

Terminator™ ZS/ZE

In Line Splice/End Termination Kit

INSTALLATION PROCEDURES

For In-Line Splice Connection and End Termination Applications



Terminator™ ZS/ZE

INSTALLATION PROCEDURES

Kit Contents



Item	Quantity	Description
1	1	Expediter Assembly Grommet Compressor Grommet Support Base with O-Ring
2	1	Splice Cap
3	1	Banding Guide
4	1	Banding

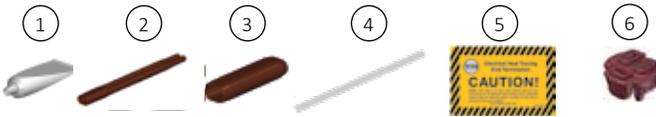
Order Separately for End Termination

PETK Power and End Termination Kits (per cable)

PETK-1 for BSX, RSX, VSX-HT

PETK-2 for KSX, HTSX, USX

PETK-3 for FP, HPT



Item	Quantity	Description
1	1	RTV Tube
2	1	Power Connection Boot
3	1	End Cap
4	1	Tape Strip 6" (PETK-3 only)
5	1	End Termination Caution Label
6	1	GRW-G Grommet (PETK-3 only)

Order Separately for Inline Splice

SCTK Splice Connection Termination Kits (per cable)

SCTK-1 for BSX, RSX, VSX-HT

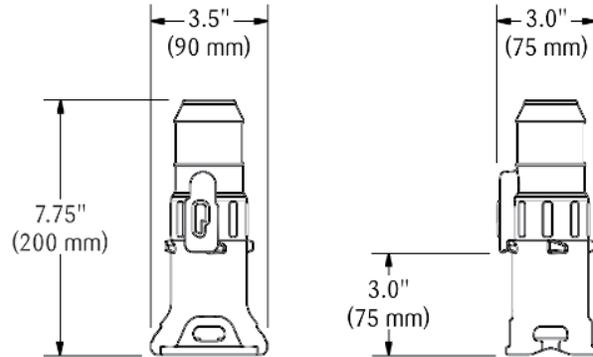
SCTK-2 for KSX, HTSX, USX

SCTK-3 for FP, HPT



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
7	1	RTV Tube

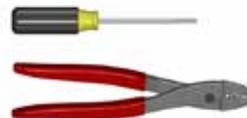
Dimensions



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. User supplied power connection fittings must be listed or certified for intended use.
- De-energize all power sources before opening enclosure.
- Avoid electrostatic charge. Clean only with a damp cloth.
- 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, or PPE, should be utilized during installation. Contact Thermon if you have any additional questions.

