End Termination Kit Installation Instructions

Terminator DE-L

for use with RSX, TSX, VSX self-regulating heating cables

Terminator DE-S

for use with BSX*, HTSX, KSX self-regulating, HPT power-limiting, and FP constant watt heating cables

For End Termination Applications
1-2 Cables - Standard
3 Cables - w/ Optional End Cap

* BSX self-regulating heating cables may also be used with Terminator DE-L

Kit Contents

Item	Qty	Description
1	1	**Splice Cap**
2	1	**Expediter Assembly** **Grommet Compressor** **Grommet** **Support Base w/ O-ring**
3	1	**Banding**
4	1	**Banding Guide**
5	1	**RTV Tube**
6	2	**End Caps**
7	2	**Tape Strips** (DE-S kit only)
8	1	**Optional End Cap** - for 3 cable installations - not provided in kit

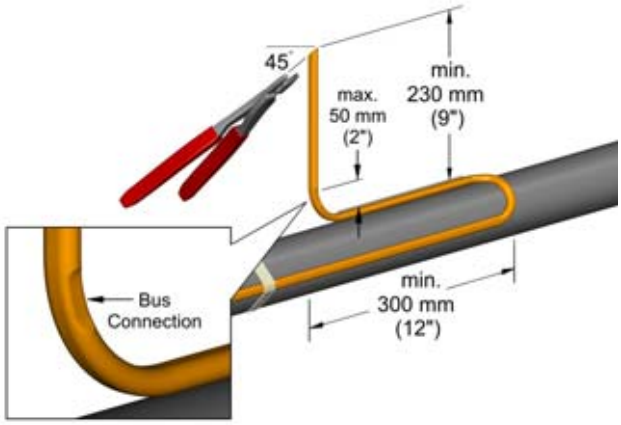
Tools Required

Certifications/Approvals

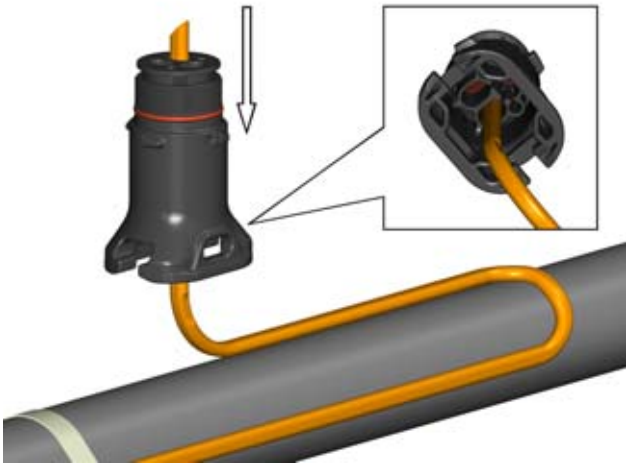
IP66 NEMA/Type 4X -60°C ≤ Ta ≤ +55°C
Ordinary & Hazardous Locations
Class I, Division 2, Groups A, B, C, & D, Zone 2 IIC
Class II, Division 2, Groups F & G, Class III
Listed Heat Tracing Cable System 137M

Warnings

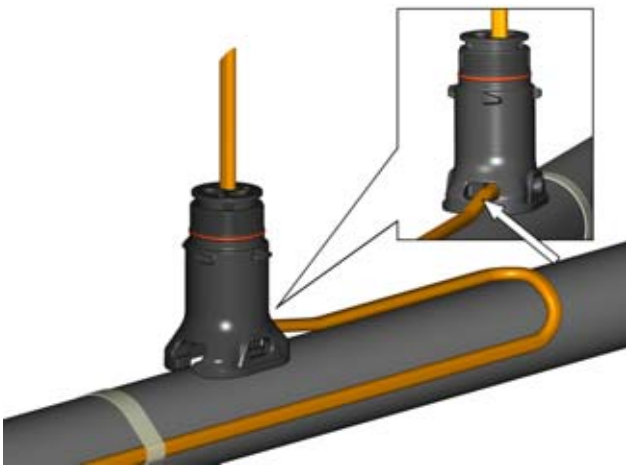
- Due to the risk of electrical shock, arcing and fire caused by product damage or improper usage, installation or maintenance, a ground-fault protection device is required.
- Installation must comply with Thermon requirements and be installed in accordance with the NEC, CEC, or any other applicable 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.



