

# SCTK

## Splice Connection Termination Kit

### INSTALLATION PROCEDURES

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

To be used in conjunction with  
Thermon Connection kits



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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.

## Splice Connection Termination Kits (per cable)

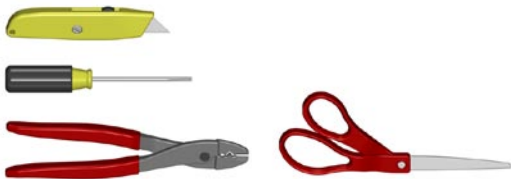
- SCTK-1D for BSX, RSX, TSX, VSX  
SCTK-2D for KSX, HTSX  
SCTK-3D for HPT, FP

## Kit Contents . . .



Item	Quantity	Description
1	2	Splice Connection Boots
2	1	Large Wire Nut
3	2	Medium Wire Nuts
4	2	Small Wire Nuts
5	1	RTV Tube
6	1	GRW-G Grommet (For SCTK-3D Terminator kits only)

## Tools Required . . .



## Installation Precautions . . .

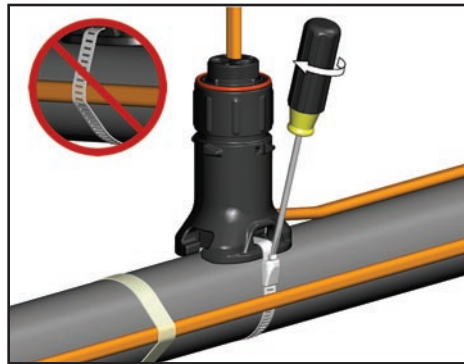
- To minimize the potential for arcing and fire caused by product damage or improper installation use ground-fault protection. The National Electrical Code (NEC) and Canadian Electrical Code (CEC) require ground-fault protection of equipment for each branch circuit supplying electric heat tracing.
- 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.

# SCTK

## IMPORTANT!

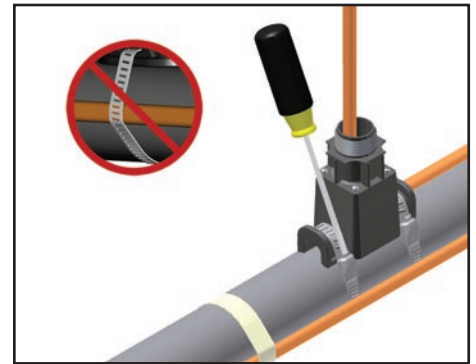
Heating cable must be properly installed within expediter assembly and mounted to pipe prior to terminating with SCTK kit.

See Terminator and/or TracePlus Installation Instructions for expediter mounting details.



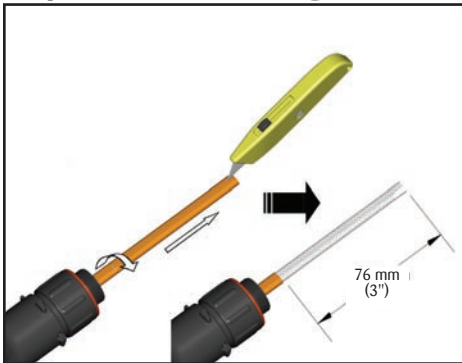
**Terminator:** Route cable through base entry and mount expediter to pipe using pipe band. Do not band over cable.

