COYOTE® Terminal Closure - Single Chamber

Be sure to read and completely understand this procedure before applying product.
Be sure to select the proper PREFORMED™ product before application.

NOMENCLATURE
1. Base with End Caps - Standard Base Shown (1)
2. Terminal Cover - 12 Port Shown (1)
3. Small Parts Bag (1)
4. Grommet Kit - Includes 4 Grommets (1)
5. Pigtail Kit (1, 2, or 3)

TOOLS REQUIRED
• 3/8" & 7/16" Can wrench or socket wrench
• Side Cutters
• Snips
• Fiber optic cable opening tools

COYOTE Splice Tray Capacity Chart for COYOTE Terminal Closures

<table>
<thead>
<tr>
<th>PLP Catalog Number</th>
<th>Description</th>
<th>Image</th>
<th>Splice Type</th>
<th>Max Trays per Closure</th>
<th>Closure Max Splice Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>80809958</td>
<td>Short Low Profile LITE-GRIP® Splice Tray (24ct)</td>
<td></td>
<td>Single Fusion</td>
<td>4</td>
<td>96</td>
</tr>
<tr>
<td>80813152</td>
<td>Short Low Profile LITE-GRIP® Splice Tray (36ct)</td>
<td></td>
<td>Single Fusion</td>
<td>4</td>
<td>144</td>
</tr>
<tr>
<td>80808945</td>
<td>Short Deep Profile LITE-GRIP® Splice Tray (40ct)</td>
<td></td>
<td>Single Fusion</td>
<td>2</td>
<td>80</td>
</tr>
<tr>
<td>LGSTR144</td>
<td>Short Deep Profile LITE-GRIP® Splice Tray (144ct)</td>
<td></td>
<td>Ribbon/Mass Fusion</td>
<td>2</td>
<td>288</td>
</tr>
</tbody>
</table>

© 2018 Preformed Line Products Company. All rights reserved.
<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Cover Port Qty</th>
<th>Adapter Qty.</th>
<th>Plug Qty.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>800012002</td>
<td>6</td>
<td>2</td>
<td>4</td>
<td>COYOTE Terminal Closure Kit - Includes 2 SC/APC Pigtails and Splice Tray</td>
</tr>
<tr>
<td>8006993</td>
<td>3</td>
<td>3</td>
<td></td>
<td>COYOTE Terminal Closure Kit - Includes 3 SC/APC Pigtails and Splice Tray</td>
</tr>
<tr>
<td>8006953</td>
<td>4</td>
<td>2</td>
<td></td>
<td>COYOTE Terminal Closure Kit - Includes 4 SC/APC Pigtails and Splice Tray</td>
</tr>
<tr>
<td>8006954</td>
<td>6</td>
<td>0</td>
<td></td>
<td>COYOTE Terminal Closure Kit - Includes 6 SC/APC Pigtails and Splice Tray</td>
</tr>
<tr>
<td>8006955</td>
<td>9</td>
<td>8</td>
<td>1</td>
<td>COYOTE Terminal Closure Kit - Includes 8 SC/APC Pigtails and Splice Tray</td>
</tr>
<tr>
<td>800012003</td>
<td>9</td>
<td>0</td>
<td></td>
<td>COYOTE Terminal Closure Kit - Includes 9 SC/APC Pigtails and Splice Tray</td>
</tr>
<tr>
<td>800061067</td>
<td>12</td>
<td>0</td>
<td>0</td>
<td>COYOTE Terminal Closure Kit - Includes 12 SC/APC Pigtails and Splice Tray</td>
</tr>
</tbody>
</table>

**PLP Catalog Number**

**Description**

**Accessory Kits for COYOTE Terminal Closures**

- **8003733** End Plate Kit - Includes (1) End Plate, (3) Bolts, and (1) Silicone Packet
- **80807794** Hardware Bag Kit
- **8003713** Express Bracket Kit - Includes (4) Express Brackets
- **8003719** COYOTE In-Line RUNT Cover Kit
- **8003862** Fiber Organizer Kit for Ribbon Fibers
- **80805293** .135” (3.4mm) ID Transport Tube Kit - Includes (6) 34” long Transport Tubes for Single Fibers
- **80806433** .25” (6.4mm) ID Transport Tube Kit - Includes (6) 34” long Transport Tubes for Ribbon or Single Fibers
- **8007989** 100ft. Roll of .17” (4.3mm) ID Transport Tubing for Ribbon or Single Fibers
- **8007991** 100ft. Roll of .25” (6.4mm) ID Transport Tubing for Ribbon or Single Fibers

