

Vent-Axia®

BLUE THERMAL UNDER FLOOR HEATING CABLE SPLICING KIT INSTRUCTIONS

This splicing kit is for making up to 4 splices between blue thermal heating cable cold leads. Each kit contains the following parts:-

1. Crimp connectors for splicing of conductor and grounding conductor.
2. Inner heat shrink tubing for insulating conductor splice.
3. Outer heat shrink tubing for outer jacket.



Reflecting shield
For hot air gun.

Tools needed:

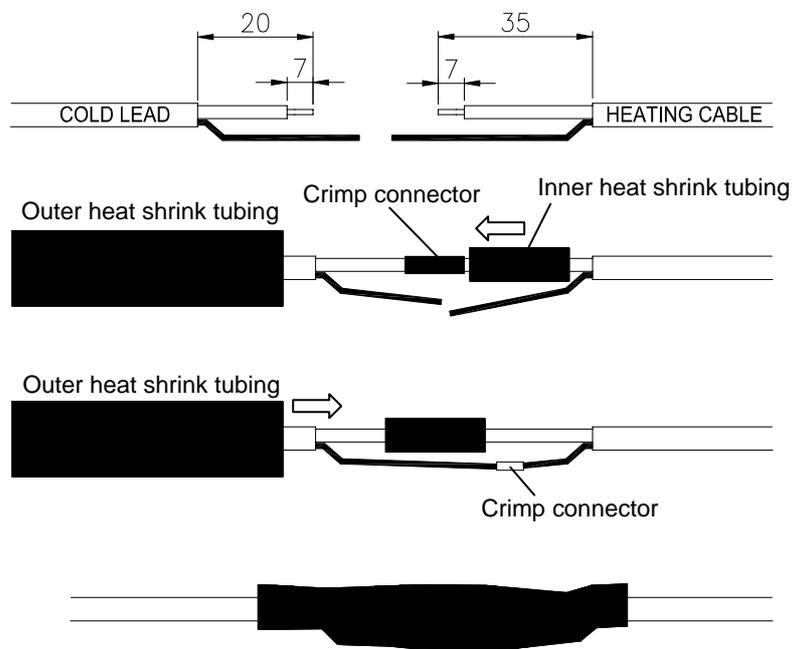
Crimp tool type DIN 46341.

Hot air gun with reflecting shield.

All measures in mm

Splicing:-

1. Cut and strip the ends of the heating cable as shown below, slide over the larger outer heat shrink tubing.
2. Crimp one end of the series crimp connector to the heating cable conductor, and slide the inner heat shrink tubing on to the conductor. Use the following crimp connectors:- **0.5-1.0mm² or 1.5-2.5mm² depending on the conductor diameter.**
3. Then finish the conductor splice and slide the inner heat shrink tubing over the crimp connector. Heat with hot air gun until tubing is completely shrunk and some excess liquid sealant can be seen at both ends. **Heat shrink tubing should not cover the metallic sheath of cable.**
4. Grounding conductor to be in parallel to resistance conductor. The ends are twisted together and spliced with the crimp connector. Use the following crimp connectors: **1.5-2.5mm²**
5. Let inner splice cool down 1 – 2 Minutes.
6. Slide the outer heat shrink tubing back over the splice and shrink down. Start from the center of the splice and work towards both ends. Make sure that heat is applied around the tubing and that overheating is avoided. If the tubing starts to get glossy, it is a sign of overheating. Stop heating when the outer tubing is tight and some excess sealant protrudes from both ends.
7. Allow finished splice to cool off for 5-10 minutes. Measure insulation resistance and continuity.



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For details of the warranty and returns procedure please refer to www.vent-axia.com or write to Vent-Axia Ltd, Fleming Way, Crawley, RH10 9YX