

KSR-CFK

Circuit Fabrication Kit

KSR Snow Melting Cable

For use with Thermon KSR heating cables.



INSTALLATION PROCEDURES



KSR-CFK

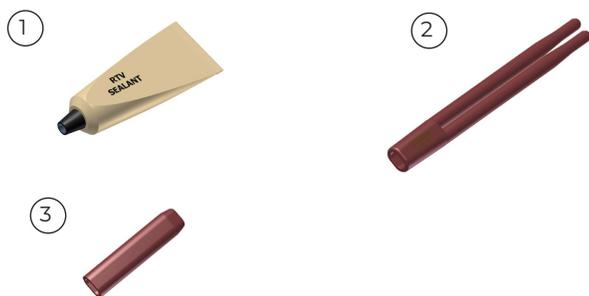
The following installation procedures are suggested guidelines for the installation of termination connection systems. They are not intended to preclude the use of other methods and good engineering or field construction practices.

Receiving, Storing and Handling

1. Inspect materials for damage incurred during shipping.
2. Report damages to the carrier for settlement.
3. Identify parts against the packing list to ensure the proper type and quantity has been received.
4. Store in a dry location.

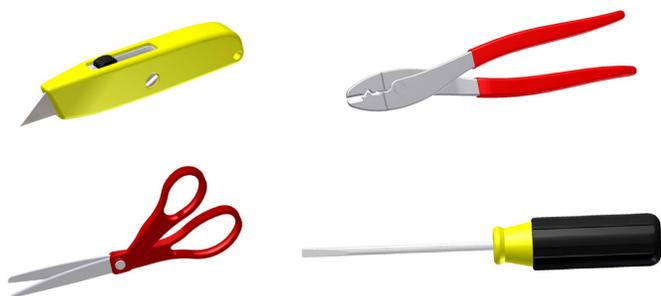
KSR-CFK Power and End Termination Kit (per cable)

Kit Contents



Item	Quantity	Description
1	1	RTV Tube
2	1	Power Connection Boot
3	1	End Cap

Tools Required



Installation Precautions

- To minimize the potential for arcing and fire caused by product damage or improper installation use ground-fault protection. The National Electrical Code (NEC) and Canadian Electrical Code (CEC) require ground-fault protection of equipment for each branch circuit supplying electric heat tracing.
- Installation must comply with Thermon requirements and be installed in accordance with the NEC, CEC, or any other applicable national and local codes.
- Power connections and end termination must be located in NEMA 4 or 4X enclosures (Thermon KSR-JB or UL Listed equivalent) located above moisture line.
- De-energize all power sources before opening enclosure.
- Keep ends of heating cable and kit components dry before and during installation.
- Component approvals and performance ratings are based on the use of Thermon specified parts only.
- The kit instructions should be used in conjunction with the installation instructions for the heating cable and other accessory items.



Canadian Standard Association
Certified Snow Melting Equipment
for Applications Having a Type
Designation of 2B

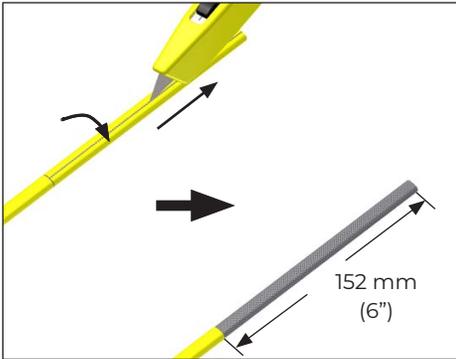


Underwriters Laboratories Inc.
5N23 De-Icing and Snow Melting
Equipment (KOBQ)



