

SCTK

Splice Connection Termination Kit

INSTALLATION PROCEDURES

- SCTK-1** for BSX, RSX, VSX-HT
- SCTK-2** for KSX, HTSX, USX
- SCTK-3** for HPT, FP

To be used in conjunction with
Thermon connection kits

Made in the USA



SCTK

The following installation procedures are guidelines for the installation of the Splice Connection Termination Kit. For translations other than English and local language translation provided here, please contact Thermon. The English language installation procedure shall govern.

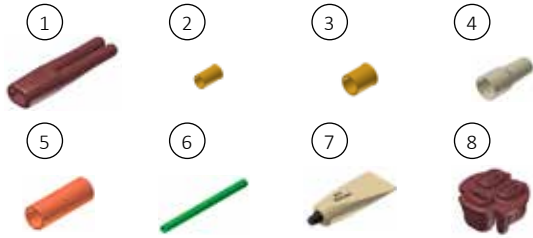
Receiving, Storing and Handling

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.

Splice Connection Termination Kits (per cable)

SCTK-1	for BSX, RSX, VSX-HT
SCTK-2	for KSX, HTSX, USX
SCTK-3	for HPT, FP

Kit Contents



Item	Quantity	Description
1	2	Splice Connection Boots
2	2	Small Crimps
3	1	Large Crimp
4	2	Small Crimp Insulators
5	2	Silicone Caps
6	3	Ground Sleeves (not used with ZE-B Kits)
7	1	RTV Tube
8	1	GRW-G (FP and HPT only)

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.

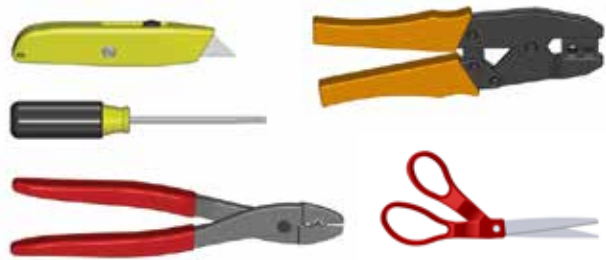
SCTK Certifications/Approvals¹



Note:

1. These sets have been evaluated as components of Thermon's FM Approved connection kits, such that the area use ratings depend on the rating of the connection kits.

Tools Required



INSTALLATION PROCEDURES

IMPORTANT!

Heating cable must be properly installed within expediter assembly and mounted to pipe prior to terminating with SCTK kit.

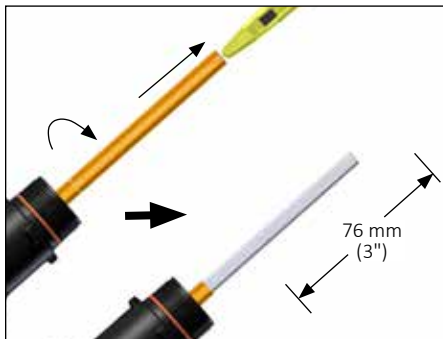
See Terminator Installation Instructions for expediter mounting details.




Terminator: Route cable through base entry and mount expediter to pipe using pipe band. **Do not band over cable.**

Note: For HPT and FP cable exchange grommet in Terminator with GRW-G provided in SCTK-3D.

Step 1: Remove Heating Cable Overjacket and Separate Metallic Braid to Form Pigtail

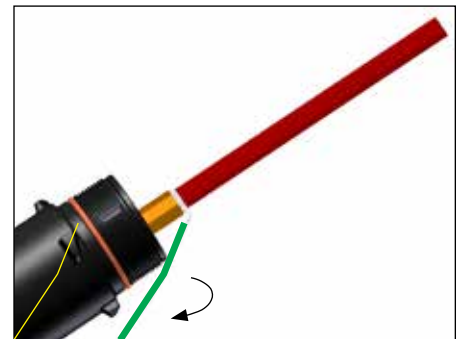


1a. Cut and remove heating cable overjacket.

