COYOTE® Terminal Dome Closure 6.5" x 22"

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

**NOMENCLATURE**

1. Dome Cover (1)
2. Organizer Assembly with Hardened Adapter End Plate (1)
3. LITE-GRIP® Long Splice Tray (1)
4. Dome Collar (1)
5. Dome Gasket (1)
6. Short Strength Member Bracket (2)
7. Nut (4)
8. Lock Washer (4)
9. Transition Tube Kit (3) – Only in Kits for Unitube/Ribbon Applications
10. Pigtail Kit (1)
11. Grommet (2)
12. Hose Clamp (4)
13. Silicone Lubricant (1 five gram packet)

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**COYOTE Drop Closure Kits 6.5" x 22"**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COYTD622B0-000</td>
<td>COYOTE Terminal Dome Closure for Buffer Tube Applications with 0 Hardened Adapter (All plugs). Includes: (2) Grommets, (1) Organizer Assembly, and End Plate with all plugs, (1) Collar Assembly, (1) Gasket, (1) Small Parts Bag, (1) Pigtail Kit, &amp; (1) LITE-GRIP® Splice Tray</td>
</tr>
<tr>
<td>COYTD622R0-000</td>
<td>COYOTE Terminal Dome Closure for Unitube Applications with 0 Hardened Adapter (All plugs). Includes: (2) Grommets, (1) Organizer Assembly, and End Plate with all plugs, (1) Collar Assembly, (1) Gasket, (1) Small Parts Bag, (3) Transition Tube Kits, (1) Pigtail Kit, &amp; (1) LITE-GRIP® Splice Tray</td>
</tr>
<tr>
<td>COYTD622B1-000</td>
<td>COYOTE Terminal Dome Closure for Buffer Tube Applications with 1 Hardened Adapter. Includes: (2) Grommets, (1) Organizer Assembly, and End Plate with 1 Hardened Adapter, (1) Collar Assembly, (1) Gasket, (1) Small Parts Bag, (1) Pigtail Kit, &amp; (1) LITE-GRIP® Splice Tray</td>
</tr>
<tr>
<td>COYTD622R1-000</td>
<td>COYOTE Terminal Dome Closure for Unitube/Ribbon Applications with 1 Hardened Adapter. Includes: (2) Grommets, (1) Organizer Assembly, and End Plate with 1 Hardened Adapter, (1) Collar Assembly, (1) Gasket, (1) Small Parts Bag, (3) Transition Tube Kits, (1) Pigtail Kit, &amp; (1) LITE-GRIP® Splice Tray</td>
</tr>
<tr>
<td>COYTD622B2-000</td>
<td>COYOTE Terminal Dome Closure for Buffer Tube Applications with 2 Hardened Adapters. Includes: (2) Grommets, (1) Organizer Assembly, and End Plate with 2 Hardened Adapters, (1) Collar Assembly, (1) Gasket, (1) Small Parts Bag, (1) Pigtail Kit, &amp; (1) LITE-GRIP® Splice Tray</td>
</tr>
<tr>
<td>COYTD622R2-000</td>
<td>COYOTE Terminal Dome Closure for Unitube/Ribbon Applications with 2 Hardened Adapters. Includes: (2) Grommets, (1) Organizer Assembly, and End Plate with 2 Hardened Adapters, (1) Collar Assembly, (1) Gasket, (1) Small Parts Bag, (3) Transition Tube Kits, (1) Pigtail Kit, &amp; (1) LITE-GRIP® Splice Tray</td>
</tr>
<tr>
<td>COYTD622B3-000</td>
<td>COYOTE Terminal Dome Closure for Buffer Tube Applications with 3 Hardened Adapters. Includes: (2) Grommets, (1) Organizer Assembly, and End Plate with 3 Hardened Adapters, (1) Collar Assembly, (1) Gasket, (1) Small Parts Bag, (1) Pigtail Kit, &amp; (1) LITE-GRIP® Splice Tray</td>
</tr>
<tr>
<td>COYTD622R3-000</td>
<td>COYOTE Terminal Dome Closure for Unitube/Ribbon Applications with 3 Hardened Adapters. Includes: (2) Grommets, (1) Organizer Assembly, and End Plate with 3 Hardened Adapters, (1) Collar Assembly, (1) Gasket, (1) Small Parts Bag, (3) Transition Tube Kits, (1) Pigtail Kit, &amp; (1) LITE-GRIP® Splice Tray</td>
</tr>
<tr>
<td>COYTD622B4-000</td>
<td>COYOTE Terminal Dome Closure for Buffer Tube Applications with 4 Hardened Adapters. Includes: (2) Grommets, (1) Organizer Assembly, and End Plate with 4 Hardened Adapters, (1) Collar Assembly, (1) Gasket, (1) Small Parts Bag, (1) Pigtail Kit, &amp; (1) LITE-GRIP® Splice Tray</td>
</tr>
<tr>
<td>COYTD622R4-000</td>
<td>COYOTE Terminal Dome Closure for Unitube/Ribbon Applications with 4 Hardened Adapters. Includes: (2) Grommets, (1) Organizer Assembly, and End Plate with 4 Hardened Adapters, (1) Collar Assembly, (1) Gasket, (1) Small Parts Bag, (3) Transition Tube Kits, (1) Pigtail Kit, &amp; (1) LITE-GRIP® Splice Tray</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Accessory Kits</th>
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</thead>
<tbody>
<tr>
<td>8080456</td>
</tr>
<tr>
<td>8003715</td>
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<tr>
<td>8003724</td>
</tr>
<tr>
<td>80080972</td>
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<table>
<thead>
<tr>
<th>Mounting Brackets</th>
</tr>
</thead>
<tbody>
<tr>
<td>8003831</td>
</tr>
<tr>
<td>8003833</td>
</tr>
<tr>
<td>8003851</td>
</tr>
<tr>
<td>8003702</td>
</tr>
<tr>
<td>8003835</td>
</tr>
</tbody>
</table>

