Terminator™ ZS/ZE
In Line Splice/End Termination Kit

INSTALLATION PROCEDURES
For In-Line Splice Connection and End Termination Applications

The Heat Tracing Specialists®
**Terminator™ ZS/ZE**

**Kit Contents . . .**

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Expediter Assembly Grommet Compressor Grommet Support Base with O-Ring</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>Splice Cap</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Banding Guide</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>Banding</td>
</tr>
</tbody>
</table>

**Order Separately for End Termination**

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

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>RTV Tube</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>Power Connection Boot</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>End Cap</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>Tape Strip 6’ (PETK-3 only)</td>
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<tr>
<td>5</td>
<td>1</td>
<td>End Termination Caution Label</td>
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<tr>
<td>6</td>
<td>1</td>
<td>GRW-G Grommet (PETK-3 only)</td>
</tr>
</tbody>
</table>

**Order Separately for Inline Splice**

**SCTK Splice Connection Termination Kits (per cable)**

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

<table>
<thead>
<tr>
<th>Item</th>
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</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3</td>
<td>Splice Connection Boots</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>Small Crimps</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Large Crimp</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>Small Crimp Insulators</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>Silicone Caps</td>
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<tr>
<td>6</td>
<td>3</td>
<td>Ground Sleeves</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>RTV Tube</td>
</tr>
</tbody>
</table>

**INSTALLATION PROCEDURES**

**Dimensions . . .**

- 3.5” (90 mm)
- 3.0” (75 mm)
- 7.75” (200 mm)

**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 . . .**

- [Tool Image]

**Certifications/Approvals . . .**

- IP66/Type 4X -60°C ≤ Ta ≤ +55°C
- Listed Heat Tracing Cable System 137M
- 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 T4-T6
- 09.2238691_.G.-S. Ex e IIC T4-T6
- 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
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 SCTK or PETK termination kit. Refer to SCTK 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.
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.

In-Line Splice