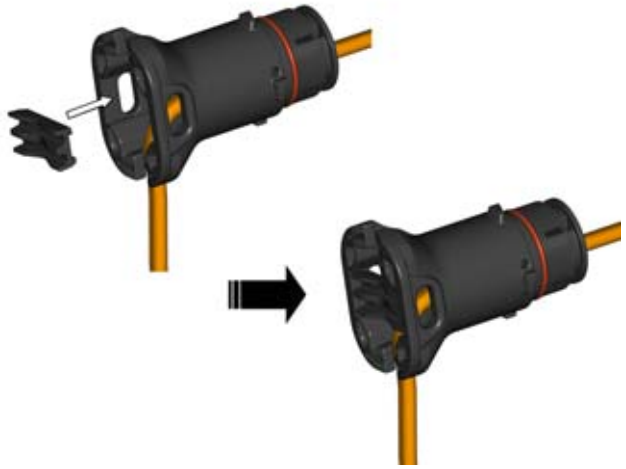
1. **Locate bus connection (HPT and FP only) and cable as shown. Cut end of cable at angle to aid in piercing grommet. Leave additional cable for expansion loop. See pages 7-8 for multiple cable installation tips.**



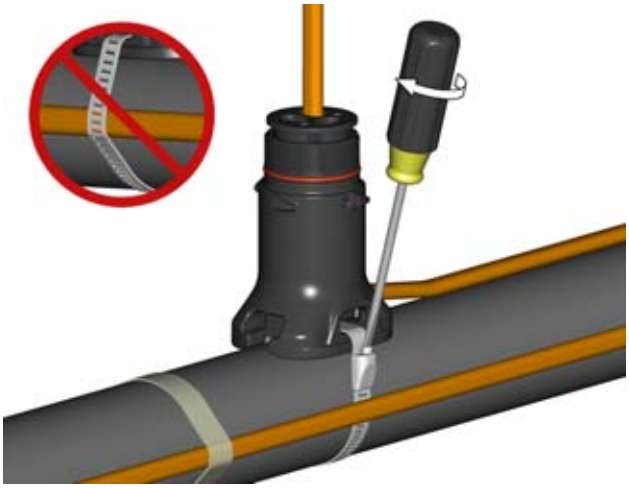
2. **Insert cable into expediter. If mounted on bottom of pipe, punch out weep hole.**



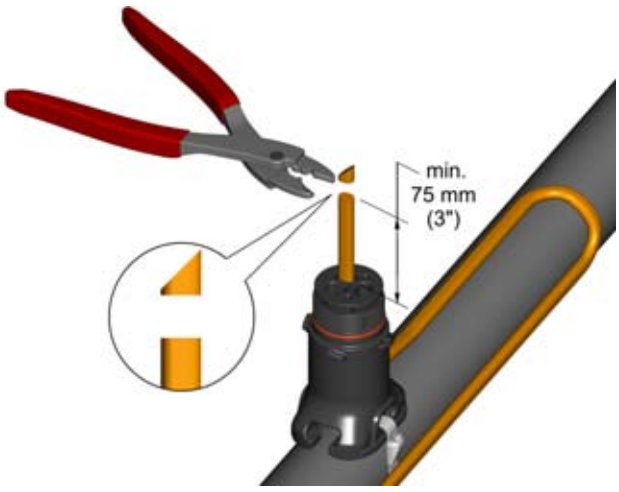
3. **Slide expediter toward pipe and route cable through support base entry.**