INSTALLATION PROCEDURES

Power Connection Instructions

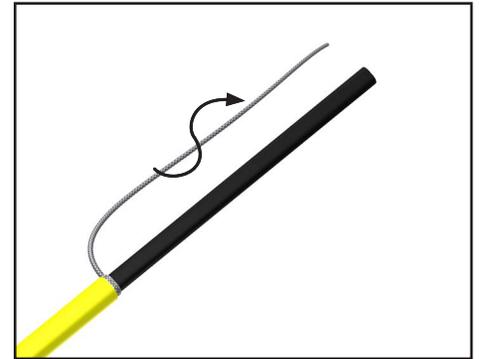


1. Cut and remove heating cable overjacket as shown.

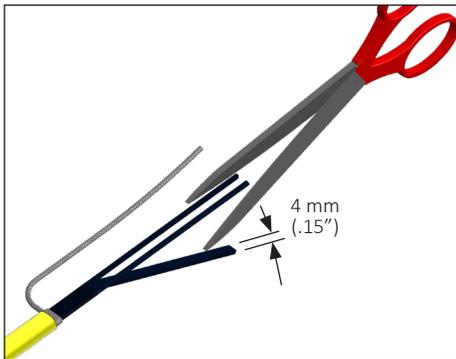
 **Do not cut metallic braid.**



2. Separate braid strands at edge of overjacket and pull cable through opening in braid.

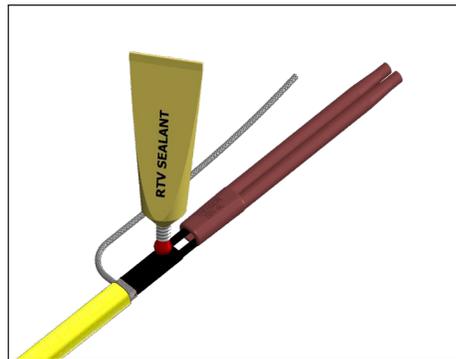


3. Twist braid into a pigtail. Trim ends of braid.

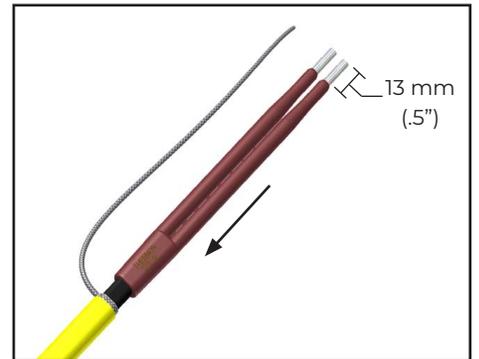


4. Cut a 4 mm (.15") strip of conductive matrix between the conductors.

 **Do not cut bus wire strands.**

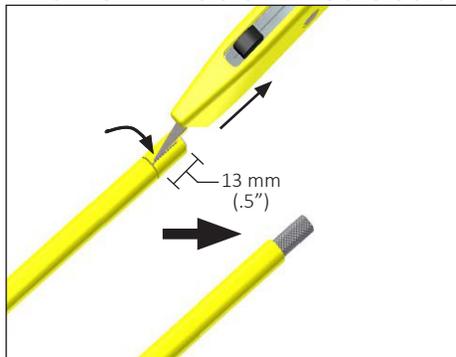


5. Apply RTV sealant to cable to cover distance of at least 4 mm (1/8") and slide boot onto the end of the cable.

