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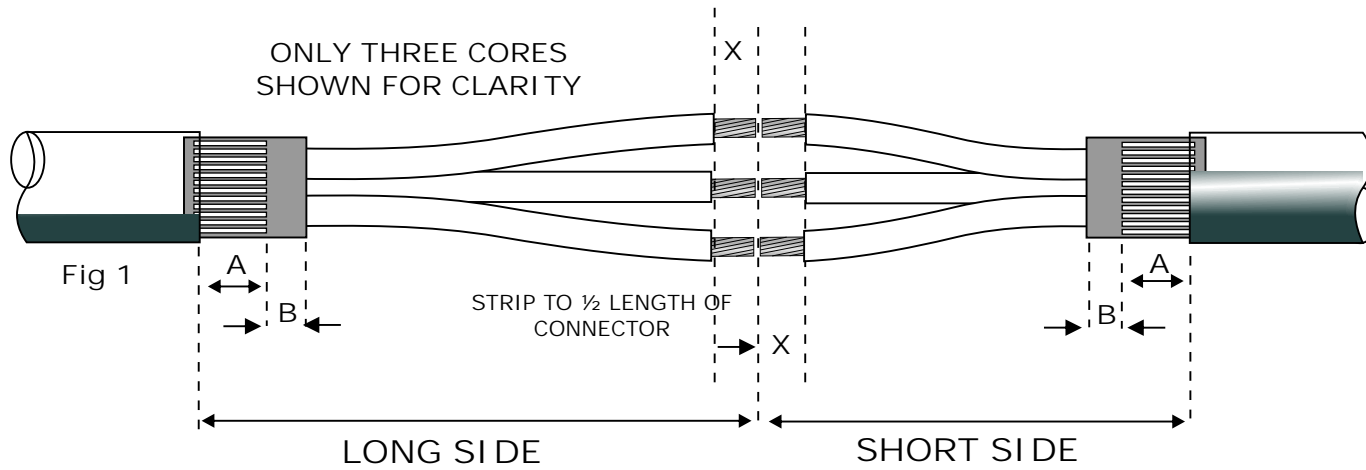
INSTALLATION INSTRUCTION
ZERO HALOGEN FLAME RETARDANT HEATSHRINK JOINT
TO SUIT 3-4 CORE XLPE OR EPR ARMoured
CABLES 0.6/1kV TYPE SPA NH AND SPA NHF



- THESE INSTRUCTIONS SHOULD BE FOLLOWED BY A TRAINED COMPETENT FITTER
- A PROPANE GAS TORCH IS THE PREFERRED METHOD FOR SHRINKING THESE MATERIALS
- ENSURE THAT THE MATERIALS ARE KEPT
- CLEAN AND DRY AND ARE FREE FROM DUST, SAND AND GREASE
- PLEASE CALL THORNE & DERRICK FOR ANY ADVICE



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1. Ensure that the Cables overlap and prepare as above using the dimensions given in Table 1 below.
2. Slide the Zero Halogen Outer Shrink Tube and Armour Clamps over the Cable end/s before proceeding.

CONDUCTOR SIZE (mm ²)	LONG SIDE (mm)	SHORT SIDE (mm)	BEDDING B (mm)	ARMOUR A (mm)	X
1.5-6	120	80	10	30	HALF LENGTH OF CONNECTOR
10-16	150	120	15	35	
25-50	215	135	20	45	
70-95	280	180	20	50	

TABLE 1

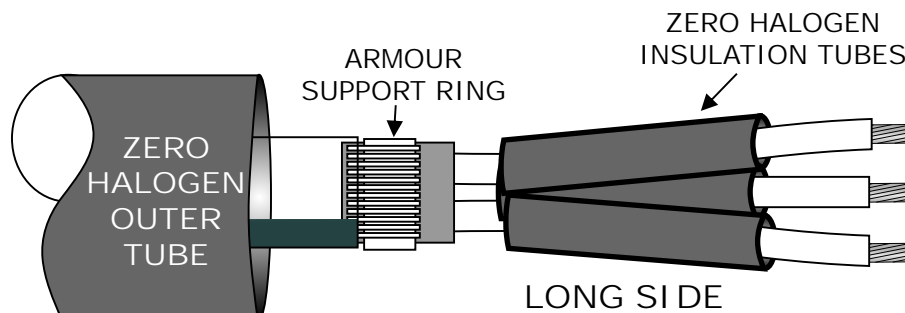


Fig 2

3. Fit the Armour Support Rings (No need if Cable is Steel Tape Armoured or some of the smaller size Joints in the range) before positioning the Zero Halogen Connector Insulation Tubes down the longer of the Cores.