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

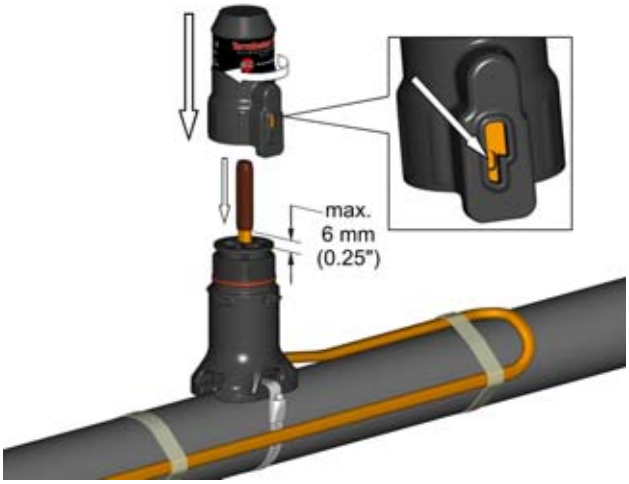


5. **Mount expediter to pipe using pipe band. Do not band over cable.**



6. **Cut off end of cable.**

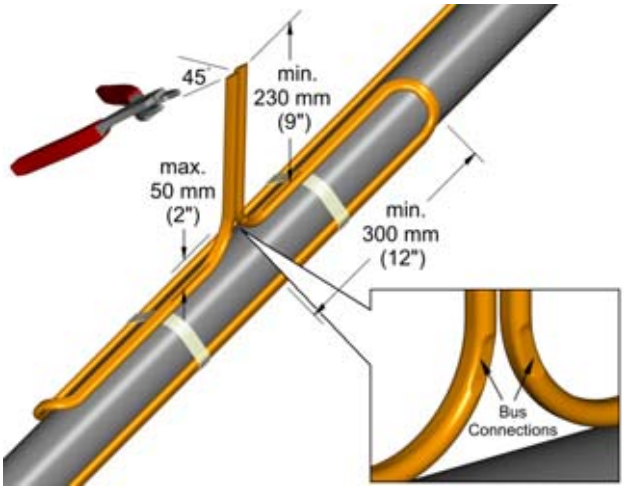
7. **Terminate cable using cable termination (for BSX, HTSX, KSX, RSX, TSX, and VSX) on pages 9-10 or cable termination (for HPT and FP) on pages 11-14.**



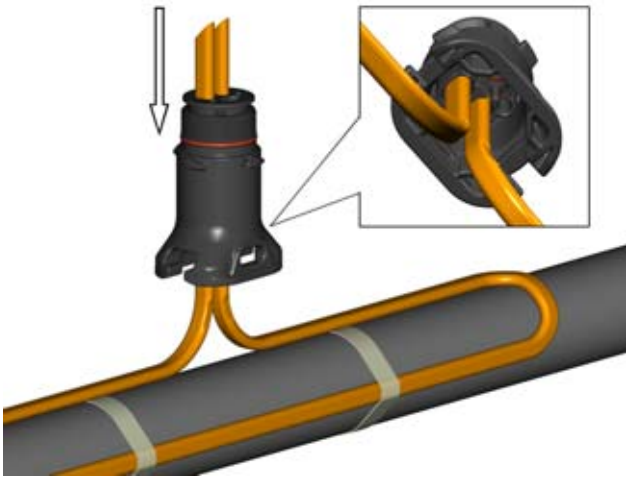
8. **Push excess cable back through expediter. Tighten cap securely. Tape cable expansion loop to pipe.**

9. **Completed end termination kit. Make sure latch mechanism is in the locked position.**

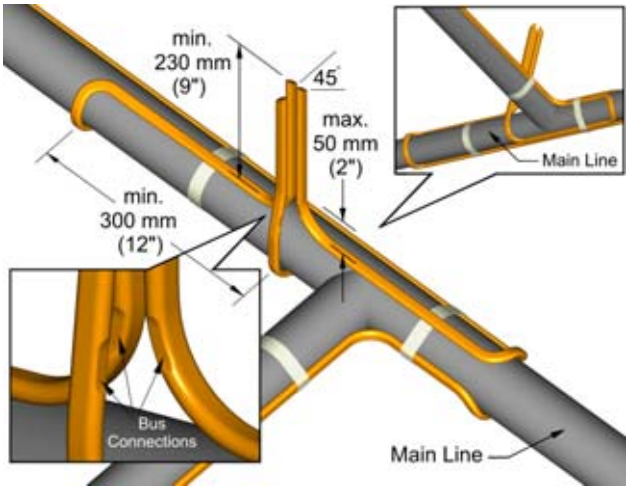
10. **To remove cap, lift latch mechanism and unscrew cap.**



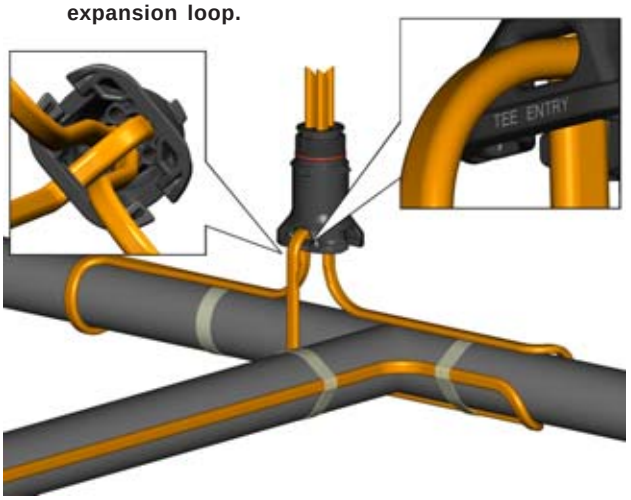
A1. **Locate bus connection (HPT and FP only) and cable as shown. Cut end of cable at angle to aid in piercing grommet. Leave additional cable for expansion loop.**



