



# Shrink Polymer Systems

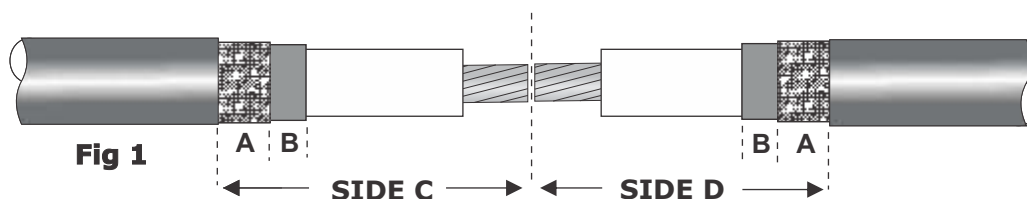
Cable Installation Materials – 24 volts to 36 kV



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## INSTALLATION INSTRUCTION HEATSHRINK JOINT TO SUIT SINGLE CORE XLPE OR EPR CABLES WITH BRAID ARMOUR 0.6/1kV



1. Ensure the cables overlap and prepare as shown in Fig 1 and Table 1 below. The braided armour should be terminated to dimension A. Expose the inner bedding to dimension B (if present) **Note:-** Side C and D dimensions include armour and bedding dimensions.

CONDUCTOR SIZE (mm <sup>2</sup> )	LONG SIDE (mm)	SHORT SIDE (mm)	BEDDING (B mm)	ARMOUR (A mm)
4-6	100	100	20	30
10-16	100	100	20	30
25-50	120	120	40	40
70-95	150	150	40	50
120-185	170	170	50	60
240-300	180	180	50	60

Table 1

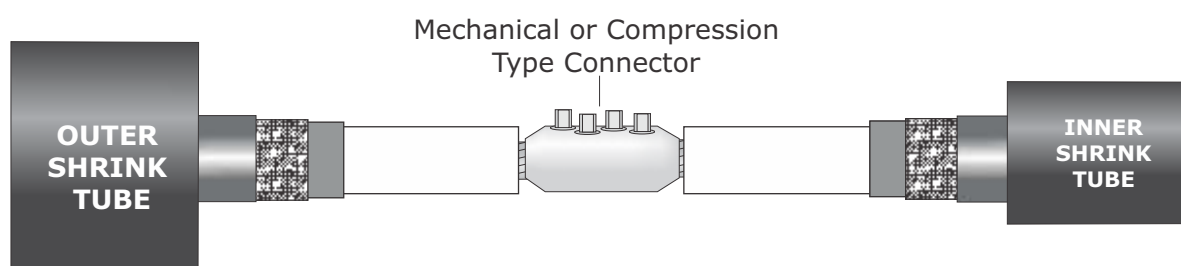
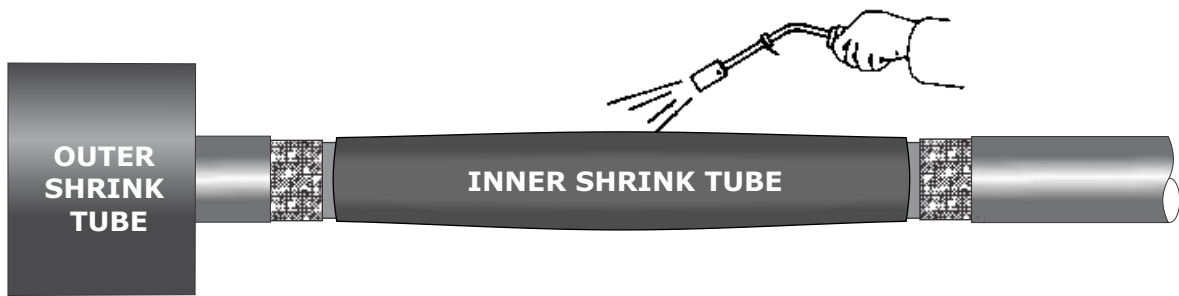


Fig 2

2. Clean and de-grease the cores and outer sheath with the tissue provided before positioning the inner and outer shrink tubes over the cable end/s.

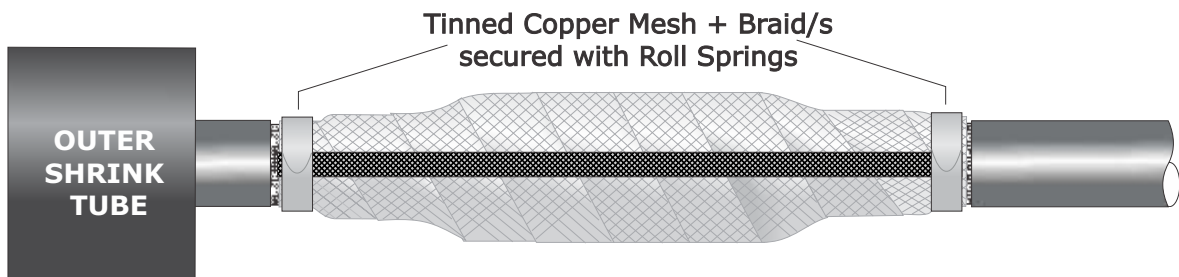
3. Remove the insulation to half the length of the ferrule and with an approved tool, crimp the ferrule. Remove any sharp points and de-grease before proceeding. **Note:** mechanical connectors can be used, inner shrink tube may need to be increased in size.





**Fig 3**

4. Position the inner shrink tube so that it overlaps equally at both sides. With a suitable heat source, shrink from the centre to one end at a time all around the tube.



**Fig 4**

5. If possible, position the armour support rings under the braid armours at both sides.  
**Note:** not supplied on the very small cables.

6. Wrap two layers of the tinned copper mesh around the joint with 50% overlap and secure at both sides along with the additional earth braid/s with the roll springs supplied as shown in Fig 4. Tape over any sharp points.



**Fig 5**

7. Position the outer shrink tube centrally so that it overlaps equally at both sides. Shrink as before, from the centre to one end at a time all around the tube until fully recovered.

8. Allow to cool before applying any mechanical strain.

**Note:** joints for zero halogen and fire resistant cables are also available.