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



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

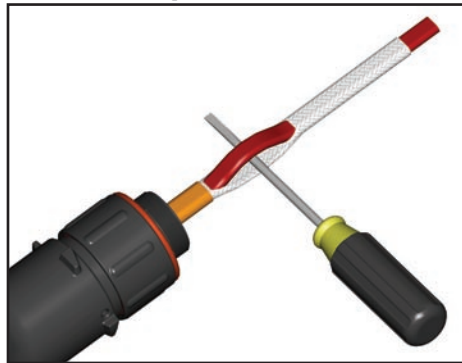
## Step 1: Remove Heating Cable Overjacket and Separate Metallic Braid to Form Pigtail



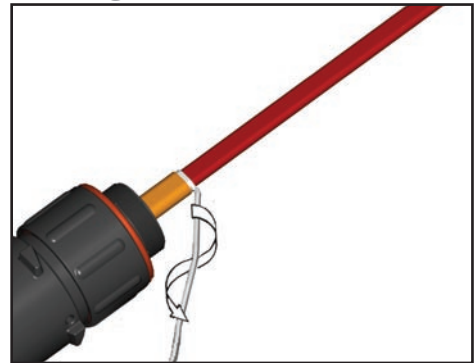
**1a.** Cut and remove heating cable overjacket.



**Do not cut metallic braid.**

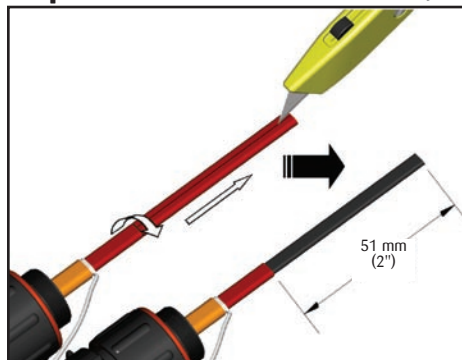


**1b.** Separate braid strands at edge of overjacket and pull cable through opening in braid.

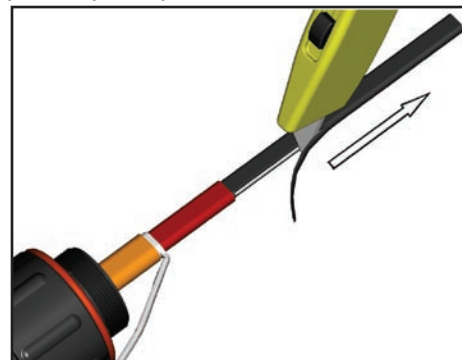


**1c.** Twist braid into a pigtail. Trim ends of braid.

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



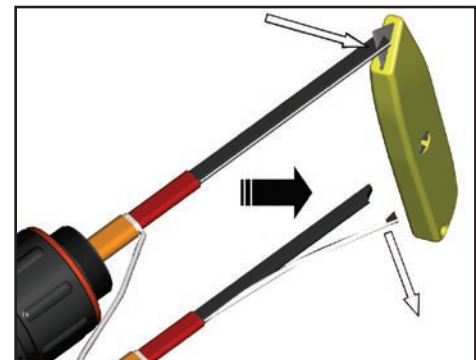
**2a.** Cut and remove primary insulation jacket (BSX and RSX cables only).



**2b.** Skive outside edges of black matrix.



**Do not cut bus wire strands.**



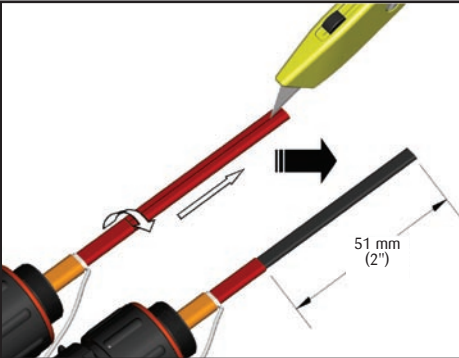
**2c.** Cut V-notch in matrix and pull bus wires from matrix. Cut and remove center matrix.