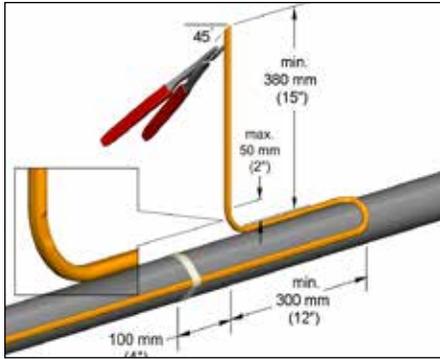
Tools Required



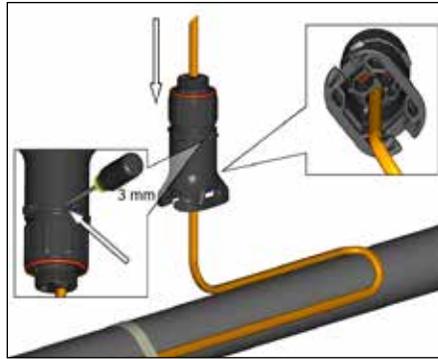
Certifications/Approvals



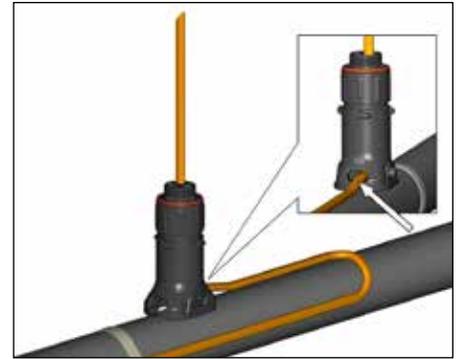
IP66/Type 4X -60°C ≤ Ta ≤ +55°C
 Ordinary & Hazardous Locations
 Class I, Division 2, Groups A, B, C, & D
 Class II, Division 2, Groups F & G, Class III
 Class I, Zone 1, AEx eb IIC T6...T4
 09.2238691,-G,-S, Ex eb IIC T6...T4



1. Locate bus connection (HPT and FP only) and cable as shown. Cut end of cable at angle to aid in piercing grommet. Leave additional cable for expansion loop. See page 4 for multiple cable installation tips.



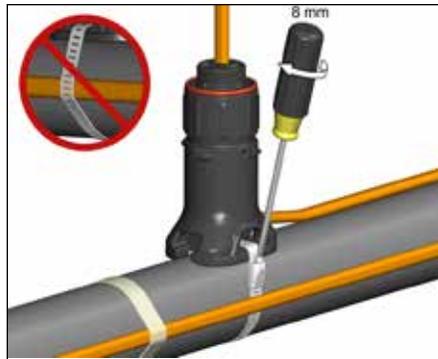
2. Insert cable into expediter. If mounted on bottom or side of pipe, punch out weep hole. Note: For HPT and FP cable, exchange grommet in Terminator with GRW-G provided in PETK-3.



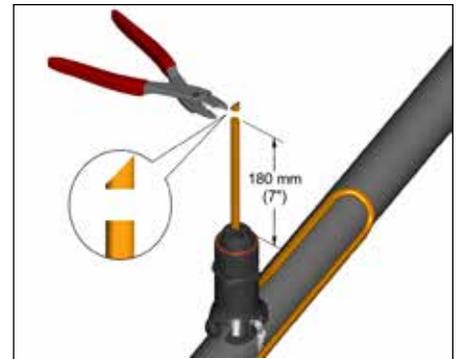
3. Slide expediter toward pipe and route cable through support base entry.



4. Insert banding guide into expediter and snap into place..



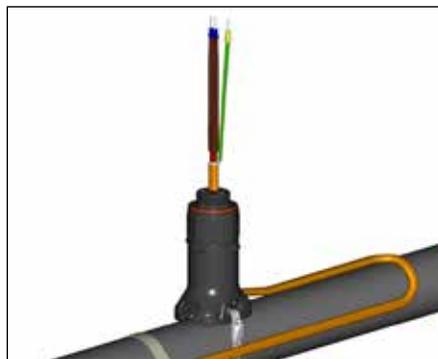
5. Mount expediter to pipe using pipe band. Do not band over cable.



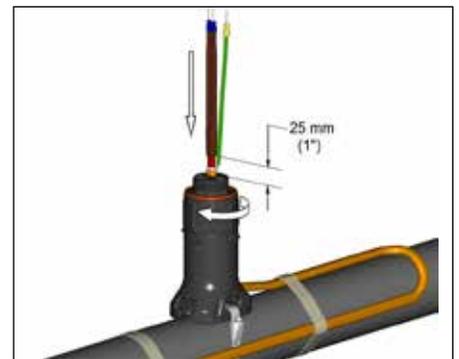
6. Cut off end of cable. .



