

# TBX-4LC

## Power Connection Boot Kit

### INSTALLATION PROCEDURES

Power connection of HTSX, KSX, KSR, USX  
self-regulating, HPT power-limiting, and  
FP constant watt heating cables



# TBX-4LC

The TBX-4LC Boot Kit is used for power connection of HTSX, KSX, KSR, USX self-regulating, HPT power-limiting, and FP constant watt heating cables..

## 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.

## Kit Contents



Item	Quantity	Description
1	1	Power Connection Boots
2	1	RTV Tube

## 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.
- Component approvals and performance ratings are based on the use of Thermon specified parts only.
- De-energize all power sources before opening enclosure.
- Keep ends of heating cable and kit components dry before and during installation.
- Individuals installing these products are responsible for complying with all applicable safety and health guidelines. Proper Personal Protective Equipment (PPE) should be utilized during installation. Contact Thermon if you have any additional questions.

## Certifications/Approvals



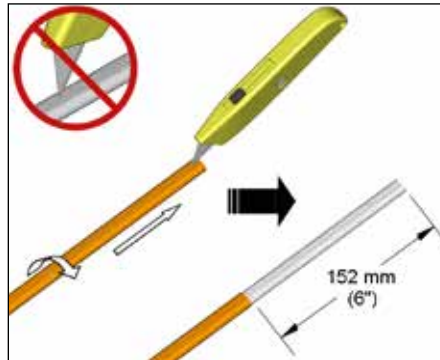
Listed De-Icing and Snow-Melting Equipment 5N23.  
See heating cable installation procedures for additional information.



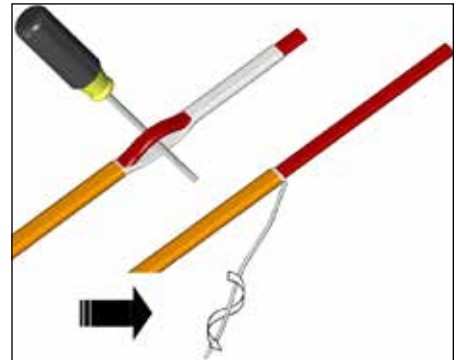
## Installation Instructions for HTSX, KSX, KSR, USX



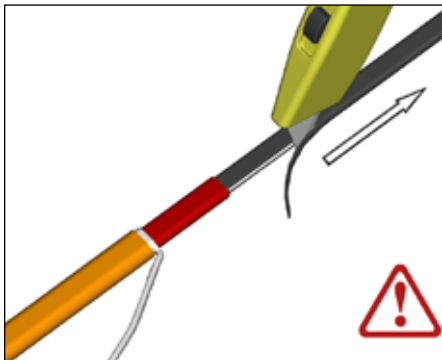
**A1.** Cut off end of cable.



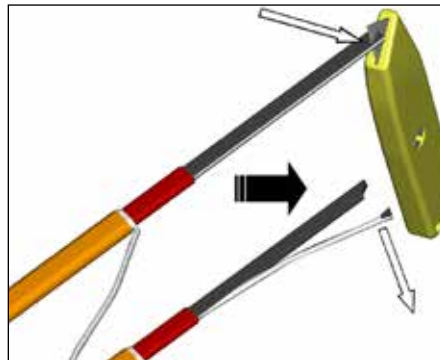
**A2.** Cut and remove overjacket. Do not cut metallic braid.



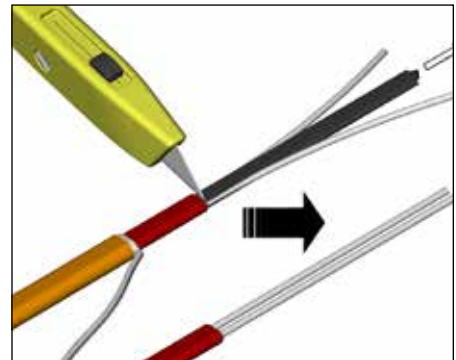
**A3.** Separate braid strands and pull cable through opening in braid. Twist braid into a pigtail. Trim ends of braid.



