

JOINTING INSTRUCTIONS

Preparation

Side A - Dimensions in Fig. 1

- Remove the cable overshath (but do not score the armour wire).
- Bend back the armour wire, remove the insulation, and cut the conductor wires.

Side B - Dimensions in Fig. 1

- Hack saw through the overshath and score the armour wire.
- Remove the overshath and armour wire.
- Cut back the overshath, remove the insulation, and cut the conductor wires.
- Place the support ring under the armour wire. (If the ring is loose, wrap around the insulation with tape.)
- If there is a gap on the cable side of the ring, between the insulation and the armour, fill using LLFA[®] Smooth or tape.

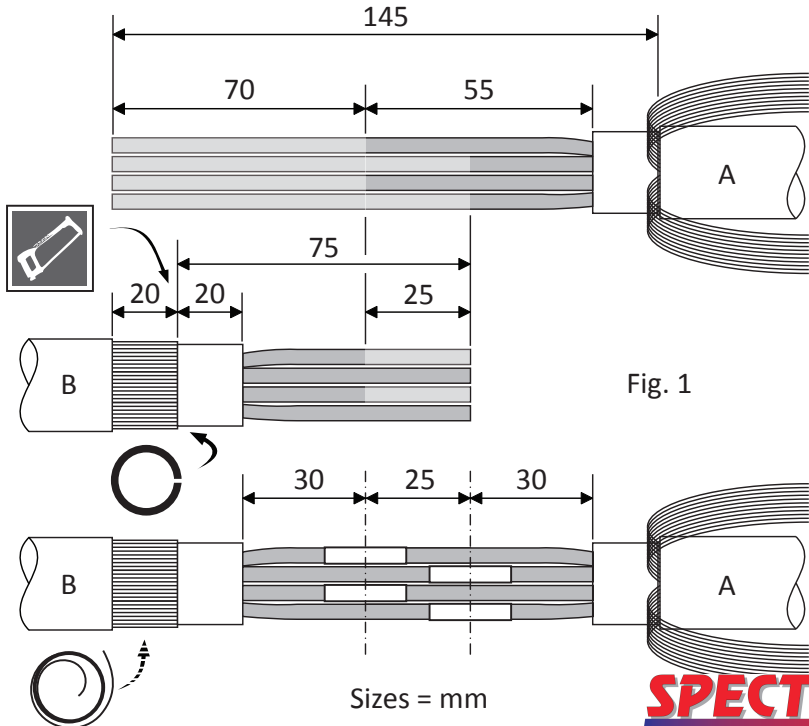


Fig. 1

Step 1 - Connect and insulate the conductor wires

- Connect conductors using the supplied connectors and an appropriate tool.
- Test the quality of the connection before proceeding.
- If un-insulated crimps are used, insulate using LLFA® Tape.

Step 2 - Bind the wires and restore the insulation

Position wires using LLFA® Smooth:

- Cut the supplied Smooth in half longitudinally. Use one half as a spacer, placed centrally between the conductors, and then squeeze each conductor into the Smooth.
- Using the other half of the Smooth, fill the voids to create an even finish.

Wrap LLFA® Tape from end to end:

- Wrap with 50% overlap.
- Wrap tight - apply as much tension as possible.
- Cover the exposed cable insulation on either end with at least 2 full turns.

Step 3 - Re-establish the wire armour / earth continuity

Bend the armour wire into position and hold it in place with a piece of vinyl / PVC tape.

- If the wire extends beyond the far side of the armour ring cut it to the correct length.
- Arrange the armour wire in a manner that will allow even coverage of the entire joint.

Wrap over the armour wire with copper mesh tape in a half lap fashion end to end.

- Use a constant force spring over the under-armour ring to secure the armour wire.
- Wrap over the copper mesh tape, end to end, with standard vinyl/PVC tape.

Step 4 - Re-establish the oversheath

Wrap with 2 layers of LLFA® Tape, starting and ending in the centre.

- Apply in a half lap fashion with maximum stretch on the first layer.
- Wrap over the cable jacket a minimum distance of 25mm.
- For abrasion resistance wrap with minimum stretch on successive layers. (However, apply enough tension to ensure that the tape is fusing evenly to the previous layer.)
- Pay attention to the ends – make sure that two layers are fully applied before wrapping back towards the centre.