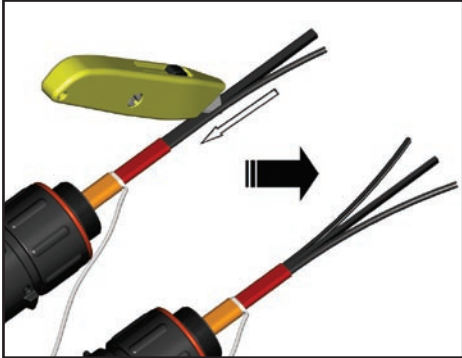
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# INSTALLATION PROCEDURES

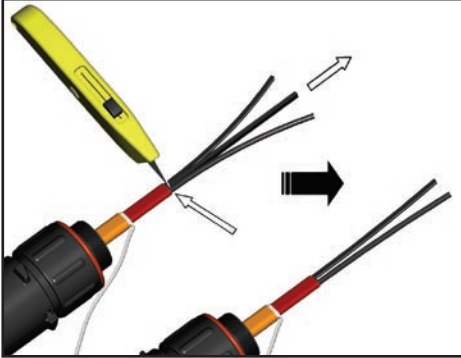
## Step 2: Matrix Removal for TSX Cables



2a. Cut and remove primary insulation jacket.



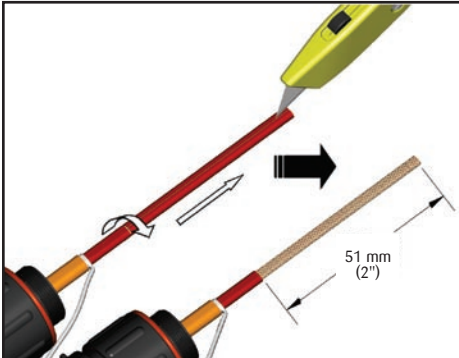
2b. Cut matrix core between inside edges of conductors.



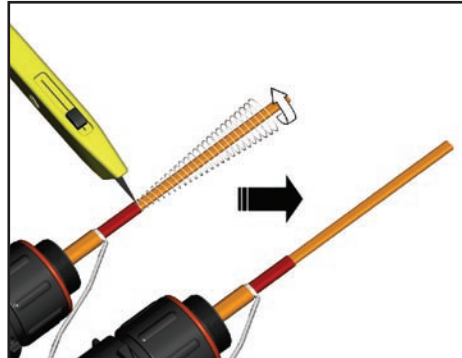
2c. Cut and remove remaining matrix core. Strip off matrix material at end of conductors.

 Do not cut bus wire strands.

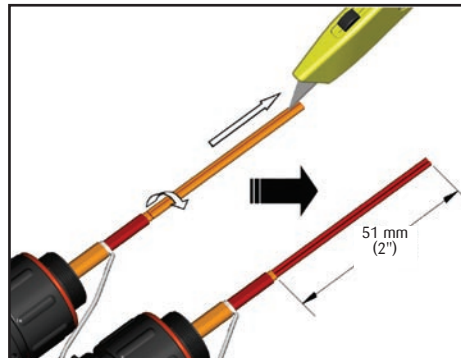
## Step 2: Heating Element Removal for HPT and FP Cables



2a. Cut and remove primary insulation jacket.



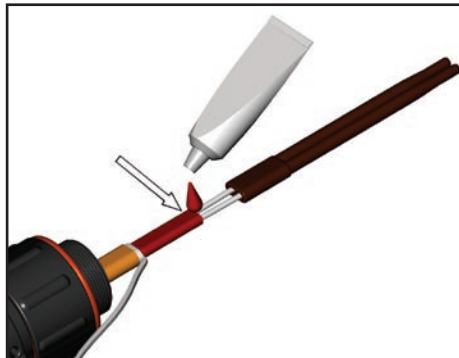
2b. Cut and remove fiberglass overlay and heating element. Push any remaining heating element wire under the primary insulation jacket.



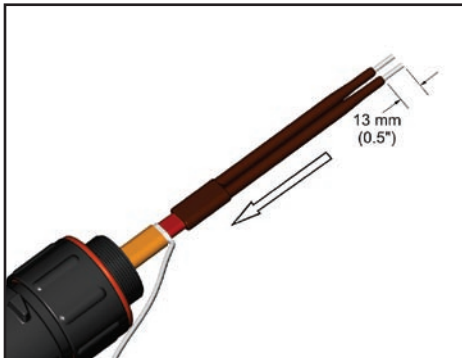
2c. Cut and remove pairing jacket.