7. Terminate cable with appropriate SCKT or PETK termination kit. Refer to SCKT or PETK installation instructions.

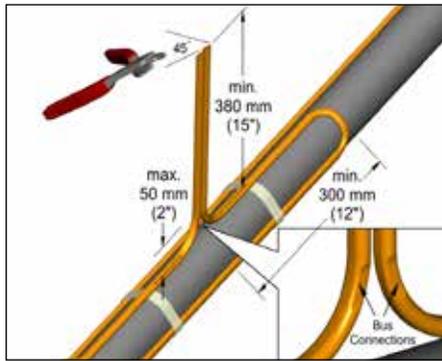


8. Push excess cable back through expediter. Tighten cap securely. Tape cable expansion loop to pipe.

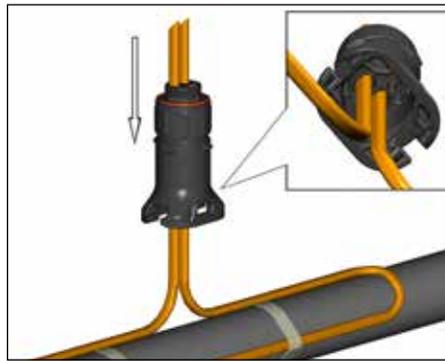


9. Connect bus wires using small crimps and connect ground wires using large crimp. See page 4 for wiring details. Trim excess wire if necessary.

Two Cable Layout Tips



Locate bus connection (HPT and FP only) and cable as shown. Cut end of cable at angle to aid in piercing grommet. Leave additional cable for expansion loop.

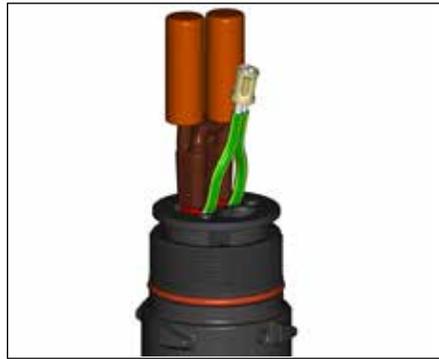


Insert two cables into expediter.

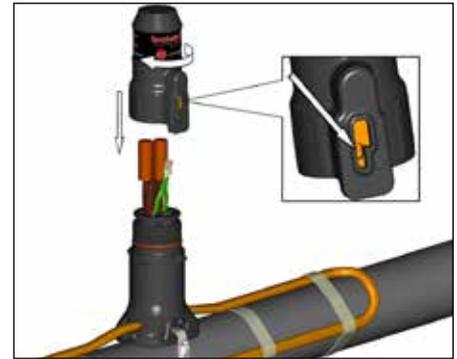
Note: For HPT and FP cable, exchange grommet in Terminator with GRW-G provided in PETK-3.



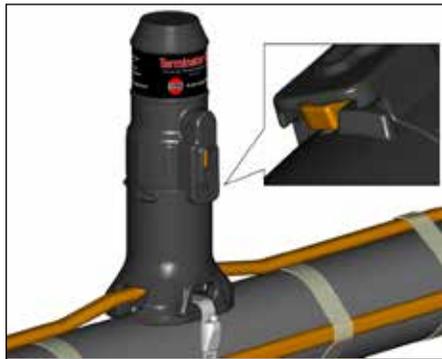
10. Snap on crimp insulators



11. Slide silicone caps over crimp insulators.



12. Tighten cap securely.

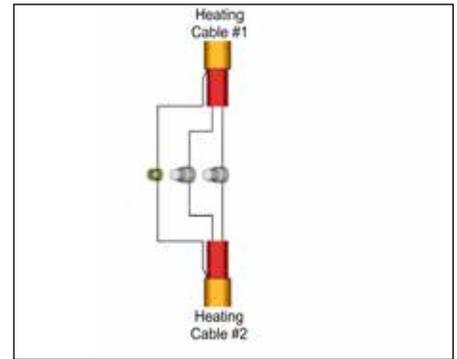


13. Completed splice/tee kit. Make sure latch mechanism is in the locked position.



14. To remove cap, lift latch mechanism and unscrew cap.

Wiring Details



In-Line Splice

