sector cable connections (normal loop type pillar) or three connections (three way loop pillar).
+ Shear-head screw on main cable connections provide correct tightening of bolts and ensure trouble free operation.
+ No special tools needed for installation, just a spanner!
+ Compact dimensions allow standard protective covers to be used.
+ Fully tested to standard BS4579 “Specification for performance or mechanical and compression joints in electric cable and wire connectors” (2000 heat cycles).

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Connections Mains</th>
<th>Main Cable Range</th>
<th>Maximum Tap Size</th>
<th>Service Tap Size (mm)</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>BF-1A</td>
<td>2</td>
<td>120 solid Al, 120 stranded Al, 240 solid Al, 240 stranded Al.</td>
<td>2 x 50mm² Cu.</td>
<td>6</td>
<td>20</td>
</tr>
<tr>
<td>BF-1A/ SYD</td>
<td>2</td>
<td>120 solid Al, 120 stranded Al, 240 solid Al, 240 stranded Al.</td>
<td>2 x 50mm² Cu.</td>
<td>6</td>
<td>20</td>
</tr>
<tr>
<td>TF-2A</td>
<td>3</td>
<td>120 solid Al, 120 stranded Al, 240 solid Al, 240 stranded Al.</td>
<td>3 x 50mm² Cu.</td>
<td>6</td>
<td>20</td>
</tr>
<tr>
<td>TF-2A/ SYD</td>
<td>3</td>
<td>120 solid Al, 120 stranded Al, 240 solid Al, 240 stranded Al.</td>
<td>3 x 50mm² Cu.</td>
<td>6</td>
<td>20</td>
</tr>
</tbody>
</table>
MF SERIES

APPLICATION
Straight through joint for 3 or 4 core sectorshaped solid or stranded aluminium, and stranded copper conductors.

FEATURES
+ All connectors feature a shear head bolt for bolting torque control.
+ Pressure pads are included for stranded conductor connectors.
+ MF1 and MF3 types are supplied with brass gauze for connection of copper conductors.
+ When connecting copper conductor, the brass gauze supplied with connector should be wrapped around the copper conductor prior to bolting.
+ MF3 type connectors include pressure pad for stranded side only.
+ Packed individually in sealed plastic bags.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Conductor Size Range (mm²)</th>
<th>Overall Length (A) (mm)</th>
<th>Width (B) x Height (C) (mm)</th>
<th>Hex Head AF (mm)</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>MF1/1</td>
<td>50-95</td>
<td>80</td>
<td>25x25</td>
<td>13</td>
<td>1</td>
</tr>
<tr>
<td>MF1/2</td>
<td>95-165</td>
<td>100</td>
<td>34x33</td>
<td>17</td>
<td>1</td>
</tr>
<tr>
<td>MF1/3</td>
<td>185-300</td>
<td>120</td>
<td>40x41</td>
<td>17</td>
<td>1</td>
</tr>
</tbody>
</table>

Connectors for joining STRANDED sector to STRANDED sector shaped conductors

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Conductor Size Range (mm²)</th>
<th>Overall Length (A) (mm)</th>
<th>Width (B) x Height (C) (mm)</th>
<th>Hex Head AF (mm)</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>MF2/1*</td>
<td>50-95</td>
<td>80</td>
<td>25x25</td>
<td>13</td>
<td>1</td>
</tr>
<tr>
<td>MF2/2*</td>
<td>95-165</td>
<td>100</td>
<td>34x33</td>
<td>17</td>
<td>1</td>
</tr>
<tr>
<td>MF2/3*</td>
<td>185-300</td>
<td>120</td>
<td>40x41</td>
<td>17</td>
<td>1</td>
</tr>
</tbody>
</table>

Connectors for joining SOLID sector to SOLID sector shaped conductors, in either orientation