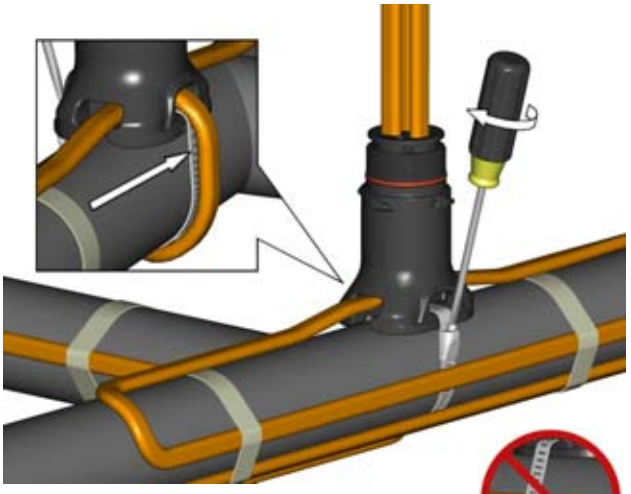
A2. **Insert two cables into expediter.**



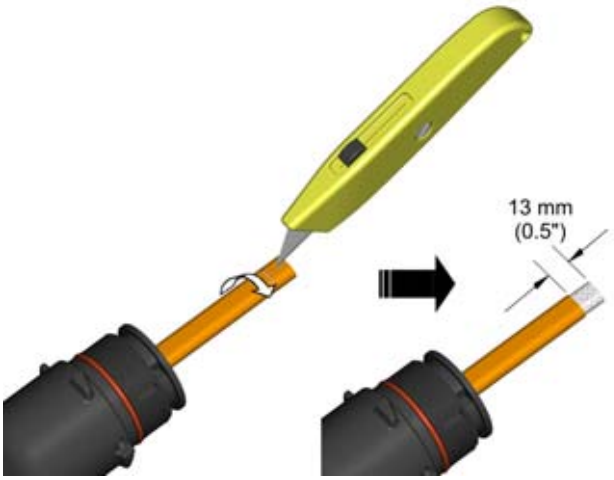
B1. **Locate bus connection (HPT and FP only) and cable as shown. Cut end of cable at angle to aid in piercing grommet. Leave additional cable for expansion loop.**



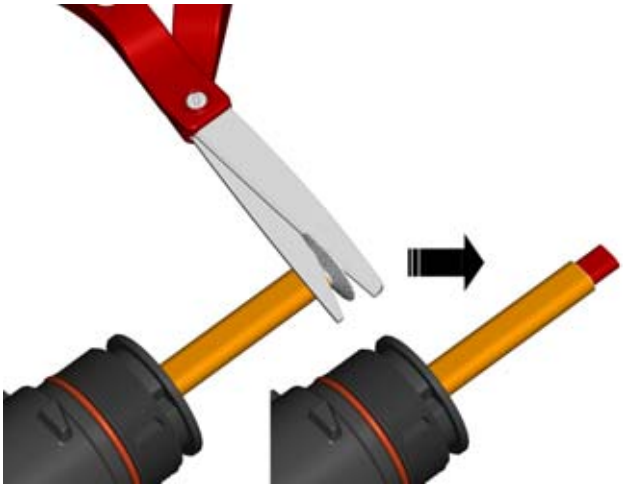
B2. **Insert three cables into expediter.**



