

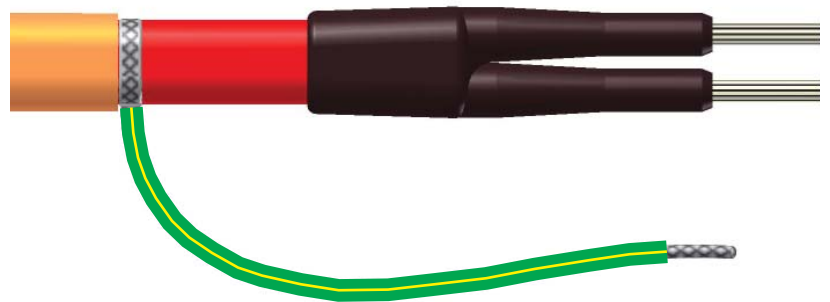
SCTK

Splice Connection Termination Kit

INSTALLATION PROCEDURES

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

To be used in conjunction with
Thermon Connection kits



The Heat Tracing Specialists®

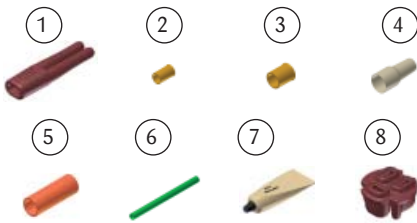
Receiving, Storing and Handling . . .

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
SCTK-2	for KSX, HTSX
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)

Warnings . . .

- Due to the risk of electrical shock, arcing and fire caused by product damage or improper usage, installation or maintenance, a ground-fault protection device is required.
- Installation must comply with Thermon requirements (including form PN 50207U for Ex systems) and be installed in accordance with the regulations as per the norm EN IEC 60079-14 for hazardous areas (where applicable), 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.
- Minimum bending radius of heating cable is 32 mm (except HPT is 57 mm and FP is 19 mm).
- 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 . . .



FMG 10.0022X Ex eb IIC T4-T6, Ex tb IIIC T135°C-T85°C



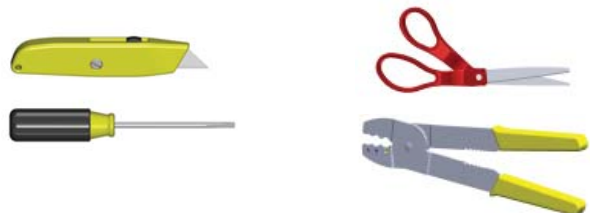
1725 Ex II 2 GD Ex eb IIC T4-T6, Ex tb IIIC T135°C-T85°C, FM 10ATEX0058X



Note:

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

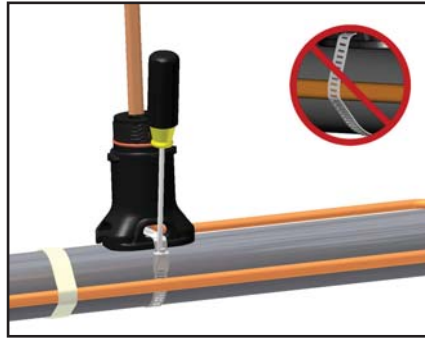
Tools Required . . .



IMPORTANT!

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

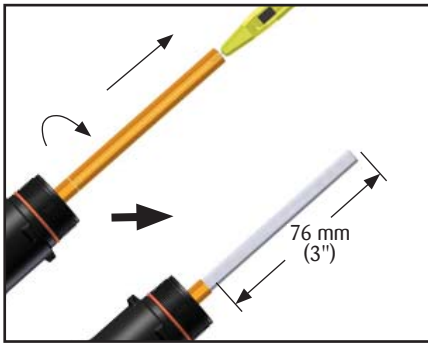
See Terminator Installation Instructions for expediter mounting details.



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-3.

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

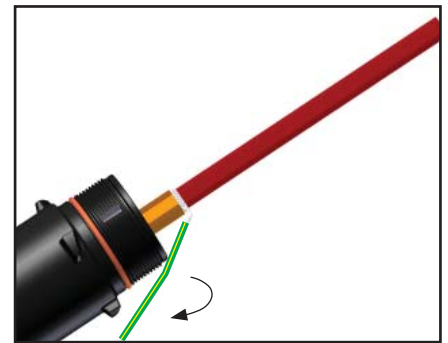


1a. Cut and remove heating cable overjacket.