Note: If Fire Barrier Tube is being used, position this over the cable end also.

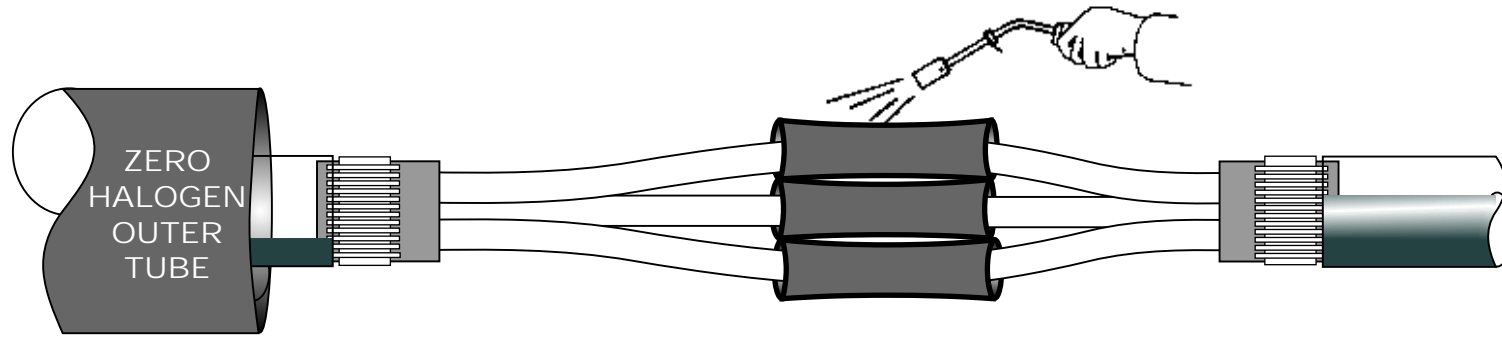


Fig 3

4. Expose the Conductors to half the length of the Connectors and fit using a suitable tool to crimp them.
5. Position the Tubes centrally over the Connectors and shrink from the centre to one end at a time. Keep the flame on the move to ensure an even wall thickness. Sealants will be visible at Tube ends once fully shrunk.