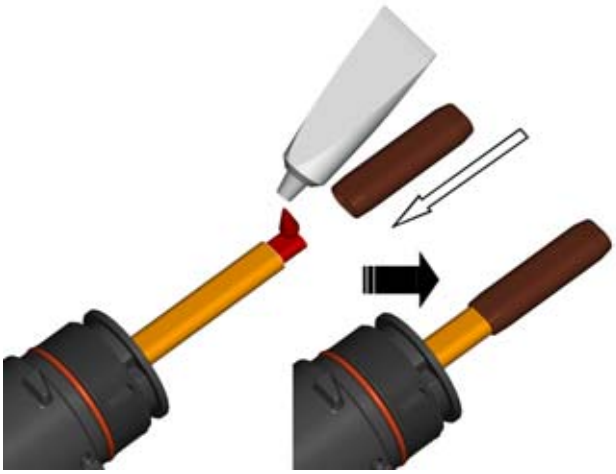
B3. **Mount expediter with three cables. Do not band over cable.**



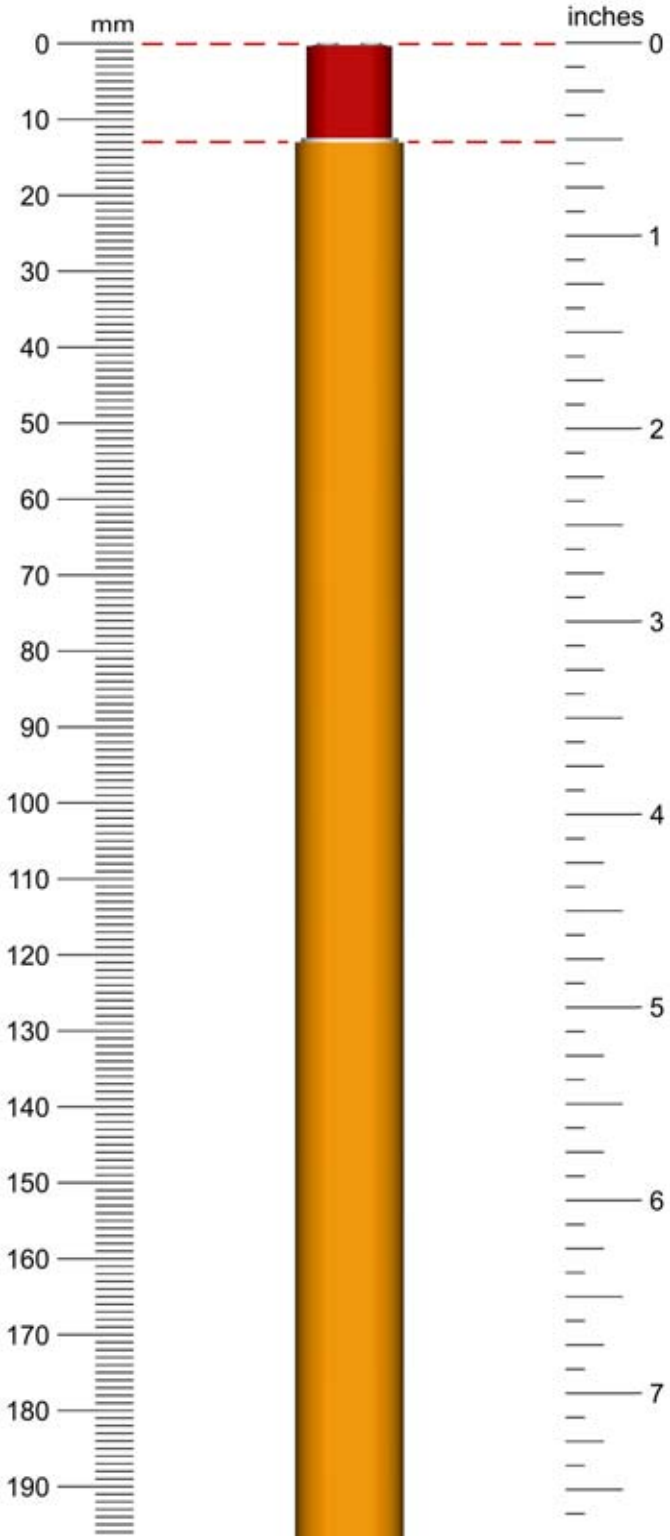
C1. **Cut and remove overjacket.**

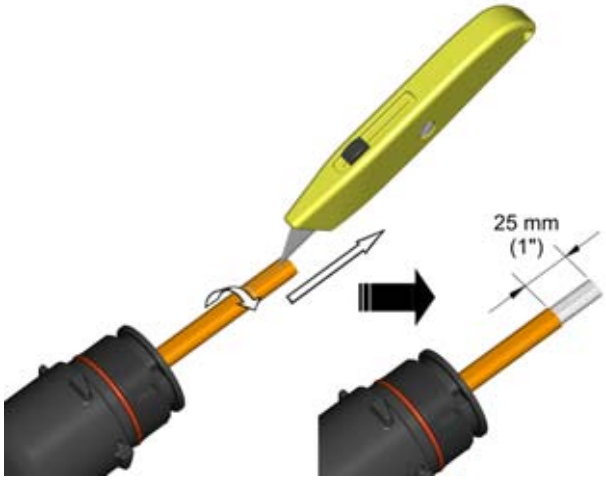


C2. **Trim away exposed braid from cable.**

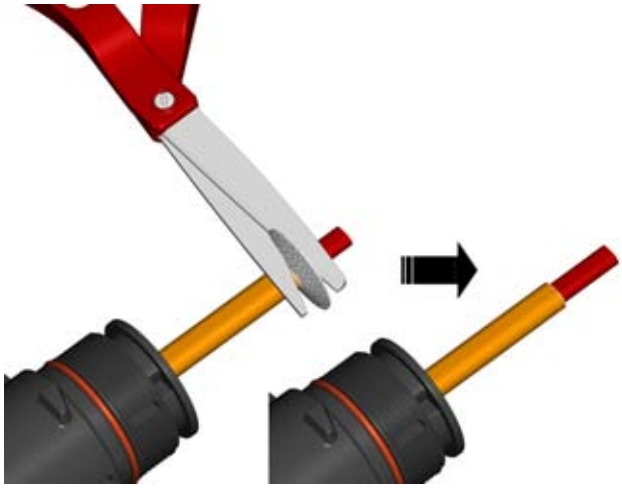


