

BN Thermic Ltd 34 Stephenson Way Three Bridges, Crawley, West Sussex RH10 1TN England

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Installation instructions for CRJ-T1 Termination kit

All terminations and connections must be completed by a qualified electrician and carried out in accordance with current regulations.

This CRJ-T1 termination kit is intended to be used with all BN Thermic CRJ and CRJM Self Regulating Cable. This kit includes all the parts required to terminate both ends of a single piece of cable. If you wish to join two lengths of cable or T join another piece of cable you will also require a CRJ-S Splice / T Joint Kit for each join or T joint you wish to make. Please make sure you do not exceed the maximum length for each type of cable as shown in the cable instruction leaflet.

Termination Kit

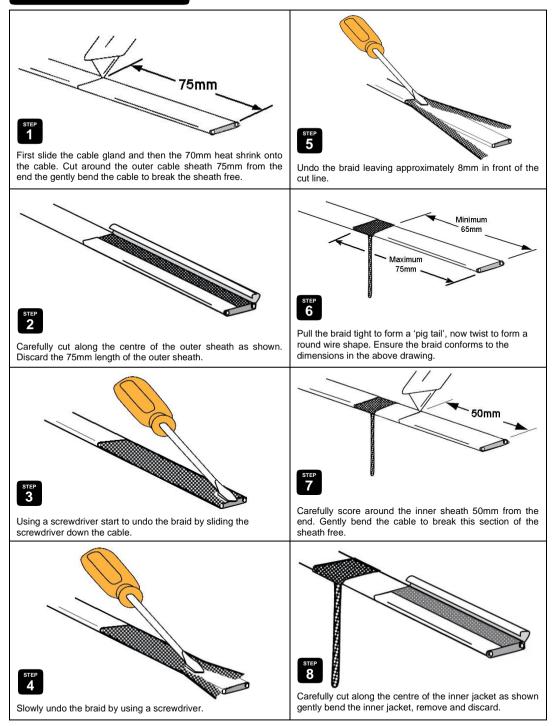
CRJ T1 kit contains:

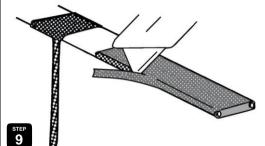
- 1 Grey cable gland 20mm
- 1 Red 40mm x 3.2mm dia heat shrink
- 1 Blue 40mm x 3.2mm dia heat shrink
- 1 Green / yellow 65mm x 3.2mm dia heat shrink
- 1 Black 70mm x 16.4mm dia heat shrink
- 1 Black 50mm x 16.4mm dia heat shrink
- 1 Black 35mm x 16.4mm dia heat shrink
- 2 Insulated barrel connectors
- 1 Warning label

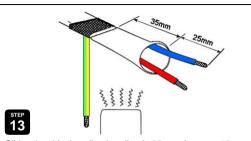
Sharp knife Side cutters Long nose pliers Small screwdriver Heat gun Crimp tool Spanner

Tools required

Preparation for termination

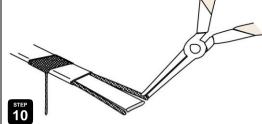




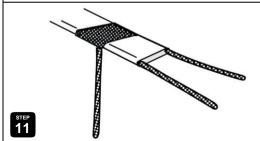


Slide the black adhesive lined 35mm long x 16mm diameter heat shrink over the cable leaving 25mm of the red and blue wires showing. Have on hand the long nose pliers. Using the heat gun shrink this sleeve.

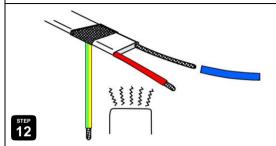
the outside, expose the conductors (Buss wires).



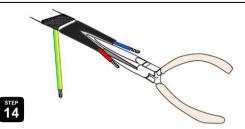
Starting from the ends pull each Buss wire away from the inner core material.



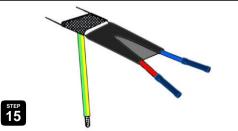
Remove and discard the inner core material leaving the two bare Buss wires exposed.



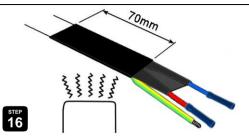
Slide the red 40mm long x 3mm diameter heat shrink over one of the exposed Buss wires and using a suitable heat shrink gun shrink into place. Repeat using the blue sleeve on the other exposed wire. Slide the green/yellow sleeve over the earth wire and shrink into position.



As the heat shrink reduces down immediately squeeze the overhung portion with the pliers for 20 seconds to form a fork like arrangement. (The heat shrink has an inner glue like material to ensure good adhesion.)



Crimp, using a suitable tool, the two insulated barrel connectors to the conductors to allow connection to the power feed cable.

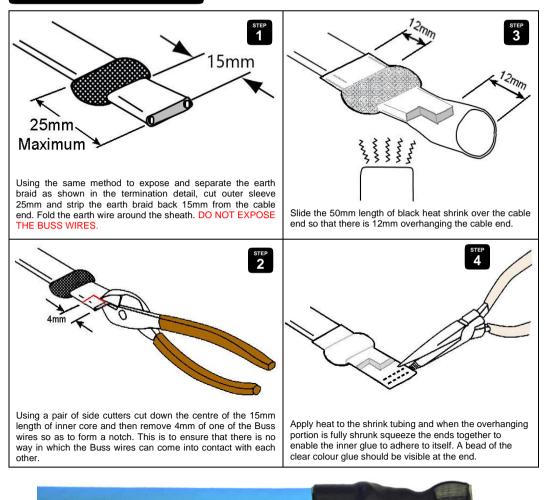


Slide the 70mm length back over the terminated section including the green/yellow covered earth wire to the base of the forked conductors and shrink into place. Finally slide the gland over the assembly in preparation for connection into a suitable junction box. Tighten the cable gland.



Picture showing completed Termination End

Remote / Far End Preparation



Picture showing completed Remote / Far End.



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