### COYOTE® Grommet Chart

For use in COYOTE GLC, Aerial, LCC, Dome, In-Line RUNT, Taut & Terminal Closures

<table>
<thead>
<tr>
<th>PLP Catalog Number</th>
<th>Cable Range Inches (mm)</th>
<th>Description</th>
<th>Splitting Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8003691</td>
<td>.40 - .60 (10.2 - 15 mm)</td>
<td>1-entry grommet</td>
<td></td>
</tr>
<tr>
<td>8003692</td>
<td>.60 - .85 (15 - 22 mm)</td>
<td>1-entry grommet</td>
<td></td>
</tr>
<tr>
<td>8003693</td>
<td>.85 - 1.0 (22 - 25 mm)</td>
<td>1-entry grommet</td>
<td></td>
</tr>
<tr>
<td>8003694</td>
<td>1.0 - 1.25 (25 - 32 mm)</td>
<td>1-entry grommet</td>
<td></td>
</tr>
<tr>
<td>8003663</td>
<td>.42 - .60 (11 - 15 mm)</td>
<td>2-entry grommet</td>
<td></td>
</tr>
<tr>
<td>8003664</td>
<td>.30 - .43 (8 - 11mm)</td>
<td>4-entry grommet</td>
<td></td>
</tr>
<tr>
<td>8004065</td>
<td>.250 - .312 (6.4 - 7.9 mm)</td>
<td>4-entry grommet</td>
<td></td>
</tr>
<tr>
<td>8003990</td>
<td>.50 - .60 (12.7 - 15.2) and flat drop</td>
<td>4-entry grommet</td>
<td></td>
</tr>
<tr>
<td>8003665</td>
<td>.125 - .25 (3 - 6 mm)</td>
<td>6-entry grommet</td>
<td></td>
</tr>
<tr>
<td>8003676</td>
<td>.42 - .60 (11 - 15 mm)</td>
<td>7-entry grommet</td>
<td></td>
</tr>
<tr>
<td>8003677</td>
<td>.125 - .25 (3 - 6 mm)</td>
<td>8-entry grommet</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Grommet Kit contains (1) Grommet, (1) Cable Measure Tape, (2) Silicone Lubricant Packs, (1) Set of Plugs & (1) Glove
END PLATE PREPARATION

Step #1 Measure cable to determine diameter and hole location to use in grommet.