C3. **Apply a liberal amount of RTV sealant to cable and slide end cap onto the end of the cable.**

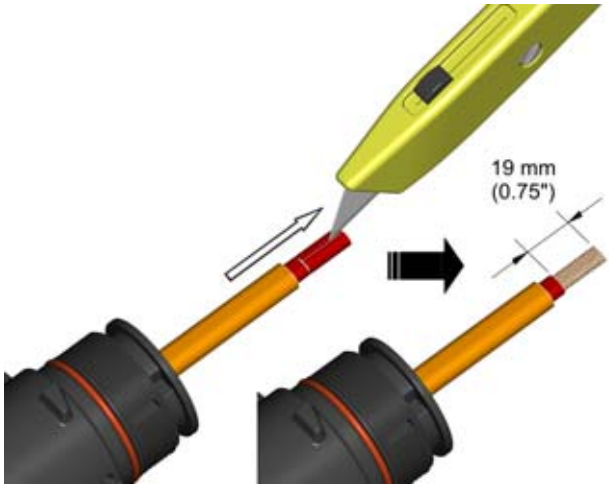




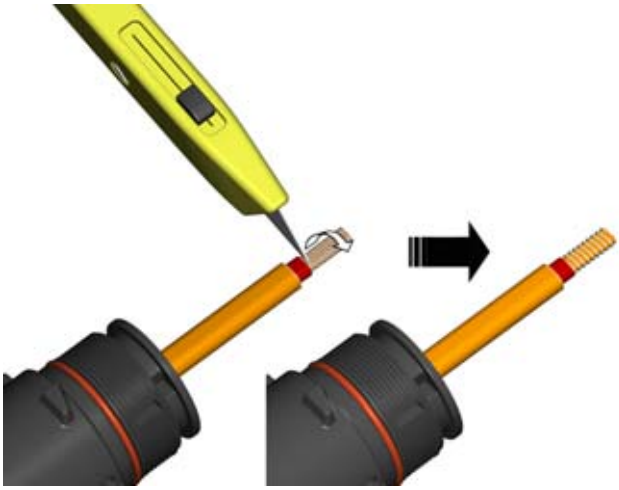
D1. **Cut and remove overjacket.**



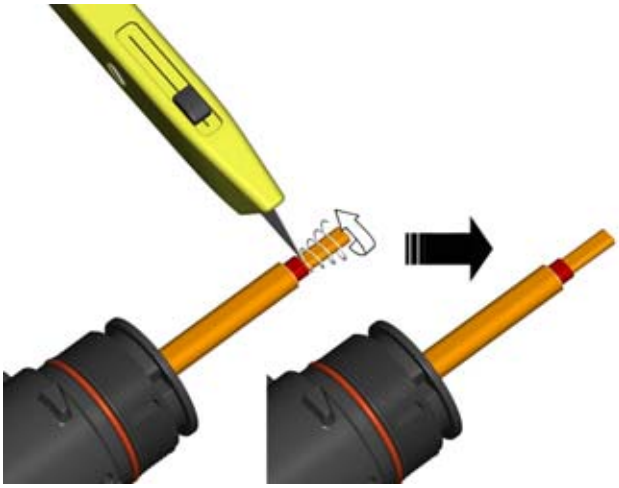
D2. **Trim away exposed braid from cable.**