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Conductor Size Range (mm²)</th>
<th>Overall Length (A) (mm)</th>
<th>Width (B) x Height (C) (mm)</th>
<th>Hex Head AF (mm)</th>
<th>Pack Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>MF3/1</td>
<td>50-95</td>
<td>80</td>
<td>25x25</td>
<td>13</td>
<td>1</td>
</tr>
<tr>
<td>MF3/2</td>
<td>95-165</td>
<td>100</td>
<td>34x33</td>
<td>17</td>
<td>1</td>
</tr>
<tr>
<td>MF3/3</td>
<td>185-300</td>
<td>120</td>
<td>40x41</td>
<td>17</td>
<td>1</td>
</tr>
</tbody>
</table>

* MF2 types not supplied with brass gauze

Recommended tool for all products: RFS13/17-0H or RPS13/17-0SH
UM & UM..XL SERIES
SHEAR BOLT STRAIGHT CONNECTORS

APPLICATION
For the in-line connection of two low voltage power cables. Ideal for LV heat shrink or cast resin type joints.

CONDUCTOR TYPE
This versatile connector accommodates a vast array of conductor types, sizes and constructions in any combination;
+ aluminium or copper
+ stranded or solid
+ Circular or sector shaped
+ 120° 3 core or 90° 4 core shaped

FEATURES
+ All connectors feature a shear-head bolt for precision contact force control.
+ The removable bridge allows the easy mounting of conductors into the connector. Bending of cable cores is kept to an absolute minimum. Ideal for large conductors and restricted working spaces.
+ The unique and advanced contact bolt design does not require the use of pressure pads on stranded conductor.
+ Electro-tinned body and contact bolts enables the jointing of copper to copper or copper to aluminium conductors without the use of brass gauzes.
+ The advanced design of the connector body allows the connection of sector shaped cables with the sector apex either pointing away or towards the contact bolt, minimising the need to twist sector cable cores.

EXTENDED LENGTH (XL) SERIES
The extended length series (XL) connectors have an extra 20mm between inner bolt centres for added flexibility when jointing spiked conductors or repairing cable breaks.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Conductor Size Range (mm²)</th>
<th>Overall Length (B) (mm)</th>
<th>Width (A) x Height (C) (mm)</th>
<th>Hex Head AF (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UM9S</td>
<td>25—95</td>
<td>86</td>
<td>26 x 245</td>
<td>13</td>
</tr>
<tr>
<td>UM95XL</td>
<td>25—95</td>
<td>106</td>
<td>26 x 245</td>
<td>13</td>
</tr>
<tr>
<td>UM18S</td>
<td>35—185</td>
<td>108</td>
<td>35 x 33</td>
<td>17</td>
</tr>
<tr>
<td>UM185XL</td>
<td>35—185</td>
<td>128</td>
<td>35 x 33</td>
<td>17</td>
</tr>
<tr>
<td>UM200</td>
<td>70—300</td>
<td>120</td>
<td>41 x 40</td>
<td>17</td>
</tr>
<tr>
<td>UM300XL</td>
<td>70—300</td>
<td>140</td>
<td>41 x 40</td>
<td>17</td>
</tr>
</tbody>
</table>

The XL series connectors are 26mm longer than the standard range. Refer product description for application.

Packed individually in sealed plastic bags.

Recommended tool for all products: RPS13/17-4H or RPS13/17-5SH

Products also suitable for installation with battery powered impact drivers. Refer to section: TECHNICAL GUIDELINES & INFORMATION, page 02.
WB & WB...XL SERIES
SHEAR BOLT BRANCH CONNECTORS

APPLICATION
Branch or tee connector for low voltage cable joints. Ideally suited for use in cast LV resin type joints.

CONDUCTOR TYPE
This versatile connector accommodates a vast array of conductor types, sizes and constructions in any combination:
+ aluminium or copper
+ stranded or solid
+ Circular or sector shaped
+ 120° 3 core or 90° 4 core shaped

FEATURES
+ All connectors feature a shear-head bolt for precision contact force control.
+ The removable bridge allows the easy mounting of conductors into the connector. Bending of cable cores is kept to an absolute minimum. Ideal for large conductors and restricted working spaces.
+ The unique and advanced contact bolt design does not require the use of pressure pads on stranded conductor.
+ Electro-tinned body and contact bolts enables the joining of copper to copper or copper to aluminium conductors without the use of brass gauzes.
+ The advanced design of the connector body allows the connection of sector shaped cables with the sector apex either pointing away or towards the contact bolt, minimising the need to twist sector cable cores.