 **Do not cut metallic braid.**

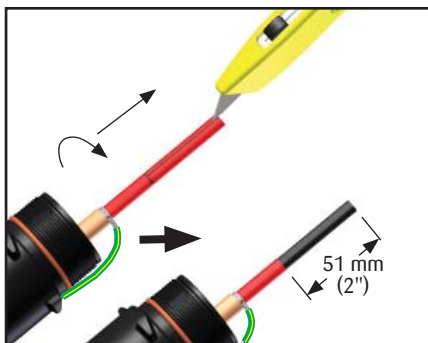


1b. Separate braid strands at edge of overjacket and pull cable through opening in braid.

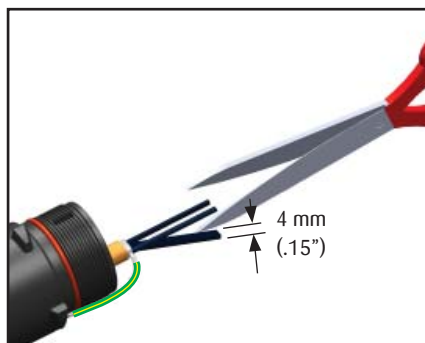


1c. Twist braid into a pigtail. Trim ends of braid and apply ground sleeve.

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

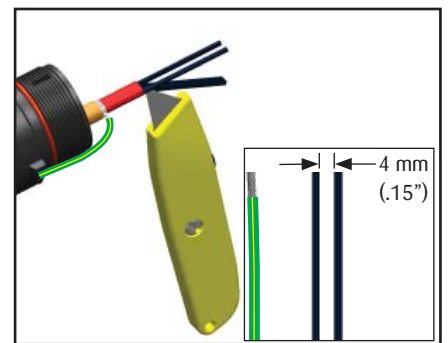


2a. Cut and remove primary insulation jacket (BSX and RSX cables only).



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

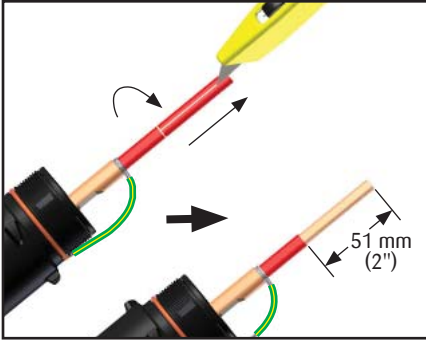
 **Do not cut bus wire strands.**



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

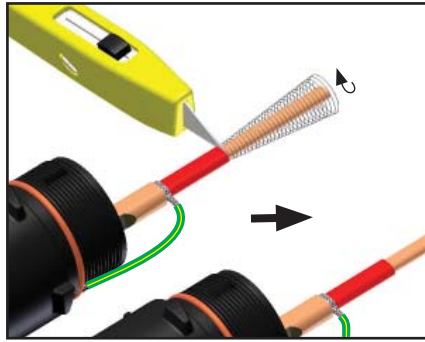


Step 2: Heating Element Removal for HPT and FP Cables

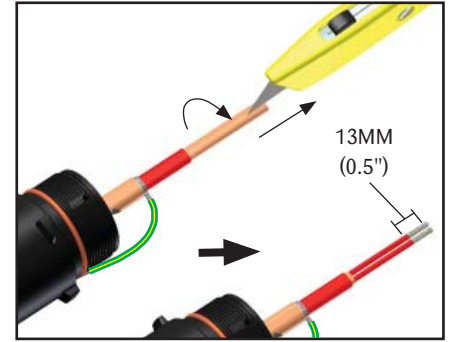


2a. Cut and remove primary insulation jacket.

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.

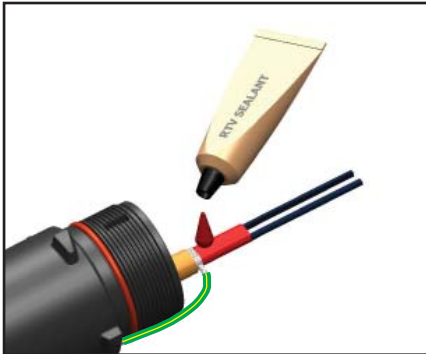


2c. Cut and remove pairing jacket. Remove insulation from ends of bus wires.