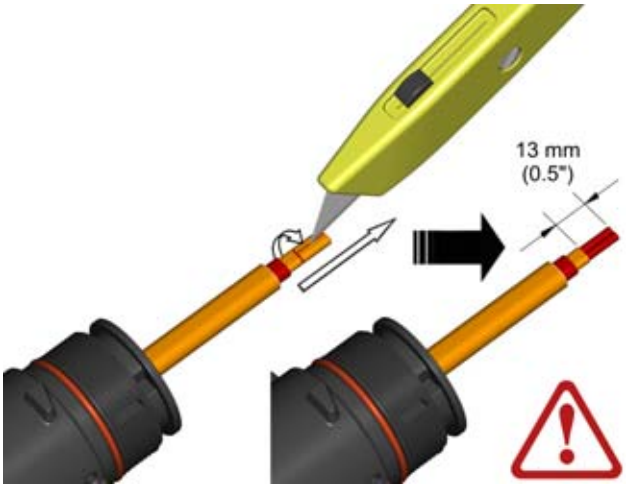
D3. **Cut and remove primary insulation jacket.**



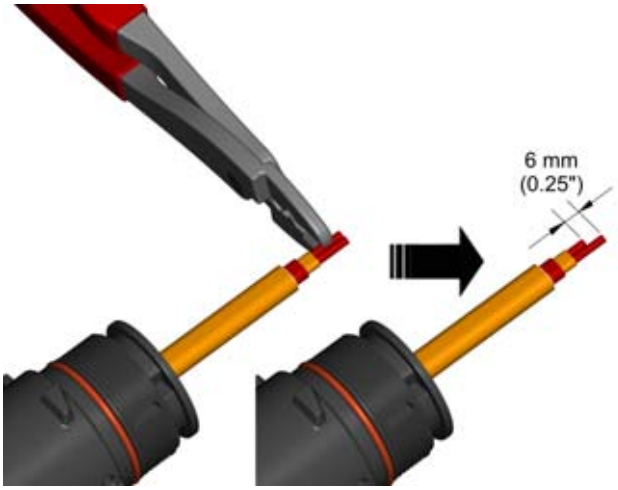
D4. **Cut and remove fiberglass braid. Omit this step for FP cable.**



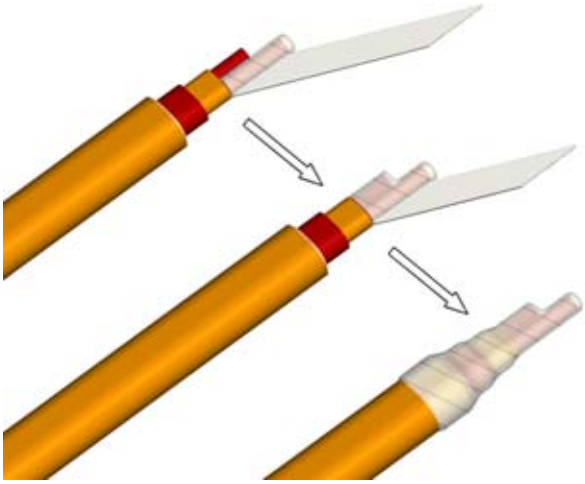
D5. **Cut and remove heating element and fiberglass overlay (FP cable only). Push any remaining heating element wire under the primary insulation jacket.**