Step #2a If using cut cable, insert cable through grommet. If your application requires express/balloon/ring cut cables, see Step 3 for grommet slitting procedure.

Cable Diameter Range

Install plug in unused port.

Step #2b Installing Figure 8 Style Cables and Cables with Tracer Wires

Remove tracer wire or ground wire from the portion of the cable that will be positioned in the grommet and insert cable into grommet.

Cable with Tracer Wire

NOT CORRECT

Correct Installation

Figure 8 Style Cable

NOT CORRECT

Correct Installation

Step #3 Grommet Slitting – If slitting is required, lay grommet on a stable flat surface. Position utility knife with the cutting edge against the top surface and cut through grommet. Consult 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.

NOT CORRECT

Correct Slitting Angle
**Step #4** Prepare loose tube/buffer tube or unitube/ribbon cable(s) for cut applications.

<table>
<thead>
<tr>
<th>Minimum Sheath Opening for Cut Cable Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>82&quot; (2.1 m)</td>
</tr>
</tbody>
</table>

**PLP Tip:** Leave about 8" (203 mm) of strength member to trim later.

---

**Cable Sheath Opening for Applications Where Fiber is Dedicated to the Splice Point**

**Step #5a** Prepare loose tube/buffer tube or unitube/ribbon cable(s) for mid sheath applications (Express/Balloon/Ring Cut).

**NOTE:** When expressing ribbons in the transition tray of the closure at this measurement, the maximum number of ribbons that can be expressed is 36 ribbons (432 fibers).

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**Cable Sheath Opening for Applications Where Fiber is NOT Dedicated to the Splice Point**

| Step #5b Prepare loose tube/buffer tube or unitube/ribbon cable(s) for mid sheath applications (Express/Balloon/Ring Cut). |

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

<table>
<thead>
<tr>
<th>Sheath Opening</th>
<th>164&quot; (4.2 m) Min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber/Buffer Tube Cut Location</td>
<td>B (see image above)</td>
</tr>
</tbody>
</table>

**PLP Tip:** Leave about 8" (203 mm) of strength member to trim later.

---

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

<table>
<thead>
<tr>
<th>Sheath Opening</th>
<th>82&quot; (2.1 m) Min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber/Buffer Tube Cut Location</td>
<td>A (see image above)</td>
</tr>
</tbody>
</table>

**PLP Tip:** Leave about 8" (203 mm) of strength member to trim later.
Step #8a Align sheath opening with end of slot of the strength member bracket as shown.

Step #8b Trim strength member(s) flush with end of the strength member bracket(s).

Step #9 Install cap on strength member bracket.

Step #10 Position strength member(s) under cap of strength member bracket.

Cable Sheath Opening for Applications Where Fiber is Expressed through the Buffer Tube

Step #5c Prepare loose tube/buffer tube cable(s) for expressed fiber (buffer tube window cut).

For Applications Where Fiber is Expressed through the Buffer Tube

<table>
<thead>
<tr>
<th>Sheath Opening</th>
<th>137&quot; (3.5 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buffer Tube Opening Location</td>
<td>C (see image above)</td>
</tr>
</tbody>
</table>

PLP Tip: Leave about 8" (203 mm) of strength member to trim later.

Step #6 Prepare central/buffer tube(s) for unitube/ribbon cable applications.

Step #7 If the cable contains Kevlar®, braid roughly 3" (7.2 cm) of the Kevlar.

Kevlar® is a registered trademark of DuPont™ Company.
Step #11 If the cable contains Kevlar®, wrap the braided Kevlar around the stud of the cap as shown.

Step #12 Tighten nut of cap to secure strength member and braid under the cap.

Step #13 Secure cable to strength member bracket with hose clamp.

Attaching Shielded Cable to Strength Member Bracket

Step #14a For shielded cable applications, PLP recommends using a 3M 4460–D/FO Fiber Optic Shield Connector (PLP PN: 80803989), install shield connector on cable and insert stud of shield connector through slot of strength member bracket.