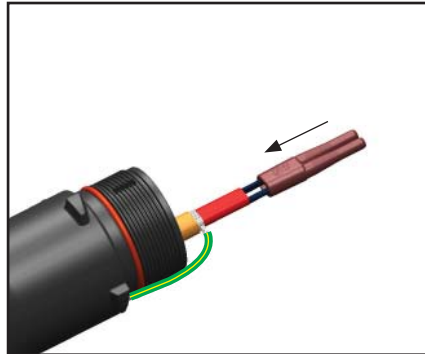


Do not cut bus wire insulation.

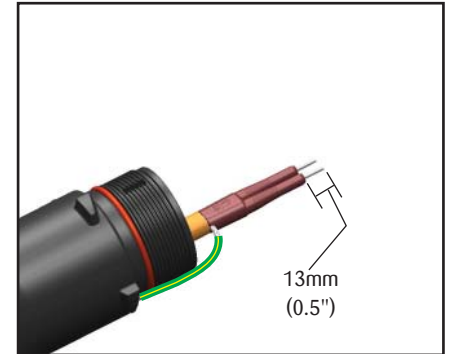
Step 3: Install Power Boot on Heating Cables



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

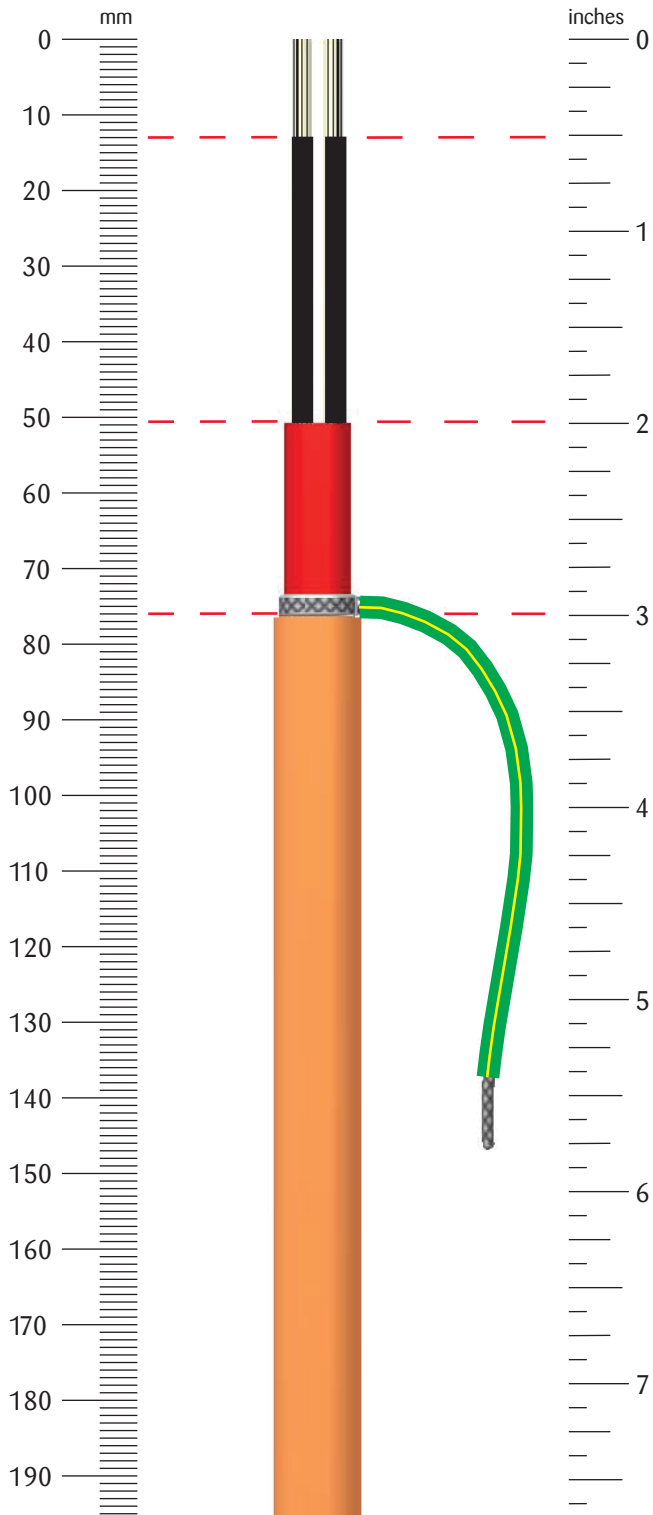


3b. Slide boot onto the end of the cable.