**A4.** Skive outside edges of black matrix. Do not cut bus wire strands.

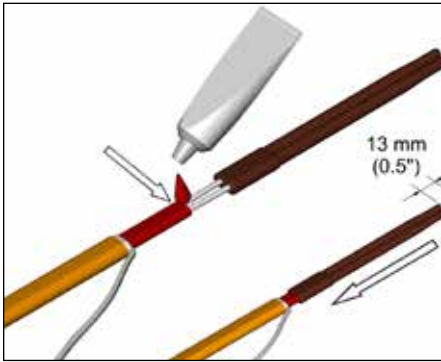


**A5.** Cut V-notch in matrix and pull bus wires from matrix.



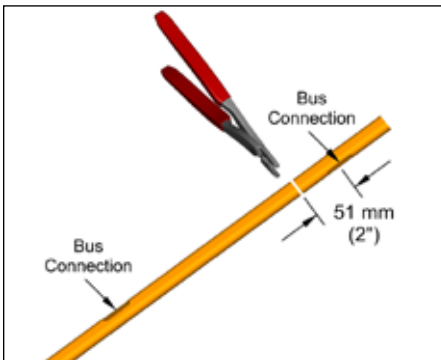
**A6.** Cut and remove remaining center core of matrix.

# INSTALLATION PROCEDURES

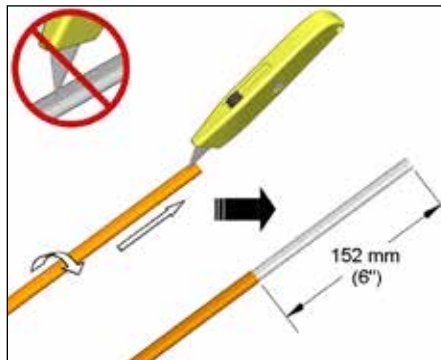


**A6.** Apply RTV sealant to cable to cover distance of at least 3 mm and slide boot onto the end of the cable.

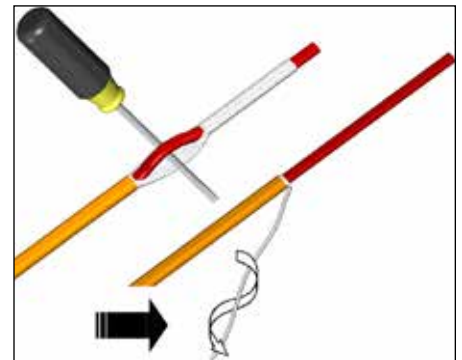
## Installation Instructions for HPT, FP



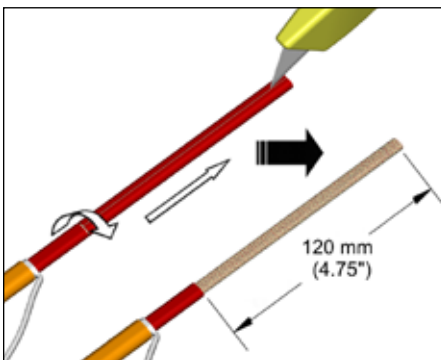
**B1.** Locate the last bus connection. Cut cable 2" back from center of bus connection.



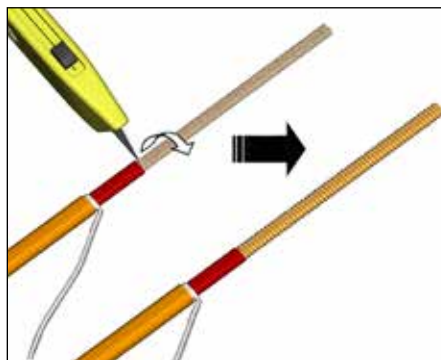
**B2.** Cut and remove overjacket, if applicable. Do not cut metallic braid.



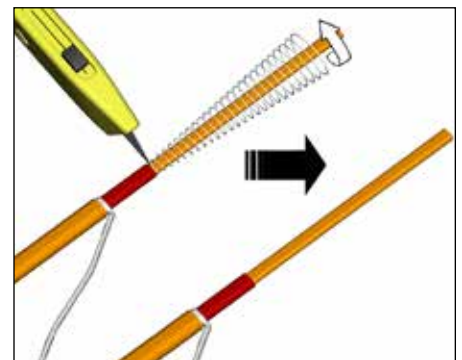
**B3.** Separate braid strands and pull cable through opening in braid. Twist braid into a pigtail. Trim ends of braid.



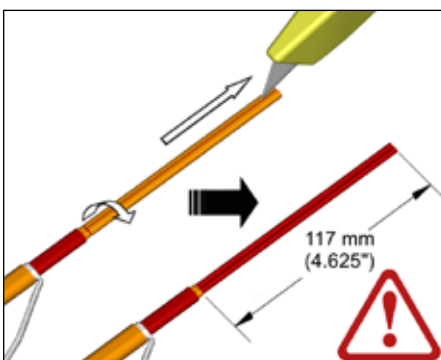
**B4.** Cut and remove primary insulation jacket.



