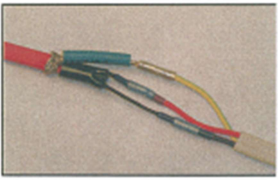
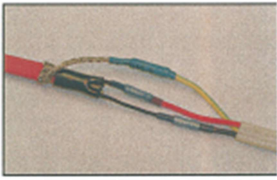
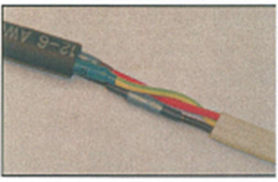
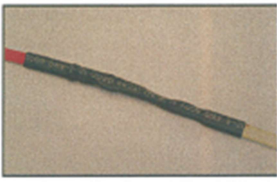


Technical Instruction

This instruction details how to connect cold-tail leads (mains feeds) to elements, and how to terminate the blind end of the heating cable for the following trace heating elements ranges.

- ◆ DEVI-Hotwatt
- ◆ DEVI-pipeguard
- ◆ DEVI-iceguard
- ◆ DEVI-industrial

Cold tail termination & power connection			
Step 1: - Heat Trace Cut tracer to desired length using pliers or side cutters.		Step 2: Strip back the outer insulation by 90mm, taking care not to cut the underlying braid.	
Step 3: Slide the braid down making a bulge at the base. Make an opening in the braid.		Step 4: Bend the tracer cable and work it through the hole in the braid, base first. Take care not to over bend the cable.	
Step 5: Twist the braid together. Remove 75mm of the inner sheath. Take care not to damage the conductor material underneath.		Step 6: Strip back 65mm of conductor using a blade or knife, shave down the outside of the conductor to expose the bus wires.	
Step 7: Cut away the conductor material. Cut one bus wire to 30mm from the conductor material to allow for staggered crimps.		Step 8: Slide the 22mm & 55mm small diameter heat shrink over the short & long bus wires respectively. Shrink down with a heat gun.	
Step 9: Position the 10mm ID x 30mm piece heat shrink tubing as shown so that it covers both the bus wires and the inner sheath.		Step 10: Shrink down and while still hot, squeeze together between the two bus wires with the long nose pliers.	
Step 11: - Power cable Strip back 65mm of the outer insulation of the power cable.		Step 12: Cut the neutral wire to 30mm long to allow for staggered crimps.	
Step 13: Strip back 8mm of insulation from the phase and neutral conductors and 10mm from the earth conductor.		Step 14: - Jointing Slide the 13mm ID x 200mm heat shrink tube over the tracer cable. Slide the green heat shrink tube over the earth braid.	
Step 15: Using a quality compression crimp tool, crimp bus wires and power cables together using the splice crimps. DO NOT over crimp.		Step 16: Shrink down the heat shrink on the splice crimps.	

Step 17: Trim earth braid back if required. Crimp the earth braid and earth conductor together using the 4mm ² bare crimp.		Step 18: Position the green heat shrink over the crimp and shrink down.	
Step 19: Now position the 13mm ID x 200mm heat shrink over the joint.		Step 20: Shrink heat shrink down completely, starting in the middle and working outwards. DO NOT over heat the joint.	
The cold tail power cable termination joint is now complete.			

1. Terminating the cable at the non-electrically connected end



11mm +/-1mm.

Strip the outer sheath insulation from the cable.



Remove the earth braid and ensure no wire extends beyond outer insulation.



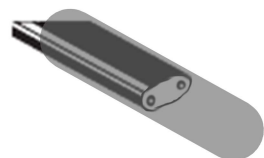
Slide cap over the prepared cable end ensuring that the tip of the cable penetrates to the end of the cap.



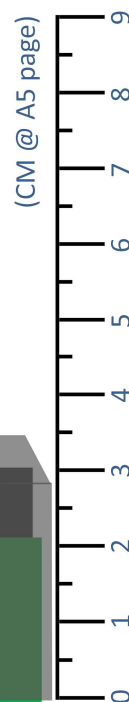
WARNING

Cap is to be heat shrunk sealed onto the end of the element. Do not cut end cap to shorten length. Specific care is to be taken to ensure the cap stays correctly positioned and that the cap does not split, puncture or perforate..

2. Terminating the cable at the electrically connected end



Element is to be electrically connected by the electrician. This cap is a temporary fitment to protect from moisture ingress. The electrician will strip the insulation at time of wiring therefore the end cap shall be fitted directly to an unprepared element end.



Required tools <ul style="list-style-type: none"> ■ Side cutter pliers ■ Box cutter ■ Crimp tool ■ Hot glue gun ■ Kit P/N nnnnnn 	Pre-connection electrical testing <ul style="list-style-type: none"> ■ Using a DC Ohm meter, check continuity of Earth ■ Using a 500V Insulation tester, check for minimum 1.0 Mega Ohm between Earth and Live between Earth and Neutral ■ DO NOT insulation test between Live and Neutral
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