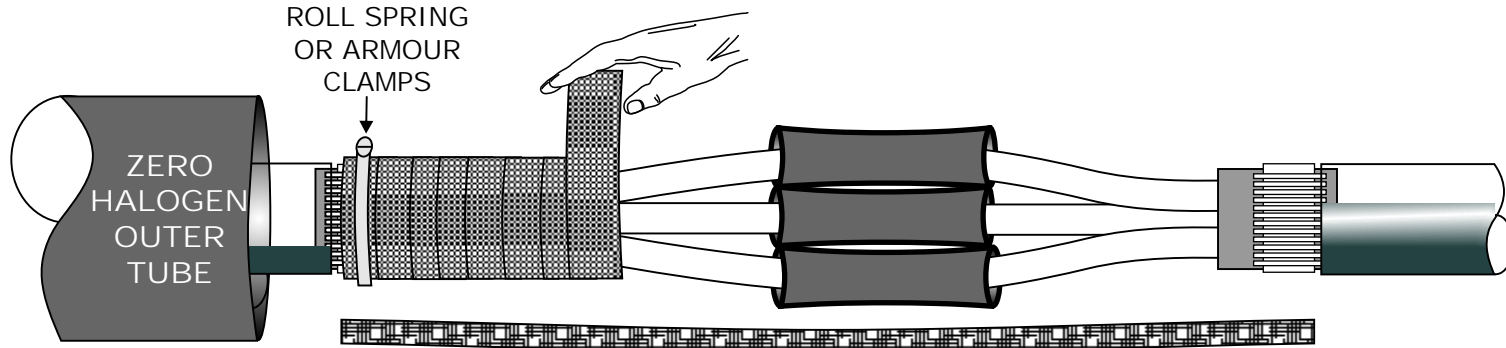


Fig 4

ADDITIONAL EARTH STRAP REQUIRED FOR CABLES 25mm² AND OVER

6. Wrap the Tinned Copper Mesh around the joint gap and secure to the Armours at both sides with the Roll Springs or Armour Clamps supplied. Additional Earth Strap/s maybe be included for larger Cables sizes, these should be secured along with the Copper Mesh.

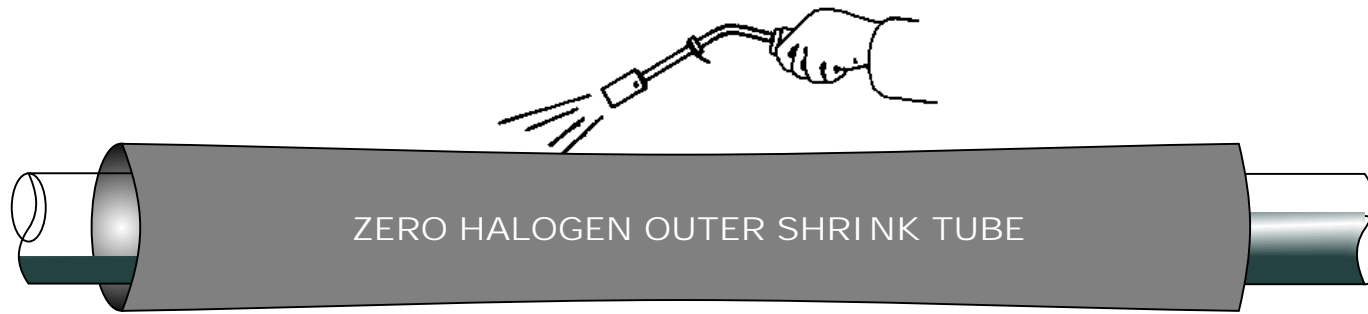


Fig 5

7. De-grease the Cable Sheaths with the Tissues provided. Position the Zero Halogen Outer Shrink Tube and shrink from the centre to one end at a time. Keep the flame on the move all around the Tube to ensure an even wall thickness.
8. Allow the completed Joint to cool before applying any mechanical strain.

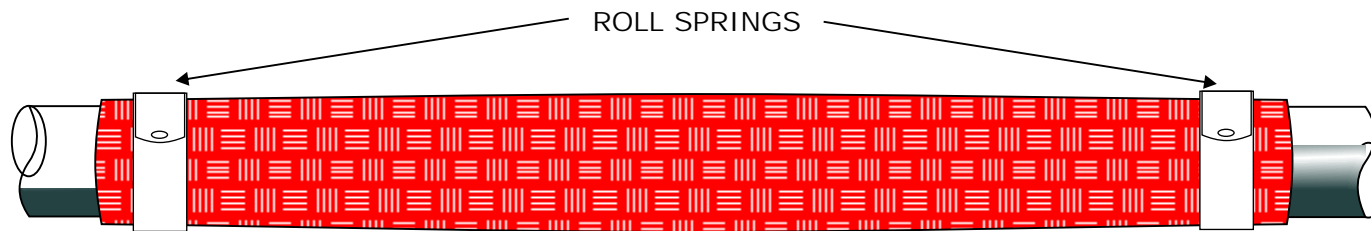


Fig 6

9. If Joint type SPA NHF is supplied, this incorporates a Fire Barrier Tube. Joint type SPA NH is supplied without it. Slide the Red Silicone coated Fire Barrier Tube across the joint gap so that it overlaps equally distant at both sides. Secure at each side with a Stainless Steel Roll Spring as shown in Fig 6.