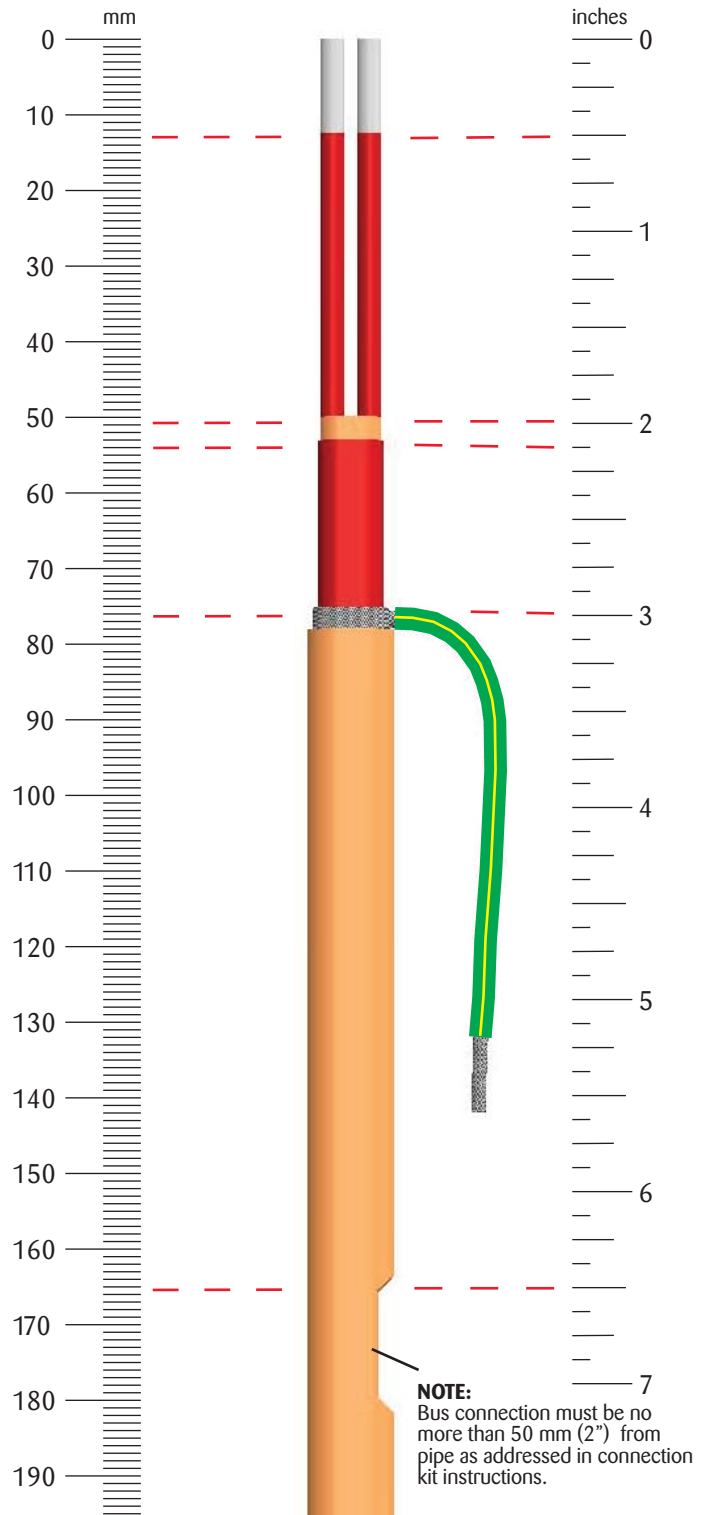
3c. Expose 13mm (0.5") of bus wire.

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



For Power Connection Boot Termination

Cable Take-off for HPT and FP



For Power Connection Boot Termination



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Specifications and information subject to change without notice. PN50135U-0312