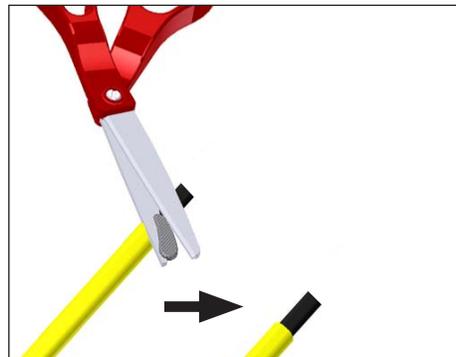


6. Slide boot onto the end of the cable.

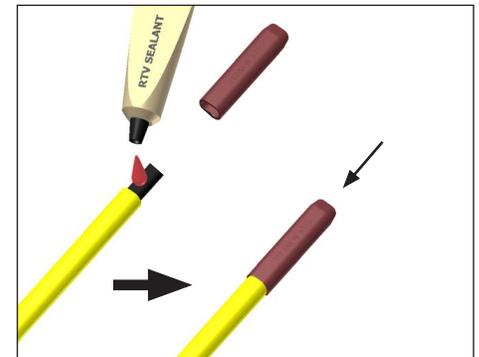
End Termination Instructions



1. Cut and remove heating cable overjacket.

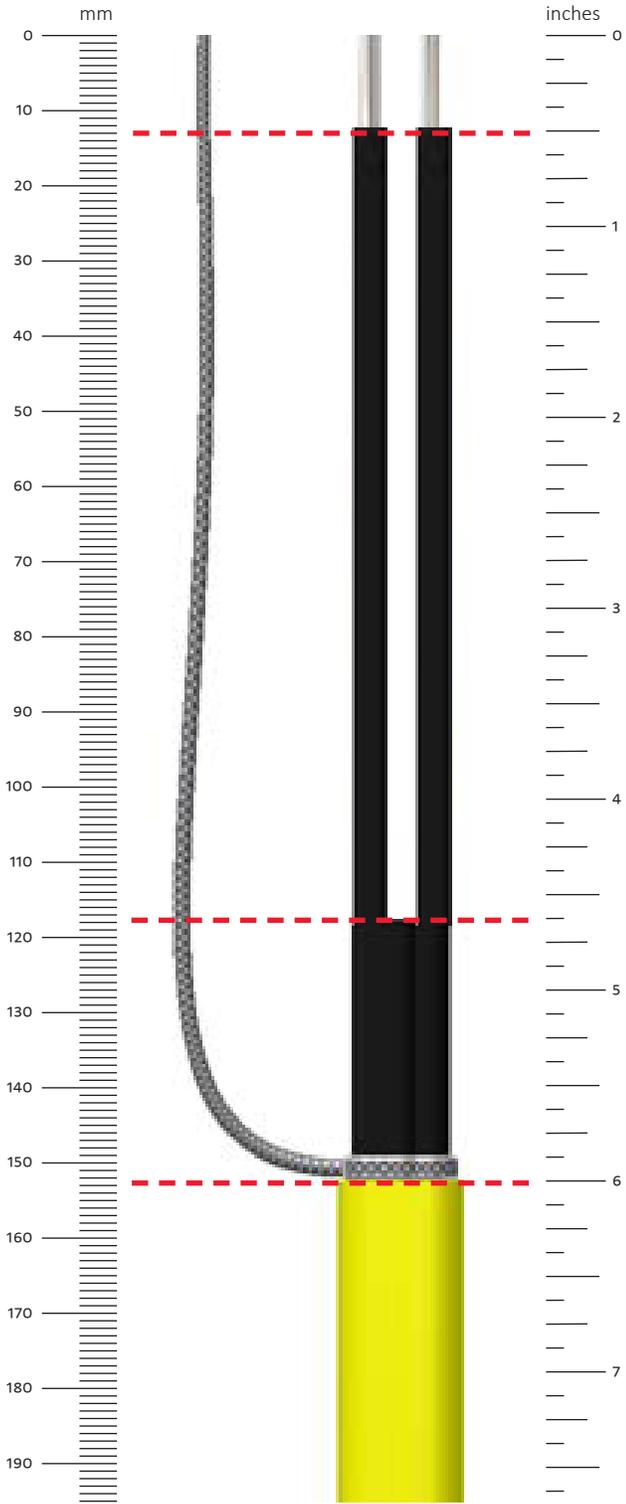


2. Trim away exposed braid from cable.

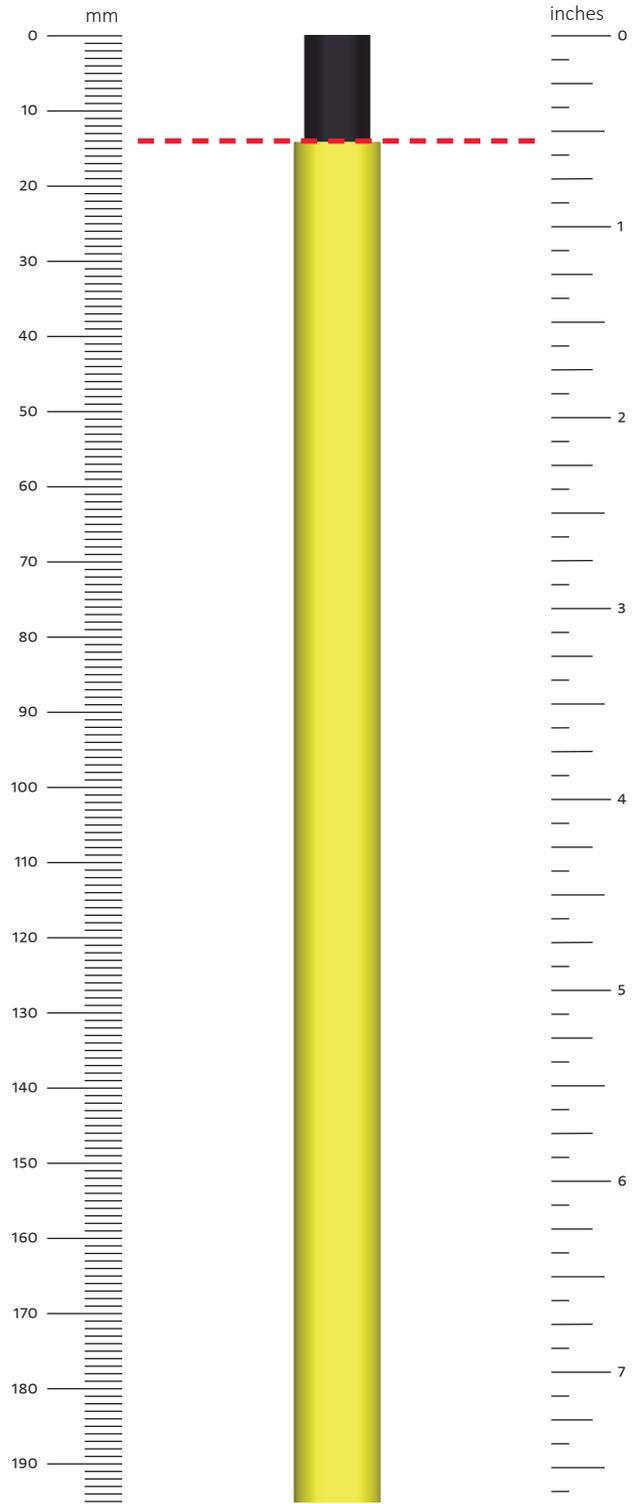


3. Fill the end cap with RTV sealant and apply a circumferential bead to cable [minimum of 3 mm (0.12") wide]. Slide end cap onto end of cable.

Cable Take-Off



For Power Connection Boot Termination



For End Cap Termination

NOTE:
Images may not be printed to scale.



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