 Do not cut bus wire insulation.

## Step 3: Install Power Boot on Heating Cables



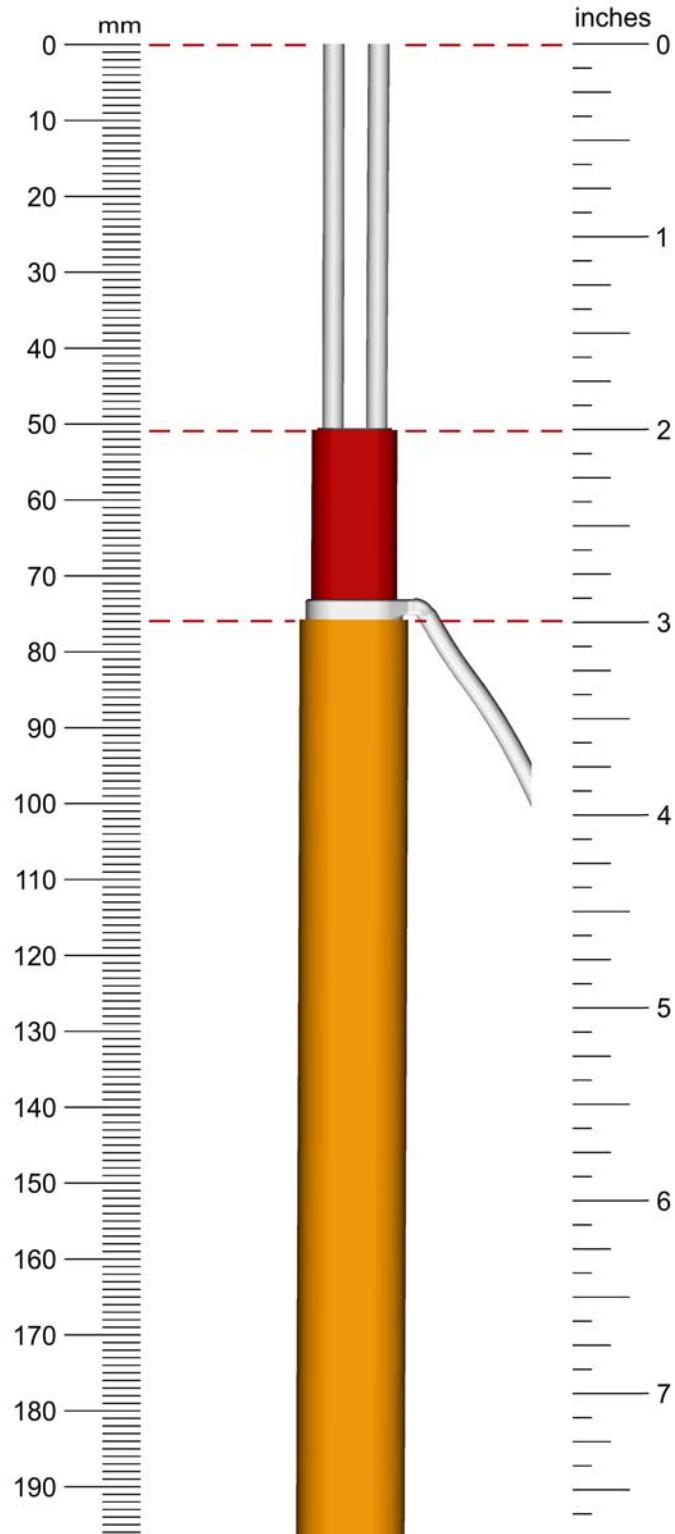
3a. Apply a liberal amount of RTV sealant to cable.