 **Do not cut metallic braid.**

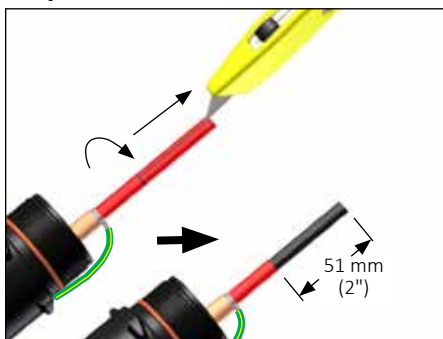


1b. Separate braid strands at edge of overjacket and pull cable through opening in braid.

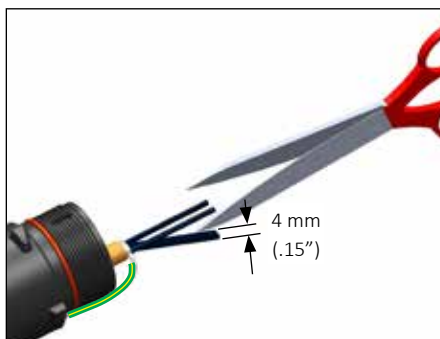


1c. Twist braid into a pigtail. Trim ends of braid and apply ground sleeve.

Step 2: Matrix Removal for BSX, RSX, HTSX, KSX, USX, and VSX-HT Cables

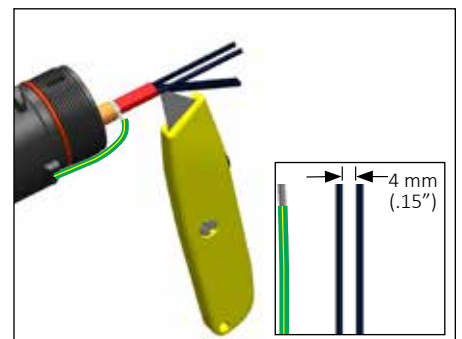


2a. Cut and remove primary insulation jacket (BSX and RSX cables only).



2b. Cut a 4 mm strip of conductive matrix between the conductors.

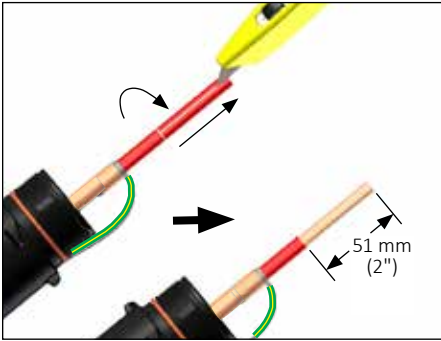
 **Do not cut bus wire strands.**



2c. Cut and remove the 4 mm matrix strip.

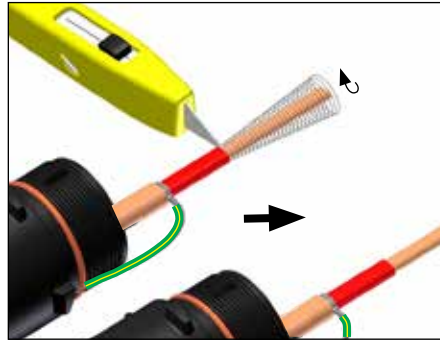
SCTK

Step 2: Heating Element Removal for HPT and FP Cables

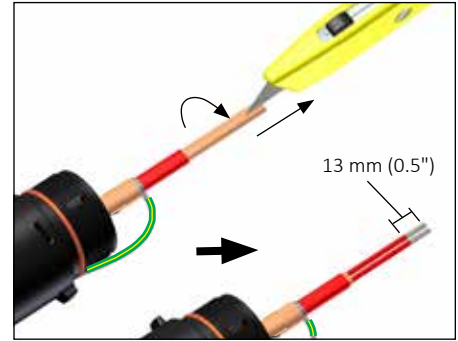


2a. Cut and remove primary insulation jacket.


NOTE: Bus connection must be no more than 50 mm (2") from pipe as addressed in connection kit instructions.



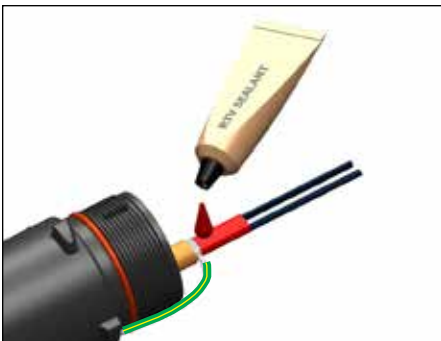
2b. Cut and remove fiberglass overlay and heating element. Push any remaining heating element wire under the primary insulation jacket.



