Tape/Double Steel Wire Armours Ref No: SPS 1232

24kV XPLE Cable with Individual Lead Screen Cores and Steel Heatshrink/Resin Combination Joint Suit 3 Core 120mm²

Installation Instruction
Table 1

<table>
<thead>
<tr>
<th>SIZE (mm²)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>MAX CONNECTOR LENGTH (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>190</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td>170</td>
</tr>
<tr>
<td>220</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td>150</td>
</tr>
<tr>
<td>500</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td>1150</td>
</tr>
<tr>
<td>700</td>
<td></td>
<td></td>
<td></td>
<td>X</td>
<td>700</td>
</tr>
<tr>
<td>1000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>560</td>
</tr>
<tr>
<td>1150</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>120-185</td>
</tr>
</tbody>
</table>

NOTE: These joints are designed for use with MY compression ferrules and mechanical connectors.

1. Ensure the cables overlap before preparing to the dimensions shown above and in accordance with Table 1 below.
2. Before proceeding, ensure any components that need to be positioned over the cable end/s are positioned now before the cores are jointed.

ALL DIMENSIONS SHOWN IN mm

CABLE PREPARATION
**Note:** Screen removal tools can be provided. See trace of the screen remains. Using the cleaning liquids provided and ensure no thoroughly de-grease the exposed insulation.

The screen ends.

To damage the primary insulation, particularly at very carefully remove the semi-conductive layer of the semi-conductive screens as shown in Fig. 4.

Using a suitable tool, remove the lead sheath 5. Support rings.

Supporting it may not be necessary to fit an armour layer, due to double armour wire and steel tape support rings and bend back the wires upon it. 4. Bend back the armour wires and fit the armour layers now before the cores are connected.

However, it may be easier to fit as the longer braids are secured to the steel tape 3. Braid earth braids to the lead at the same time. Secure the braids at this stage and instead, secure the steel roll springs supplied as shown in Fig 2.

**Note:** The user may wish to not fit these shorter.
as in Fig 9.

Grey mastics tape over the tube ends (both sides).

12. Stretch and warm the short lengths of 45CHV and well-thickness.

all around the tubes to ensure an even recovery. Keep the ends, shrink them, keeping the flame moving and stringing in the middle and working towards the middle position the red/black dual wall tubings.

11. Finally position the red/black dual wall tubings.

and shrink as previous.

10. Now carefully position the red insulation tubes

around the tubes until fully recovered. After they have been sheared.

6. Carlylise the X black stress control tubes.

Important - Fill in the gap between primary insulation and connector. Also fit mechanical

11.0mm, as shown in Fig 5.

overlap. Extend onto the primary insulation by 50% connector area under tension and with a

8. Apply the yellow stress relief mastics over the

shrink on each core as shown in Fig 5.

7. Stretch the yellow stress relief tape and apply
dc-grease before proceeding.

as shown in Fig 5.

6. Park the stress control tubings, red insulation

and red/black dual wall tubings over each core tube and red/black dual wall tubings over each core.
Supplied with these additional components.

13. Take a roll of the copper mesh bandage and within half width overlap around each core. Extend past the end/s of the core.

14. Position the 3 x main earth strips from one side of the joint to the other. Use the wound armour drive ammoun layer as shown above in Fig 11.

15. As this joint will be contained within a resin filled stainless steel box, refer to the box and resin application instructions.

Note: If user decided not to fit the 3 x shorter earth braids to the lead, as shown in Fig 2, the should now secure these longer earth

The braids to the armour wires and the steel tape armour layer as shown above in Fig 11.

Fig 11

Fig 10

Connect the insulation tube set and secure to the lead sheath at each end. Secure with roll springs as shown above in Fig 10.