Description
The PMKG-LE is a NEMA 4X rated end seal kit designed for use with Raychem® BTV-CR, BTV-CT, QTVR-CT, and LBTV2-CT self-regulating heating cables. It is designed to be placed on the pipe under the insulation and cladding.
For technical support call Tyco Thermal Controls at (800) 545-6258.

Tools Required
- Screwdriver
- Wire cutters
- Utility knife

Additional Materials Required
- One grommet:(1)
  PMK-GK-10 P/N 222724-000 (Package of ten grommets)
- Tape
  – GT-66 Installation temperature above 40°F (4°C)
  – GS-54 Installation temperature above −40°F (−40°C)
(1) Required for LBTV2 (see step 1)

Approvals
Hazardous Locations

Installation Instructions

WARNING:
This component is an electrical device which must be installed correctly to ensure proper operation and to prevent shock or fire. Read these important warnings and carefully follow all of the installation instructions.

- To minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with the requirements of Tyco Thermal Controls, agency certifications, and National Electrical Codes, ground-fault equipment protection must be used. Arcing may not be stopped by conventional circuit breakers.
- Component approvals and performance are based on the use of Tyco Thermal Controls-specified parts only. Do not use substitute parts or vinyl electrical tape.
- The black heating cable core is conductive and can short. It must be properly insulated and kept dry.
- Damaged bus wires can overheat or short. Do not break bus wire strands when scoring the jacket or core.
- Keep components and heating cable ends dry before and during installation.
- Bus wires will short if they contact each other. Keep bus wires separated.
- Use only fire-resistant insulation materials, such as fiberglass wrap or flame-retardant foam.
- Leave these instructions with the user for future use.

Kit Contents

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1</td>
<td>Pressure plate</td>
</tr>
<tr>
<td>B</td>
<td>1</td>
<td>End seal body with stainless steel screws</td>
</tr>
<tr>
<td>C</td>
<td>1</td>
<td>Red grommet (not for use with LBTV2)</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>End seal label</td>
</tr>
</tbody>
</table>
PMKG-LE Installation Instructions

1. Identify heating cable type.
2. Select correct grommet from table below.

<table>
<thead>
<tr>
<th>Heating Cable Type</th>
<th>Grommet</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTV, QTVR -CR or -CT</td>
<td>RED</td>
</tr>
<tr>
<td>LBTV2 -CT</td>
<td>K</td>
</tr>
</tbody>
</table>

* Order separately

⚠️ **WARNING:** Use of the wrong grommet can result in leaks, cracked components, shock or dielectric failure, and will invalidate approvals and certifications.

3. For CSA Class I, II, III Division 2 applications only.

- Apply 3 wraps of glass cloth tape (Raychem GT-66 or GS-54).
- Push the grommet up to the edge of the tape.

4. Slide parts onto heating cable.

5. Remove exposed braid.

6. Push heating cable completely into end seal body.
- Seat grommet and tighten screws.

7. Secure end seal to pipe using correct Raychem tape (GS-54 on stainless steel pipe).
- Install label on outside of cladding.

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