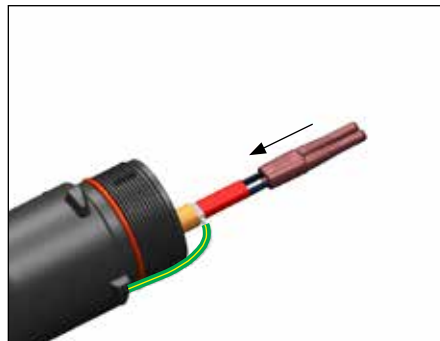
2c. Cut and remove pairing jacket. Remove insulation from ends of bus wires.

 **Do not cut bus wire insulation.**

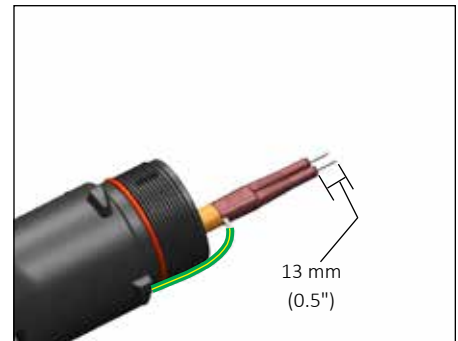
Step 3: Install Power Boot on Heating Cables



3a. Apply a liberal amount of RTV sealant to cable.



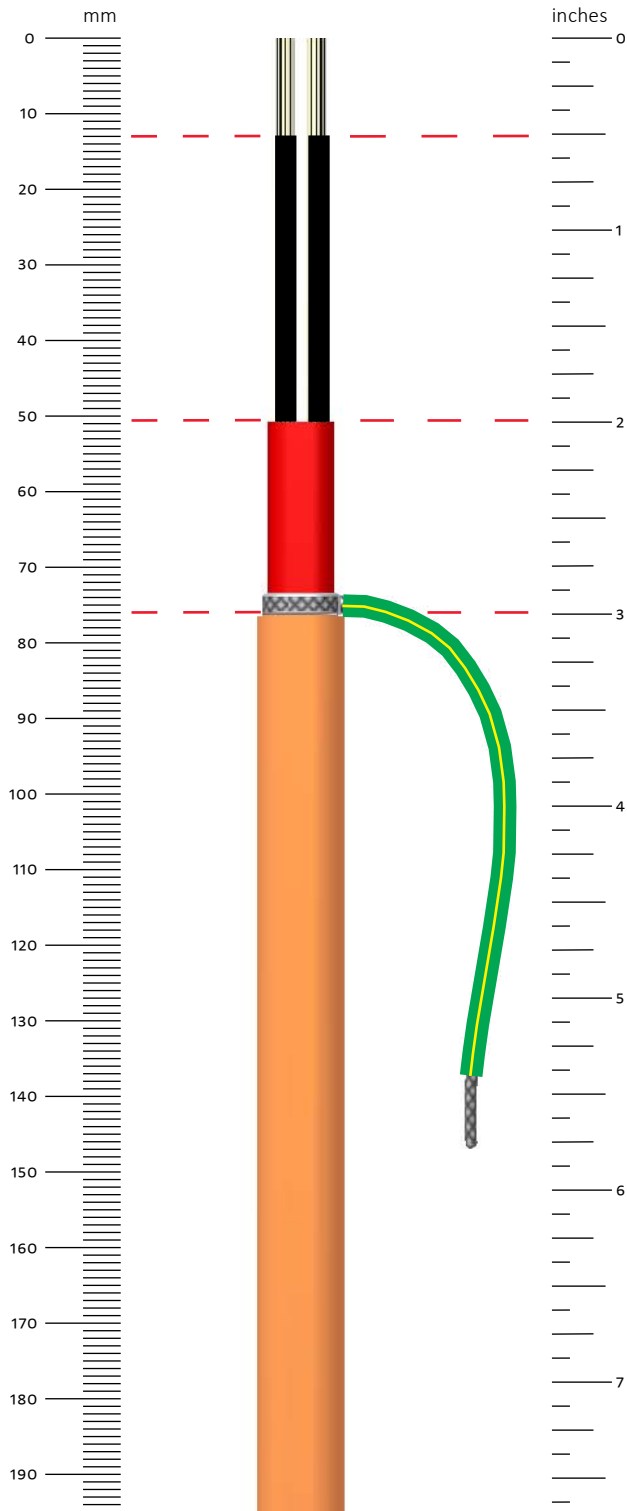
3b. Slide boot onto the end of the cable.



