

## Heating cable repairs

Repairing heating cables are done by stripping the damaged part and sometimes by cutting it apart and replacing it with cold lead parts. The steps below must be repeated twice or as needed.

1. Locate the breakage along the heating cable and strip a sufficient length of cable for proper repair.



Figure 1

2. Strip 4 in. (100mm) of sheath and aluminium foil, 2 inches (50mm) on each side of breakage.



Figure 2

3. Cut heating wire so that the splices can be spaced from one another, and strip insulation from approximately  $\frac{1}{4}$  in. (6 mm)



Figure 3

4. Use appropriate heat shrink and the 3 splices.



Figure 4

5. Before crimping the splices, be sure to place and adjust the heat shrinks and all the necessary elements on correct position.

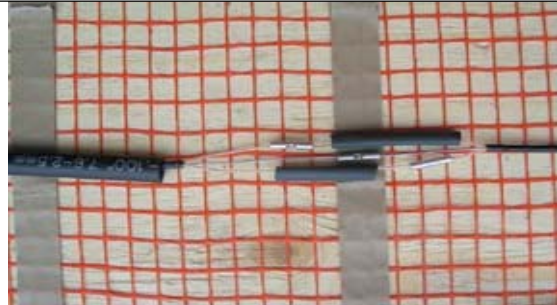


Figure 5

6. Crimp the splices with the Panduit CT-200 crimping tool. Verify the electric resistance of the wire by moving a little the connection to note bad contact. Note the resistance.



Figure 6

7. Cover the splices with the heat shrink and heat them with a proper heat source. Make sure that you avoid burning the heat shrink.



Figure 6

8. Insulate the repaired part of the cable by using the external heat shrink of 6 inches (150mm) and heat it.



Figure 7

9. The repaired part can be covered with floor covering. Verify electric continuity before and after the installation of the floor covering.