EXTENDED LENGTH (XL) SERIES
The extended length series (XL) connectors are double the length (with 4 bolts for each side) for added flexibility when jointing spiked conductors or repairing cable breaks.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Conductor Range Size (mm²)</th>
<th>Dimensions (mm)</th>
<th>Bolt AF D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mains</td>
<td>Branch</td>
<td>A x B x C</td>
</tr>
<tr>
<td>WB9S</td>
<td>26 — 66</td>
<td>25 — 96</td>
<td>60 x 43 x 31.5</td>
</tr>
<tr>
<td>WB95XL</td>
<td>25 — 05</td>
<td>25 — 95</td>
<td>50 x 86 x 31.5</td>
</tr>
<tr>
<td>WB185</td>
<td>35 — 185</td>
<td>50 — 185</td>
<td>67 x 54 x 44</td>
</tr>
<tr>
<td>WB185XL</td>
<td>25 — 185</td>
<td>50 — 185</td>
<td>67 x 108 x 44</td>
</tr>
<tr>
<td>WB309</td>
<td>70 — 300</td>
<td>70 — 300</td>
<td>76 x 60 x 53</td>
</tr>
<tr>
<td>WB300XL</td>
<td>70 — 300</td>
<td>70 — 300</td>
<td>78 x 120 x 53</td>
</tr>
</tbody>
</table>

XL connectors are double the length and have four bolts per side. See features description.

Recommended tool for all products: RPS13/17-6H or RPS13/17-6SH

Products also suitable for installation with battery powered impact drivers. Refer to section: TECHNICAL GUIDELINES & INFORMATION, page 02.
**UM../S SERIES**

**APPLICATION**
For LV mains branch jointing with services. Can also be used for neutral connections on 3 core wave form to 4 core sector joints.

Refer to UM series connectors for details of conductor types.

+ Dip moulded insulating shrouds available

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Mains Conductor Size Range (mm²)</th>
<th>Service Conductor Size Range (mm²)</th>
<th>Width (A) x Length (B) x Height (C) (mm³)</th>
<th>Hex Head AF (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UM95/S</td>
<td>25—95</td>
<td>10—70</td>
<td>26x12x25.5</td>
<td>13 13</td>
</tr>
<tr>
<td>UM185/S</td>
<td>35—185</td>
<td>10—70</td>
<td>35x14x44.5</td>
<td>17 13</td>
</tr>
<tr>
<td>UM300/S</td>
<td>70—300</td>
<td>10—70</td>
<td>41x15x51</td>
<td>17 13</td>
</tr>
</tbody>
</table>

**WB../S SERIES**

**APPLICATION**
For LV mains branch jointing with services. Can also be used for neutral connections on 3 core wave form to 4 core sector joints.

Refer to WM series connectors for details of conductor types.

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Mains/Branch Conductor Size Range (mm²)</th>
<th>Service Conductor Size Range (mm²)</th>
<th>Width (A) x Length (B) x Height (C) (mm³)</th>
<th>Hex Head AF (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WB95/S</td>
<td>25—95</td>
<td>10—70</td>
<td>50x79x56.5</td>
<td>13 13</td>
</tr>
<tr>
<td>WB185/S</td>
<td>35—185</td>
<td>10—70</td>
<td>67x90x54.5</td>
<td>17 13</td>
</tr>
<tr>
<td>WB300/S</td>
<td>70—300</td>
<td>10—70</td>
<td>78x98x53</td>
<td>17 13</td>
</tr>
</tbody>
</table>

Recommended tool for all products: RPS13/17-4H or RPS13/17-5SH

Products also suitable for installation with battery powered impact drivers. Refer to section: TECHNICAL GUIDELINES & INFORMATION, page 02.
NE SERIES
SERVIC / MAINS, NEUTRAL / EARTH CONNECTORS

APPLICATION
The connection of stranded aluminium and copper neutral/earth (CNE) conductors. Designed to connect the stranded copper and stranded aluminium neutral earth conductors of CNE (waveform) service and mains distribution cables.