3c. Expose 13 mm (0.5") of bus wire.

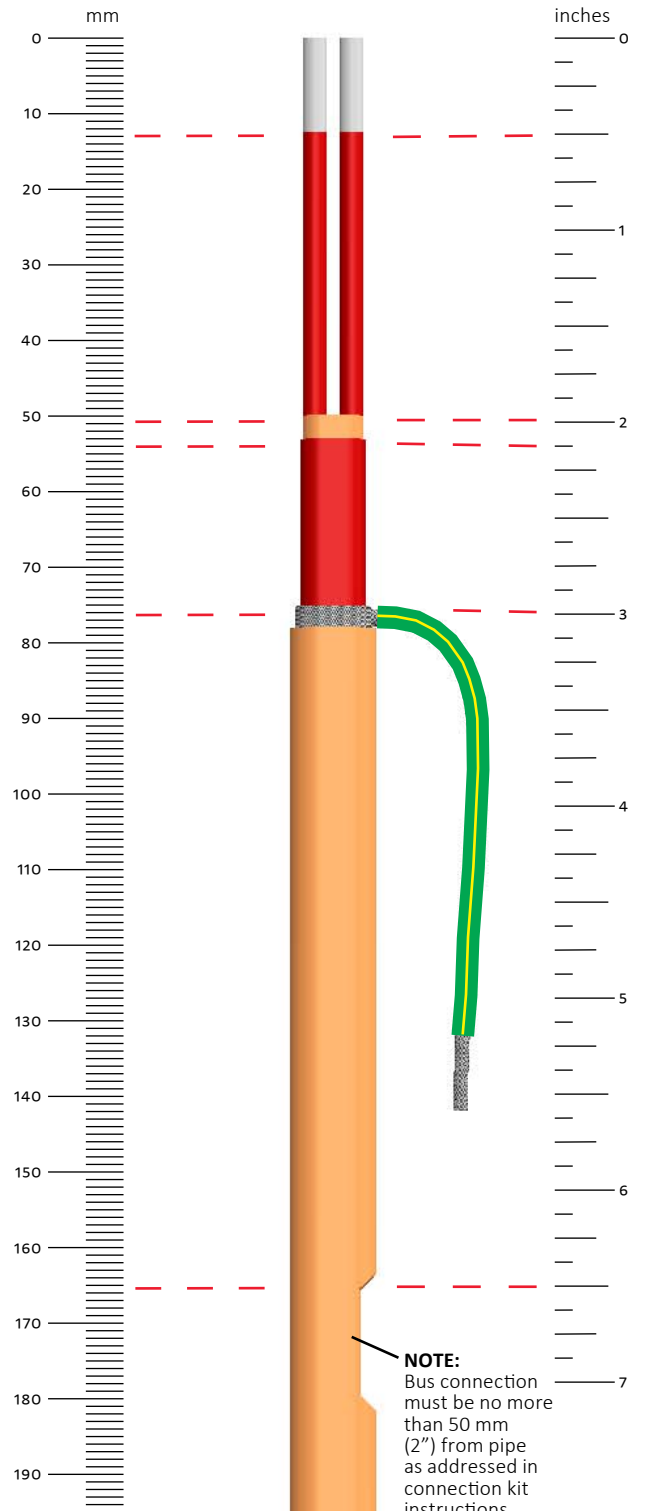
INSTALLATION PROCEDURES

Cable Take-off for BSX, RSX, HTSX, KSX, USX, and VSX-HT



For Power Connection Boot Termination

Cable Take-off for HPT and FP



NOTE:
Bus connection must be no more than 50 mm (2") from pipe as addressed in connection kit instructions.

For Power Connection Boot Termination

NOTE: Images may not be printed to scale.