**Mounting Brackets for COYOTE Terminal Closures**

- **8003797** Aerial Mounting Bracket Kit for Strand Applications
- **8003864** Aerial Mounting Bracket Kit for ADSS Applications
- **8003703** Pole/Wall Mounting Bracket Kit
- **8003835** Hand Hole Mounting Bracket Kit

**COYOTE Grommet Chart for COYOTE Terminal Closures**

<table>
<thead>
<tr>
<th>PLP Catalog Number</th>
<th>Cable Range Inches (mm)</th>
<th>Description</th>
<th>Image</th>
<th>Slitting Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8003691</td>
<td>.40” - .60” (10.2 - 15.2mm)</td>
<td>1-entry grommet</td>
<td><img src="image1.jpg" alt="Image" /></td>
<td>N/A</td>
</tr>
<tr>
<td>8003692</td>
<td>.60” - .85” (15.2 - 21.6mm)</td>
<td>1-entry grommet</td>
<td><img src="image2.jpg" alt="Image" /></td>
<td>N/A</td>
</tr>
<tr>
<td>8003693</td>
<td>.85” - 1.0” (21.6 - 25.4mm)</td>
<td>1-entry grommet</td>
<td><img src="image3.jpg" alt="Image" /></td>
<td>N/A</td>
</tr>
<tr>
<td>8003694</td>
<td>1.0” - 1.25” (25.4 - 31.7mm)</td>
<td>1-entry grommet</td>
<td><img src="image4.jpg" alt="Image" /></td>
<td>N/A</td>
</tr>
<tr>
<td>8003663</td>
<td>.42” - .60” (10.7 - 15.2mm)</td>
<td>2-entry grommet</td>
<td><img src="image5.jpg" alt="Image" /></td>
<td>N/A</td>
</tr>
<tr>
<td>8004065</td>
<td>.250” - .312” (6.4 - 7.9mm)</td>
<td>4-entry grommet</td>
<td><img src="image6.jpg" alt="Image" /></td>
<td>N/A</td>
</tr>
<tr>
<td>8003664</td>
<td>.30” - .43” (7.6 - 10.8mm)</td>
<td>4-entry grommet</td>
<td><img src="image7.jpg" alt="Image" /></td>
<td>N/A</td>
</tr>
<tr>
<td>8003990</td>
<td>.50” - .60” (12.7 - 15.2mm)</td>
<td>4-entry grommet</td>
<td><img src="image8.jpg" alt="Image" /></td>
<td>N/A</td>
</tr>
<tr>
<td>8003665</td>
<td>.125” - .25” (3.2 - 6.4mm) and flat drop</td>
<td>6-entry grommet</td>
<td><img src="image9.jpg" alt="Image" /></td>
<td>N/A</td>
</tr>
<tr>
<td>8003676</td>
<td>.42” - .60” (10.7 - 15.2mm)</td>
<td>7-entry grommet</td>
<td><img src="image10.jpg" alt="Image" /></td>
<td>N/A</td>
</tr>
<tr>
<td>8004094</td>
<td>.093” - .125” (2.4 - 3.2mm)</td>
<td>8-entry grommet</td>
<td><img src="image11.jpg" alt="Image" /></td>
<td>N/A</td>
</tr>
<tr>
<td>8003677</td>
<td>.125” - .25” (3.2 - 6.4mm) and flat drop</td>
<td>8-entry grommet</td>
<td><img src="image12.jpg" alt="Image" /></td>
<td>N/A</td>
</tr>
</tbody>
</table>
**Base Preparation**

**Step #1** Remove the end plate caps from the base.

**Step #2** Determine which cable port tabs will need to be removed from the base and score the edges of each tab several times with a utility knife.

**Step #3** Remove each tab by pulling the tab outwards from the base with pliers.

**Feed & Branch Cable Preparation**

**Step #4** Measure the cable to determine the diameter and hole location to use in the grommet.

**Step #5** If using cut cable, insert the cable through the grommet. If your application requires express/balloon/ring cut cables, see Step 7 for the grommet slitting procedure.

**Step #6** Installing Figure 8 Style Cables and Cables with Tracer Wires

Remove the tracer wire or ground wire from the portion of the cable that will be positioned in the grommet and insert the cable into the grommet. Remove any burrs left on the cable caused by separating the tracer wire from the sheath.

**Cable with Tracer Wire**

- Not Correct Installation
- Correct Installation

**Figure 8 Style Cable**

- Not Correct Installation
- Correct Installation
Step #7  
**Grommet Slitting** – If slitting is required, lay the grommet on a stable flat surface. Position the utility knife with the cutting edge against the top surface and cut through the grommet. **Consult the grommet chart on page 2 for slitting locations of all grommets.**

**PLP Tip:** Use a pen to sketch slitting lines on top surface of grommet prior to cutting.

---

Step #8  
Prepare the feed, branch, and/or drop cable(s) for cut applications.

