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INSTALLATION INSTRUCTION
HEASHRINK JOINTS TO SUIT 3-5 CORE FIRE RESISTANT XLPE/SWA/LSOH OR EPR/GSB CABLE 0.6/1kV

Picture for illustration purposes only

- 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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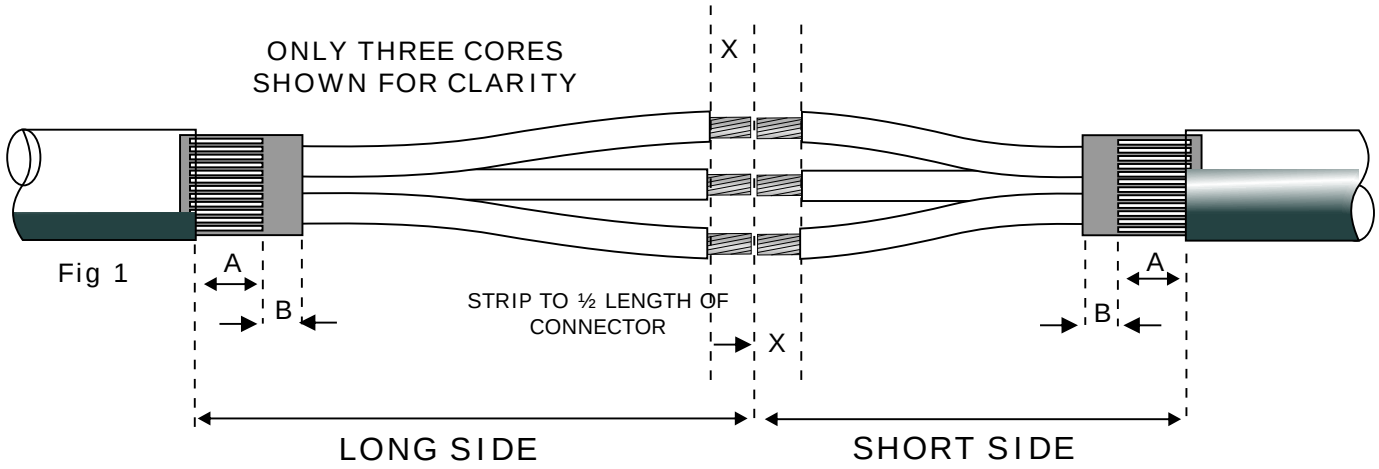

Fig 1

1. Ensure that the Cables overlap and prepare as above using the dimensions given in Table 1 below. Important:- Normally on Fire Resistant Cables Mica Tape is applied to each Conductor, if applied over the Core Insulation, do not remove this important layer.

2. Slide the Outer/Inner Shrink Tubes, Fire Barrier Tube, Armour Clamps over the Cable end/s.

CONDUCTOR SIZE (mm^2)	LONG SIDE (mm)	SHORT SIDE (mm)	BEDDING B (mm)	ARMOUR A (mm)	X
1.5-2.5	100	70	10	20	HALF CONNECTOR LENGTH
4-6	150	90	10	30	
10-16	170	130	20	35	
25-50	215	135	20	45	
70-95	280	180	20	50	
120-185	400	300	20	60	
240-400	530	390	30	75	

Table 1

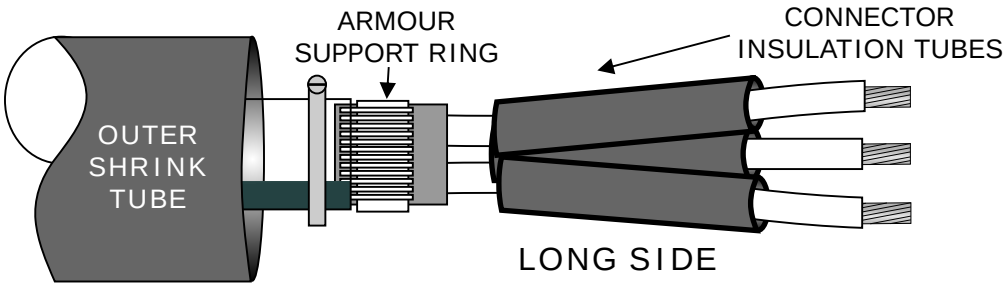

Fig 2

3. Fit the Armour Support Rings if Cable is Steel Wire Armoured (No need if Cable is Steel Tape Armoured or kit supplied with Roll Springs) before positioning the Connector Insulation Tubes down the longer of the Cores.