MATERIAL
Copper alloy

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Conductor Range Size (mm²)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min</td>
<td>Max</td>
</tr>
<tr>
<td>NE13</td>
<td>25</td>
<td>150</td>
</tr>
<tr>
<td>NE15</td>
<td>40</td>
<td>240</td>
</tr>
</tbody>
</table>

NET SERIES
CONSAC TO WAVEFORM, NEUTRAL / EARTH CONNECTORS

APPLICATION
The connection of consac cable (aluminium sheath) to waveform cable neutral earth wires. Suitable for either stranded copper or stranded aluminium neutral/earth conductors of CNE (waveform) cable.

MATERIAL
CZ121 Copper Alloy to BS2874

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Conductor Range Size (mm²)</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min</td>
<td>Max</td>
</tr>
<tr>
<td>NET/1</td>
<td>40</td>
<td>240</td>
</tr>
</tbody>
</table>
MECHANICAL EARTH CONNECTORS

ME & ME(T) SERIES
EARTH CONNECTOR KIT

APPLICATION
Mechanical earth connection to 0.6/1kV impregnated paper insulated lead sheathed cable (PILC). The Hepworth ME range of kits provide the end user with a quick and reliable connection onto the lead sheath of a range of PILC cables. The profiled copper alloy saddle sits firmly on the lead sheath, using knitted wire tape as the interface with the assembly held firmly in place using a stainless steel worm drive clamp. The end user can position, cut to length and prepare the earth bond before the final torque controlled connections are made within the connector.

FEATURES
Copper Alloy
(body/screw)

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Service/Insides Conductor Range Size (mm²)</th>
<th>Earth Bond Conductor Range (mm²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME165</td>
<td>150 - 185</td>
<td>10.0 - 70</td>
</tr>
<tr>
<td>ME400</td>
<td>150 - 400</td>
<td>10.0 - 70</td>
</tr>
<tr>
<td>ME(T)35</td>
<td>15 - 39</td>
<td>10.0 - 35</td>
</tr>
<tr>
<td>ME(T)120</td>
<td>26 - 129</td>
<td>10.0 - 70</td>
</tr>
<tr>
<td>ME(T)400</td>
<td>129 - 387</td>
<td>10.0 - 70</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME165</td>
<td>A 32 B 34 C 19 D 13</td>
</tr>
<tr>
<td>ME400</td>
<td>A 32 B 34 C 19 D 13</td>
</tr>
<tr>
<td>ME(T)35</td>
<td>A 29 B 41.5 C 19 D 2 x 3mm grub screw</td>
</tr>
<tr>
<td>ME(T)120</td>
<td>A 37 B 34 C 28.5 D 13</td>
</tr>
<tr>
<td>ME(T)400</td>
<td>A 37 B 34 C 27.5 D 13</td>
</tr>
</tbody>
</table>
JOINTING SHELLS

APPLICATION
Encapsulation and protection of resin filled underground cable joints.

FEATURES
+ Direct buriable
+ Supplied complete with shell sealing kit
+ Will suit a wide range of cables and joint types
+ Manufactured from durable ABS plastic
+ Will suit both LV and MV applications
+ Over 50 designs to choose from

Please contact Sicame for details on the complete range of shell designs.

TYPICAL EXAMPLES

- **MS10**
  - Ø165 x 570

- **MS12**
  - Ø140 x 740

- **MS13**
  - Ø160 x 740

- **MS14**
  - Ø195 x 690

- **MST15**
  - Ø220 x 910