**Minimum Sheath Opening for Cut Cable Applications**

| 64” | 1.6m |

**NOTE:** Leave about 8” (203mm) of the cable strength member.

---

Step #9a  
Prepare the feed cable for mid sheath applications (Express/Balloon/Ring Cut).

**For Applications Where Fiber is Dedicated to the Splice Point**

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Cut Location</th>
<th>Sheath Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unitube/Ribbon Expressed (Mid-Sheath)</td>
<td>A</td>
<td>Min of 64” (1.6m)</td>
</tr>
</tbody>
</table>

**NOTE:** Leave about 8” (203mm) of the cable strength member.

---

Step #9b  
Prepare the feed cable for mid sheath applications (Express/Balloon/Ring Cut).

**For Applications Where Fiber is NOT Dedicated to the Splice Point**

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Cut Location</th>
<th>Sheath Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unitube/Ribbon Expressed (Mid-Sheath)</td>
<td>B</td>
<td>Min of 128” (3.2m)</td>
</tr>
</tbody>
</table>

**NOTE:** Leave about 8” (203mm) of the cable strength member.
Step #10  Trim the cable strength members 1.5" (38mm) from the cable sheath opening.

Step #11  Braid roughly 3" (76mm) of the aramid yarn and knot the end of it.

Cable Grommet Installation

Step #12  Lubricate the outer surface of each grommet. Spread the lubricant evenly around the outer surface.

Lubricate the sealing surface of the grommet with the silicone lubricant provided.

Step #13a  Position the grommets in the slots of the base.

Step #13b  FOR IN-LINE APPLICATIONS
When only one cable port is being used at an end of the closure, install a grommet with plugs inserted in it, in the unused cable port. This will balance the load of the end plate cap. NOTE: It is not necessary to break out the tab of the unused port.

DO NOT break out tab.

Make sure that the plugs are inserted in the grommet.
Step #14  Bend each leg of the cable restraint brackets upward until they contact the cable(s).

Step #15  Position the cable strength member under the cap of the cable restraint bracket. Wrap the braided aramid yarn around the screw, under the cap and tighten the cap down.

Step #16  Secure the cables to the cable restraint brackets with the hose clamps provided.

Step #17  Screw the hex head cap bolts into each end plate cap.

Step #18  Lubricate the end plate caps with the silicone lubricant that is provided on the areas indicated below.
Step #19a  Install the end plate caps in the pockets of the base. Tighten the bolts of each end plate cap evenly until the end plate cap is fully sealed.

**DO NOT USE POWER TOOLS TO TIGHTEN THE BOLTS.**

---

**NOTE:** When both cable ports are not being used at an end of the closure, it is not necessary to install grommets under the blank end plate cap.

---

Step #19b  Check to see if the end plate caps are fully seated. The caps will be fully seated when puckering of the sealing surface occurs.

---

**Buffer Tube Routing**

Step #20  Install the tie down clips in the bottom of the base and route the expressed buffer tubes of the feed cable under the clips as shown below.

---

Step #21  Route the feed buffer tube(s) with the fibers to be spliced under the tie down clip as shown below.

---

Step #22  Secure all the buffer tubes under the tie down clips with tie wraps.
Step #23 Install the splice tray restraint straps onto the cable restraint brackets.

Step #24 Install the organizer studs into the cable restraint brackets.

Step #25 Place the splice tray onto the organizer studs and route the buffer tubes to the splice tray.

Step #26 Measure and mark each pigtail as shown below. Remove the jacket of each pigtail beyond the marked location.

Step #27 Install the pigtails into the LITE-GRIP® sleeves and install the sleeves into the channels of the splice tray.

Step #28 Route incoming fibers in the splice tray.

Fibers
1 - 12
21 - 32

Fibers
13 - 20
33 - 40
Step #29  Route outgoing fibers in the splice tray.

Fibers  
1 - 12  
21 - 32

Fibers  
13 - 20  
33 - 40

Step #30  Splice the incoming fibers to the outgoing fibers per your accepted company practice.

Step #31  Secure the splice tray with the splice tray restraint straps.

Step #32  Lubricate the cover gasket with the silicone lubricant provided.

Step #33  Attach the cover to the base with the hinge posts.

NOTE: Make sure that the hinge posts are installed on the opposite side from where the pigtailed are exiting the splice tray.

Step #34  Remove the covers from the hardened adapters that will be used.
Step #35  Route the pigtails to the hardened adapters of the cover as shown below and insert the connectors into the adapters.

NOTE: Make sure to align the tab of the connector with the slot of the adapter when inserting the connector into the adapter.

Step #36  Secure the cover to the base by hand tightening the hex head bolts.  