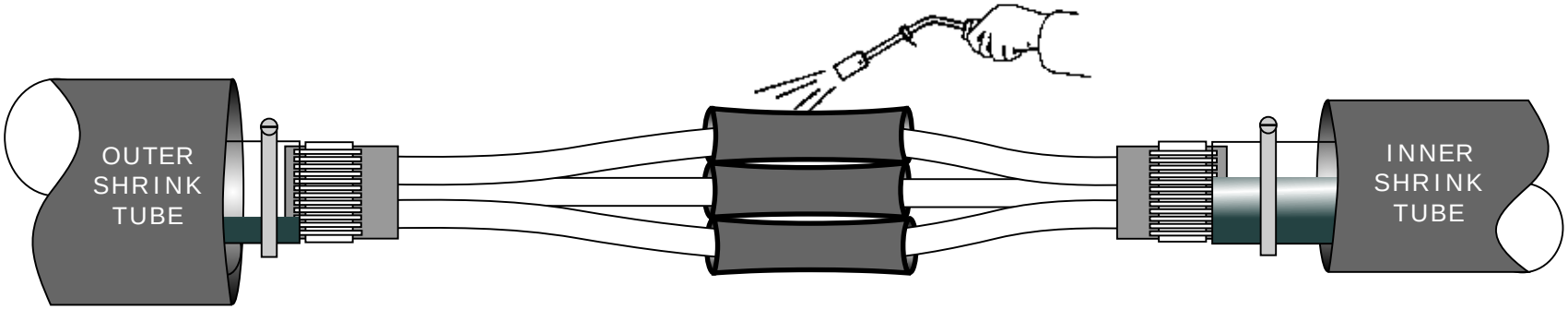

Fig 3

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.

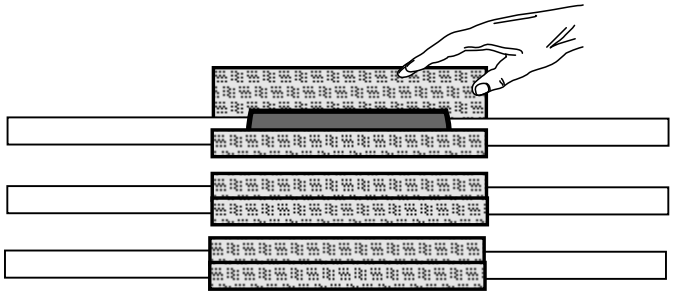

Fig 4

6. Take the small pieces of Mica Fire Barrier Tape and after removing the backing paper apply a piece around each Connector Insulation Tube longways so that it overlaps upon itself as shown in Fig 4.

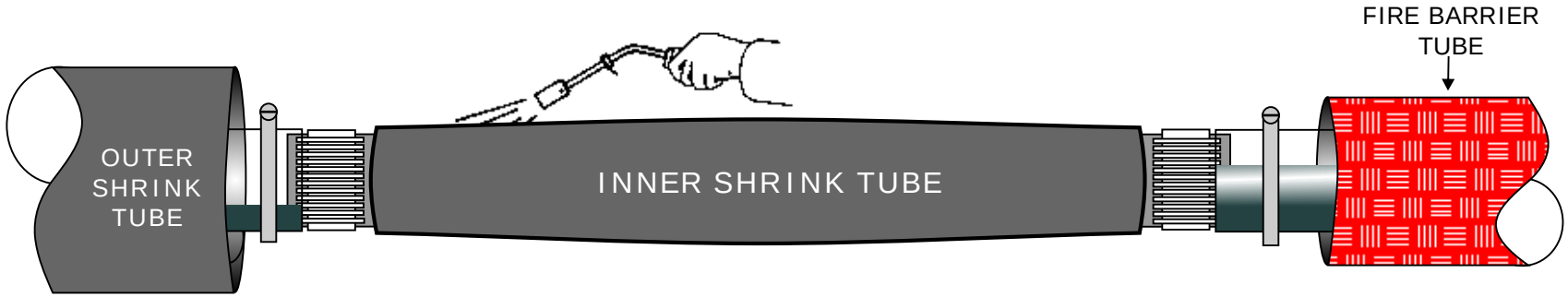

Fig 5

7. Clean and de-grease the Inner Cable Bedding before positioning the Inner Shrink Tube centrally so that it overlaps both Cable Beddings equally. Shrink the Tube in an even manner from the centre to one end at a time.