**NOTE:** Visually inspect to confirm buffer tubes are not pinched or distorted as shield connector is secured to bracket.

Follow standard company practices when applying shield connector to cable.

Step #14b Secure shield connector to strength member bracket with nut and secure cable strength member under cap of the strength member bracket.

**NOTE:** Visually inspect to confirm buffer tubes are not pinched or distorted as shield connector is secured to bracket.

Step #14c Secure shielded cable to strength member bracket with hose clamp.

**NOTE:** Visually inspect to confirm buffer tubes are not pinched or distorted as the hose clamp is tightened against cable and bracket.
**Step #15a** Lubricate the outer surface of the grommet.

Lubricate sealing surface of grommet with silicone lubricant provided.

**Step #16a** Position slot of strength member bracket leg over stud and pull back cable.

Do not align grommet slit with end plate seam.

**Step #15b** Position grommet in end plate slot.

**Step #16b** Secure strength member bracket on stud with lock washer and nut.

Nut and lock washer

**Step #17** Install cable cap and secure with hex bolts.

NOTE: Tighten bolts by hand evenly until cable cap is fully seated (DO NOT USE POWER TOOLS TO TIGHTEN BOLTS).

NOTE: TIGHTEN ALL UNUSED CABLE CAPS.

**Step #18** Complete end plate assembly.
**Buffer Tube Applications**

**Step #19**  
Route and store buffer tubes in storage brackets.

**Step #20**  
Route the buffer tube(s) to the splice tray(s) and secure.

**Step #21**  
Route and secure central tube of unitube cables to transition tray and secure with tie wraps.

**Step #22**  
Route feeder fibers or ribbons within transition tray.

**Step #23**  
Install organizer clips and route expressed fibers ribbons under clips.
Step #24  Insert fibers or ribbons to be routed to splice tray(s) into transport tube(s) and secure tubes to transition tray with tie wraps.

Step #25  Install cover on transition tray.

Step #26  Route transport tube(s) to splice tray(s) and secure.

Step #27  Measure and mark pigtail. Remove the pigtail jacket and Kevlar® beyond this mark.

Minimum of 28" (71 cm) from connector edge

Step #28  Install pigtails into LITE-GRIP® Sleeve.

Step #29  Install LITE-GRIP® Sleeve with pigtails into splice tray.
**Splice Tray Management**

**Step #30** Route incoming fibers into splice tray.

**Step #31** Route outgoing pigtail fibers into splice tray.

**Step #32** Splice incoming fibers to outgoing pigtail fibers per your accepted company practices.

**Step #33** Secure splice tray(s) with hold down strap.

**Pigtail Routing**

**Step #34** Route pigtails to end plate as shown.

**Step #35** Install pigtail connectors into adapters.

**Dome & Collar Installation**

**Step #36** Lubricate all surfaces around gasket with silicone lubricant to assure easy assembly and closure re-entry.

Lubricate all outer surfaces of the gasket.

Lubricate all inner surfaces of the gasket.
Step #37  Slide end plate gasket onto end plate and press into groove.

Make sure gasket is fully seated in groove of end plate.

Step #39  Work the gasket into the groove.

Step #38  Re-tighten all cable cap bolts (step #17) to assure that the cable caps are fully seated. When using a can wrench or nut driver, the installed torque is 35 to 40 in-lbs.

Step #40  Position the dome over end plate.

Step #41  Position the collar flat on the work surface in front of the closure as shown below.

Step #42  While holding the collar in place, compress a portion of the end plate into the dome and insert them in the groove of the collar near the latch, as shown below.

Step #43  While holding the collar in place, push against the end of the dome and slightly lift and push the other half of the dome up and over the lip of the collar with your fingers to fully install the dome in the collar half.
Step #44 Check to make sure the lip of the dome is captured within the collar half

Front Side

Lip of dome is captured within collar.

Back Side

Lip of dome is captured within collar.

Step #45 Install the other collar half onto the closure.

Step #46 Secure the collar with the latch and pin.

Flash Test Procedure

Step #47 Remove cap from air valve of end plate.