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

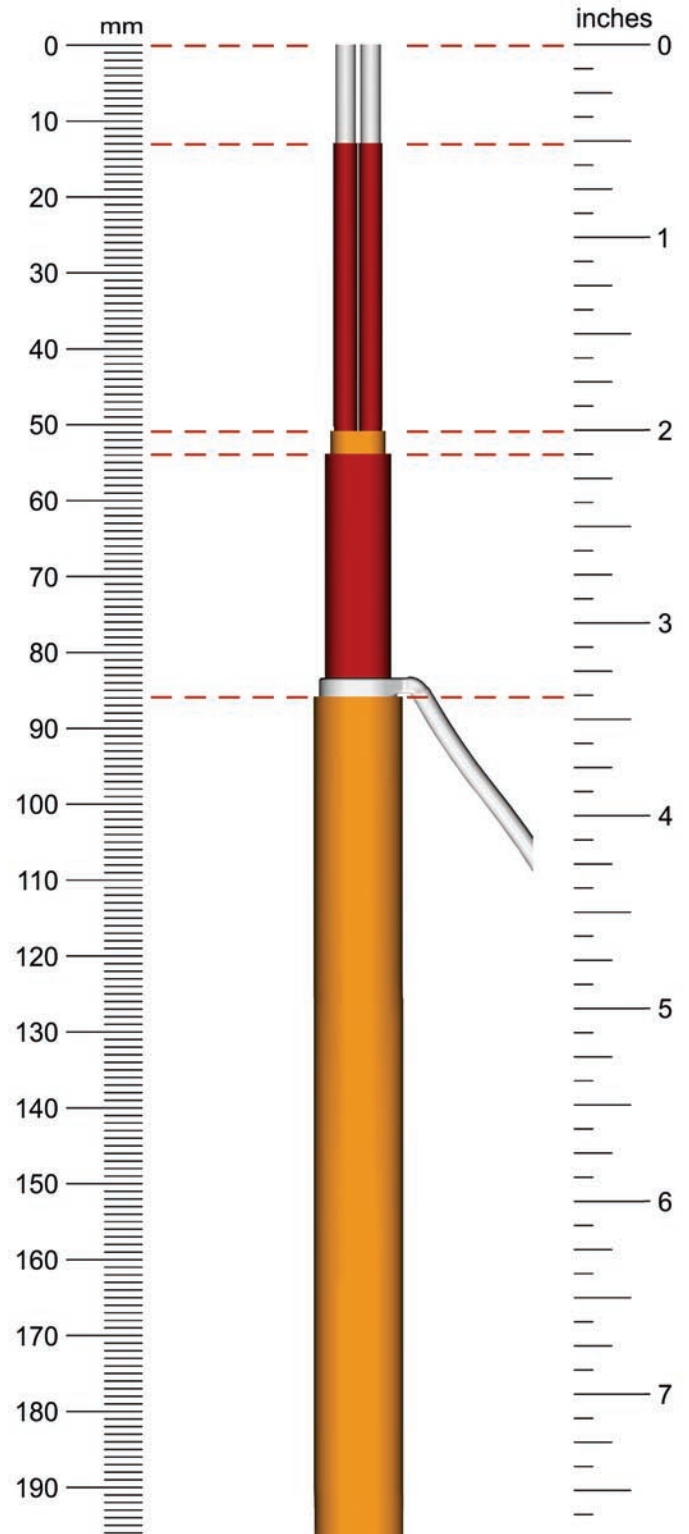
# SCTK

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



For Power Connector Boot Termination  
(TBX-3S and TBX-4S)

## Cable Take-off for HPT and FP



For Power Connector Boot Termination  
(TBX-3S and TBX-4S)



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# INSTALLATION PROCEDURES



**ISO 9001**  
REGISTERED

**THERMON . . . The Heat Tracing Specialists®**

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Specifications and information are subject to change without notice.

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