PETK
Power and End Termination Kit

INSTALLATION PROCEDURES

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

Order separately to be used in conjunction with Thermon connection kits

Made in the USA
The following installation procedures are guidelines for the installation of the Power and End 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.

**PETK Power and End Termination Kits (per cable)**

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**PETK Certifications/Approvals**

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.

**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.

**Tools Required**

- RTV Tube
- Power Connection Boot
- End Cap
- Tape Strip (PETK-3 Only)
- End Termination Caution Label
- GRW-G Grommet (For PETK-3 Terminator kits only)
- Ground Sleeve
**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, 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.
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 power 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.

*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 and green/yellow ground sleeve over twisted braid. Expose 13 mm (0.5") of bus wire.
Step 4: End Termination for BSX, RSX, HTSX, KSX, USX and VSX-HT

4a. Cut and remove heating cable overjacket.
4b. Trim away exposed braid from cable.
4c. Apply a liberal amount of RTV sealant to cable and inside end cap. Slide end cap onto end of cable.

Step 4: End Termination for HPT and FP

4a. Trim the cable 75 mm (3”) from the bus connection.
4b. Cut and remove overjacket and trim away exposed braid from cable.
4c. Cut and remove primary insulation jacket.
4d. Cut and remove fiberglass overlay and heating element. Push any remaining heating element wire under the primary insulation jacket.
4e. Cut and remove pairing jacket. Stagger cut one of the bus wires.
4f. Tape bus wires individually and then together. Continue taping to cover overjacket. Apply a liberal amount of RTV sealant to cable and slide end cap onto the end of the cable.

**Do not cut bus wire strands.**
PETK

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

NOTE: Images may not be printed to scale.
**Cable Take-off for HPT and FP Heating Cables**

**For End Cap Termination**

**For Power Connection Boot Termination**

**NOTE:** Images may not be printed to scale.

**INSTALLATION PROCEDURES**