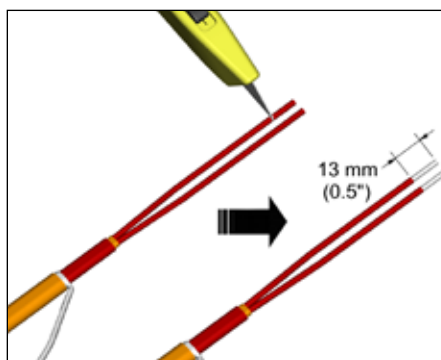
**B5.** Cut and remove fiberglass braid. Omit this step for FP cable.



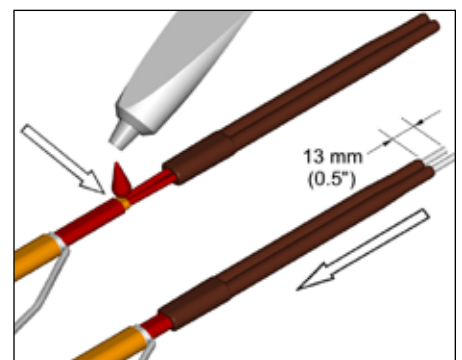
**B6.** Cut and remove heating element and fiberglass overlay. Push any remaining heating element wire under the primary insulation jacket.



**B7.** Cut and remove pairing jacket. Do not cut bus wire insulation.



**B8.** Remove insulation from ends of bus wires.

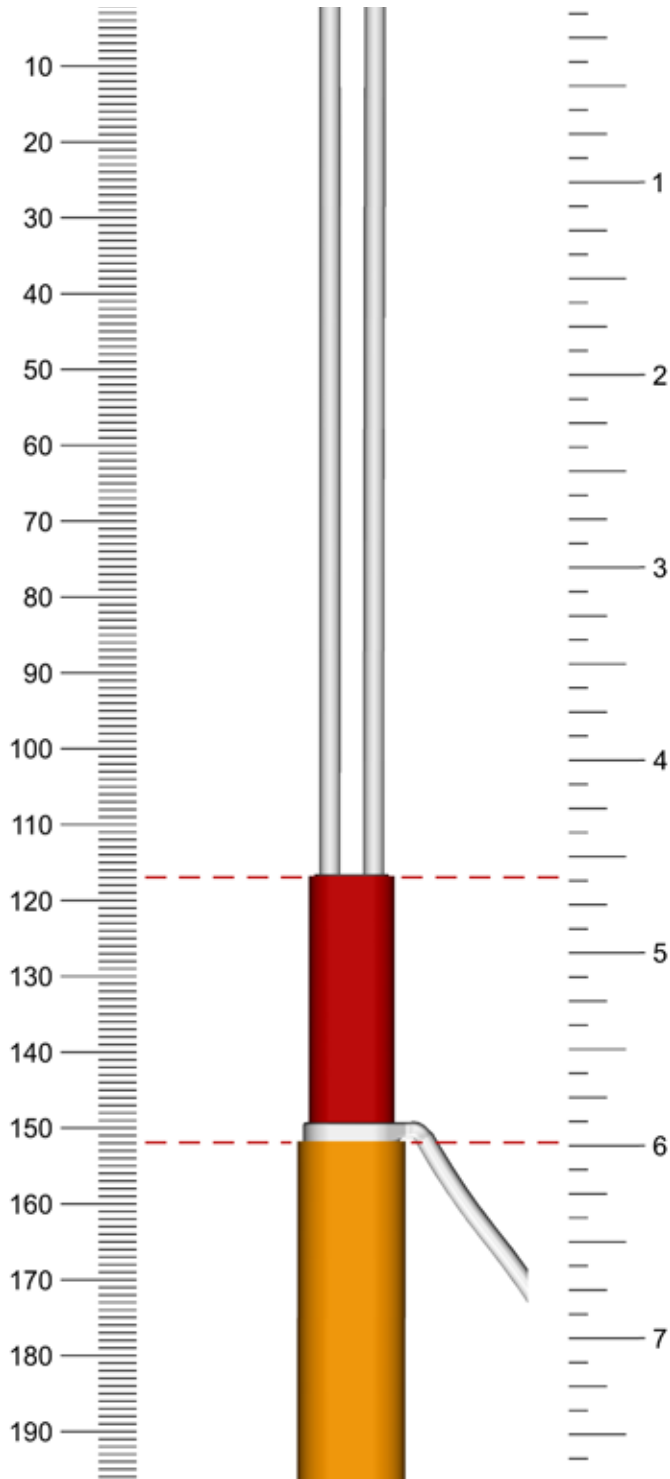


**B9.** Apply RTV sealant to cable to cover distance of at least 3mm and slide boot onto the end of the cable.

# TBX-4LC

# INSTALLATION PROCEDURES

Cable Take-off for HTSX, KSX, KSR, USX



Cable Take-off for HPT, FP