DO NOT USE POWER TOOLS TO TIGHTEN THE BOLTS.

Step #37  Retighten all of the bolts to ensure that the cover is fully seated on the base.

DO not over tighten the end bosses

The cover and base will touch when the cover is fully seated

Step #38  Remove the cap from the air valve of the cover.

Step #39  Pressurize the closure up to a maximum of 5 psi.

Step #40  Spray all of the sealing surfaces of the closure with soapy water to determine if there are any leaks.

Flash Test Procedure
Step #41: Release the pressure in the closure using the bump on the top of the air valve cap.

Bump of Air Valve Cap

Step #42: Install the cap back onto the air valve.

Step #43: Align the arrow of the connector with the notch of the adapter and insert the connector into the adapter.

Connector Arrow
Adapter Notch

Step #44: Rotate the threaded sleeve of the connector until it is secured into the adapter.

Aerial Mounting Bracket Installation

Step #45: COYOTE® In-Line RUNT Strand Aerial Mounting Bracket Kit (PLP Cat.#: 8003797)

Assemble the bug nuts to the aerial bracket as shown below.
Step #46  COYOTE® In-Line RUNT Strand Aerial Mounting Bracket Kit (PLP Cat.#: 8003797)
Secure the aerial bracket to the bottom of the base with the self-tapping screws as shown below.

Step #47  COYOTE® In-Line RUNT Strand Aerial Mounting Bracket Kit (PLP Cat.#: 8003797)
Mount the closure to the strand with the bug nuts.

Step #48  COYOTE® In-Line RUNT ADSS Aerial Mounting Bracket Kit (PLP Cat.#: 8003864)
Assemble the ADSS clamps to the aerial bracket as shown below.

Step #49  COYOTE® In-Line RUNT ADSS Aerial Mounting Bracket Kit (PLP Cat.#: 8003864)
Secure the aerial bracket to the bottom of the base with the self-tapping screws as shown below.
Step #50  COYOTE® In-Line RUNT ADSS Aerial Mounting Bracket Kit (PLP Cat.#: 8003864)

Mount the closure to the dead-end with the ADSS clamps.

Step #51  COYOTE® In-Line RUNT Pole/Wall Mounting Bracket Kit (PLP Cat.#: 8003703)

Secure one of the notched brackets to the mounting bracket with the bolts and nuts provided.

Step #52  COYOTE® In-Line RUNT Pole/Wall Mounting Bracket Kit (PLP Cat.#: 8003703)

Secure the mounting bracket to the pole/wall with either bolts or banding per your company practice. Make sure that the notched bracket is located at the bottom of the mounting bracket when the bracket is being secured to the pole/wall.
Step #53 COYOTE® In-Line RUNT Pole/Wall Mounting Bracket Kit (PLP Cat.#: 8003703)

Slide the closure onto the notched bracket. Make sure that the notched bracket rests in the clearance pockets of the closure.

Step #54 COYOTE® In-Line RUNT Pole/Wall Mounting Bracket Kit (PLP Cat.#: 8003703)

Secure the remaining notched bracket to the top of the mounting bracket with the bolts and nuts provided. Make sure that the notched bracket rests in the clearance pockets of the closure.

Step #55 COYOTE® In-Line RUNT Pole/Wall Mounting Bracket Kit (PLP Cat.#: 8003703)

Completed installation of pole/wall mounting bracket shown below.

Hand Hole Mounting Bracket Installation

Step #56 COYOTE® In-Line RUNT Hand Hole Mounting Bracket Kit (PLP Cat.#: 8003835)

Secure the universal mounting bracket to the inner wall of the hand hole with the 2 screws provided.
Step #57  COYOTE® In-Line RUNT Hand Hole Mounting Bracket Kit
(PLP Cat.#: 8003835)

Secure the hanger brackets to the bottom of the base with the self-tapping screws as shown below.

Step #58  COYOTE® In-Line RUNT Hand Hole Mounting Bracket Kit
(PLP Cat.#: 8003835)

Slide the hanger brackets into the proper slots of the universal mounting bracket and snap the hinged cover of the universal mounting bracket into place to secure the hanger brackets.
SAFETY CONSIDERATIONS

This application procedure is not intended to supersede any company construction or safety standards. This procedure is offered only to illustrate safe application for the individual. **FAILURE TO FOLLOW THESE PROCEDURES MAY RESULT IN PERSONAL INJURY OR DEATH.**

Do not modify this product under any circumstances.

This product is intended for use by trained technicians only. **This product should not be used by anyone who is not familiar with, and not trained to use it.**

When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact. Be sure to wear proper safety equipment per your company protocol.

For proper performance and personal safety, be sure to select the proper size PREFORMED™ product before application. PREFORMED products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.