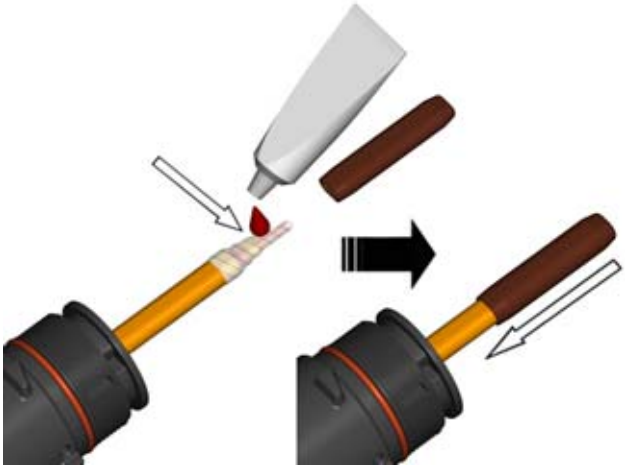
D6. **Cut and remove pairing jacket. Do not cut bus wire insulation.**



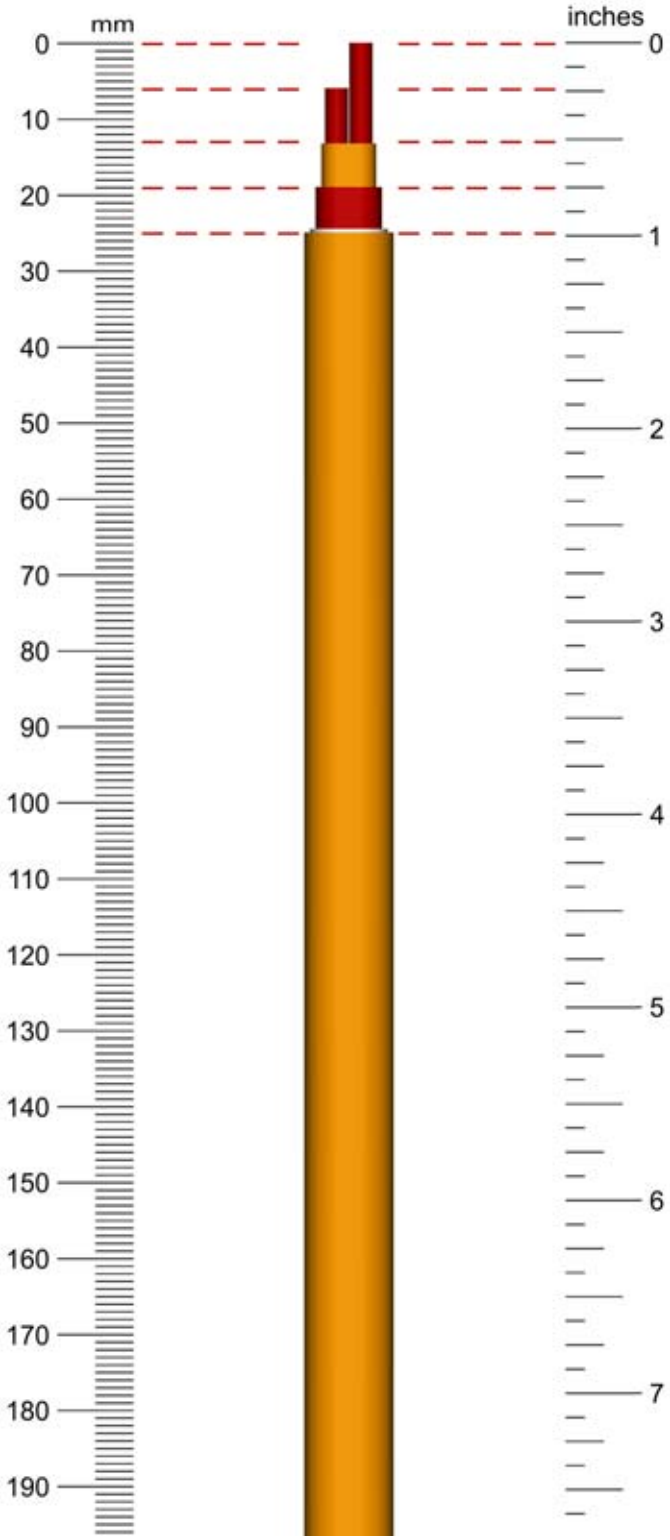
D7. **Stagger cut one of the bus wires.**



D8. **Tape bus wires individually and then together. Continue taping to cover overjacket.**



D9. **Apply a liberal amount of RTV sealant to cable and slide end cap onto the end of the cable.**



Form No. 50811 (04/28/05)

Thermon Manufacturing Company
100 Thermon Drive • P.O. Box 609 • San Marcos, Texas 78667-0609
Phone: (512) 396-5801 • Fax: (512) 396-3627 • 1-800-820-HEAT
www.thermon.com