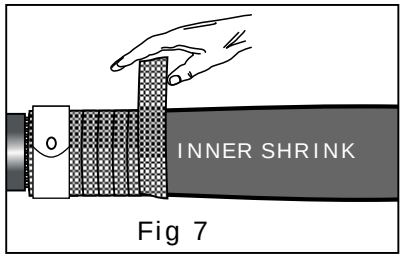

Fig 7

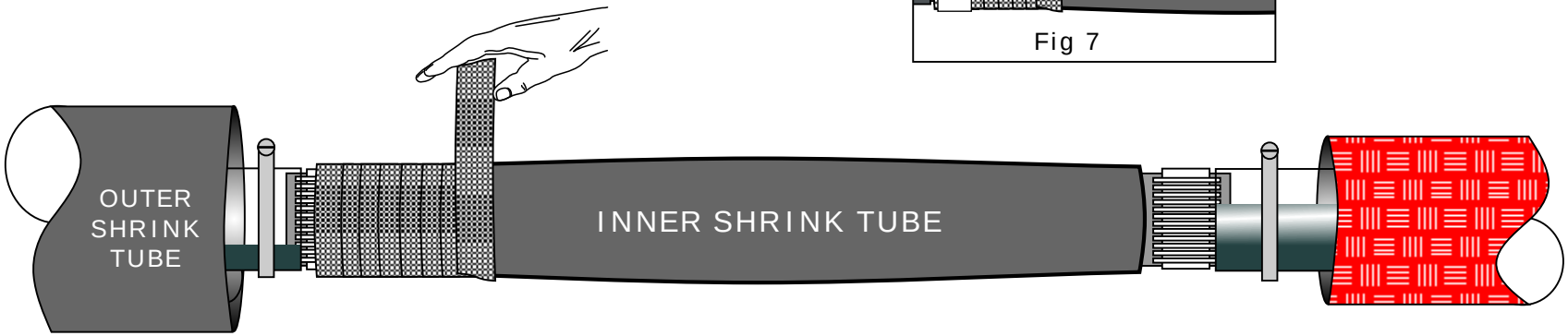

Fig 6

8. Wrap and apply two layers of the KM50 Tinned Copper Mesh around the joint gap with approx 50% overlap extending onto the Armours/Braided Screen at each side. Secure at each end with the Armour Clamps or Roll Springs (Fig 7).

Note:- Additional Earth Braid/s may need to be fitted along with the Copper Mesh for larger Conductor sizes.

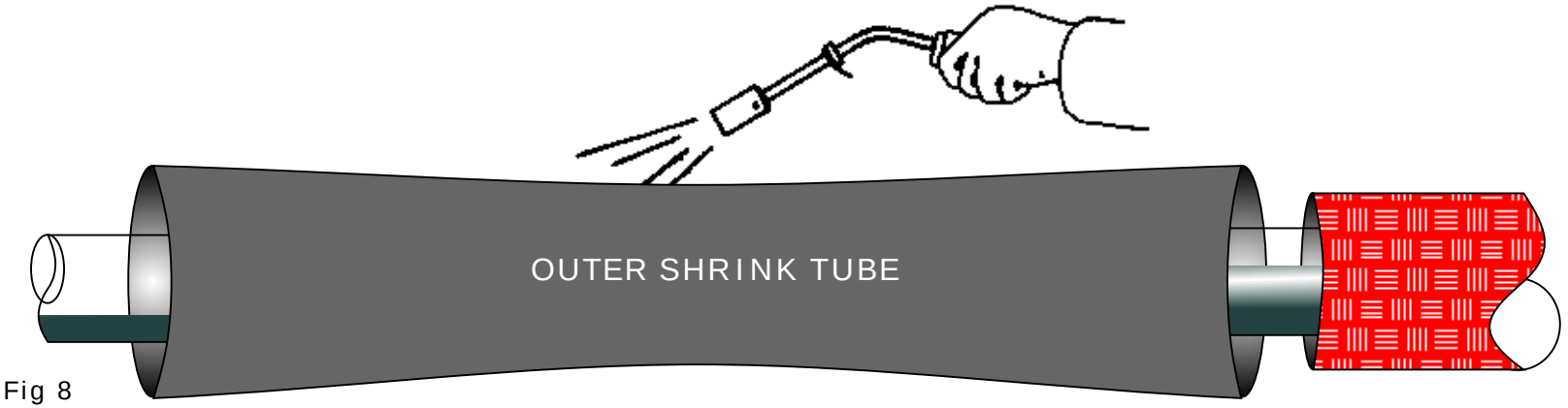

Fig 8

9. Centralise the 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.

Note:- On Joint size 240-400mm^2, two Outer Tubes are supplied which should overlap each other.

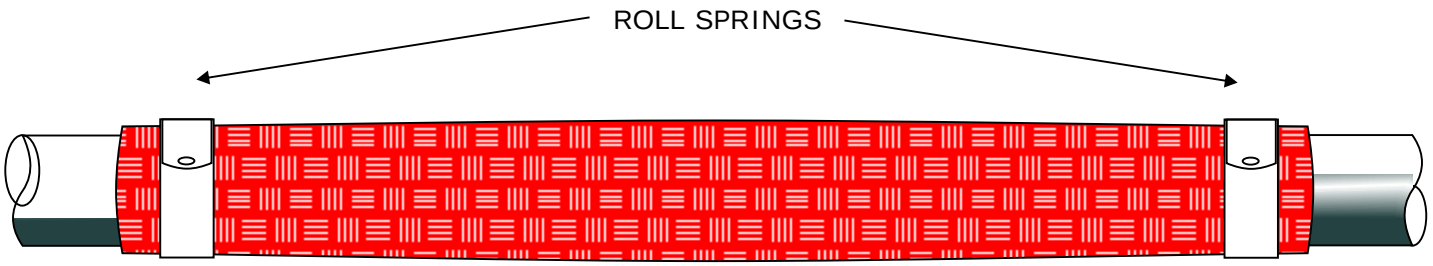

Fig 9

10. 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 9.

11. Allow the completed Joint to cool before applying any mechanical strain

IMPORTANT NOTICE TO PURCHASER:- Sellers and Manufacturere's only obligation shall be to replace such quantity of the product proved to be defective. Neither the Seller nor Manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use or inability to use the product. Before using, User shall determine the suitability of the product for his or her intended use and User assumes all risk and liability whatsoever in connection therewith.