Step #48 Pressurize closure up to a max of 10psi.
Step #49a  Spray all sealing surfaces of the dome end plate with soapy water to determine if there are any leaks.

Step #49b  Make sure to spray and check for leaks around the O-Rings of the hardened adapters and plugs.

Step #50  Release the pressure in the closure using the bump on the top of the air valve cap.

Common End Plate Leaks During Flash Testing

Leaks may occur at the corner of the cable port due to the cap of the cable port not being fully tightened.

Leaks may occur at the cable entry of the grommet due to the cable not being within the stated cable diameter range of the grommet.

Leak occurring at the corner of the cable port

Leak occurring at the cable entry of the grommet
Aerial Mounting Options

Step #51a For 6.5" Dome Strand Mount Aerial Offset Bracket Kit (P/N: 8004035) and 6.5" Dome ADSS Mount Aerial Offset Bracket Kit (P/N: 8004036).
Assemble each bug nut or ADSS clamp to each top aerial offset bracket as shown below.

Step #51b For 6.5" Dome Strand Mount Aerial Offset Bracket Kit (P/N: 8004035) and 6.5" Dome ADSS Mount Aerial Offset Bracket Kit (P/N: 8004036).
For Shorter Spacing. Align the top aerial offset bracket with the bottom aerial offset bracket in either Position 1 or Position 2 as shown below. Secure the top aerial offset bracket to the bottom aerial offset bracket with the bolts and keps nuts provided.

Step #51c For 6.5" Dome Strand Mount Aerial Offset Bracket Kit (P/N: 8004035) and 6.5" Dome ADSS Mount Aerial Offset Bracket Kit (P/N: 8004036).
For Taller Spacing. Align the top aerial offset bracket with the bottom aerial offset bracket in either Position 1 or Position 2 as shown below. Secure the top aerial offset bracket to the bottom aerial offset bracket with the bolts and keps nuts provided.

Step #52 6.5" Dome Strand Mount Aerial Offset Bracket Kit (P/N: 8004035) and 6.5" Dome ADSS Mount Aerial Offset Bracket Kit (P/N: 8004036).
Insert hose clamp through slots in each of the bottom aerial offset brackets.

Step #53 6.5" Dome Strand Mount Aerial Offset Bracket Kit (P/N: 8004035) and 6.5" Dome ADSS Mount Aerial Offset Bracket Kit (P/N: 8004036).
Tighten each hose clamp around the dome.
Step #54  6.5" Dome Strand Mount Aerial Offset Bracket Kit (P/N: 8004035) and 6.5" Dome ADSS Mount Aerial Offset Bracket Kit (P/N: 8004036). Bracket installed on dome closure.

Step #55  COYOTE Universal Mounting Bracket for Hand Hole Applications (P/N: 8003835). Secure the Universal Mounting Bracket to the inner wall of the hand hole using 2 screws.

Step #56  COYOTE Universal Mounting Bracket for Hand Hole Applications (P/N: 8003835). Insert banding (plastic or metal) through the slots of the hanger brackets.

Step #57  COYOTE Universal Mounting Bracket for Hand Hole Applications (P/N: 8003835). Position the brackets in the banding channels of the dome. Tighten the banding until the brackets are secure.

Step #58  COYOTE Universal Mounting Bracket for Hand Hole Applications (P/N: 8003835). Slide the hanger brackets into the proper slots of the Universal Mounting Bracket and snap the hinged lid into place to secure the hanger brackets.
Step #59  The 6.5" COYOTE Dome Pole/Wall Mount Bracket (P/N: 8003702).

Position the bolts through the stud mount plate as shown, and install lock nuts on bolts until there is a 1/8" (3 mm) gap between the nut and the stud mount plate.

Step #60  The 6.5" COYOTE Dome Pole/Wall Mount Bracket (P/N: 8003702).

Slide the bolts of stud mount plate into the slots of the pole/wall mount bracket as shown and tighten the lock nuts until the plates are secure.
Step #61  The 6.5” COYOTE Dome Pole/Wall Mount Bracket (P/N: 8003702).

Attach the dome pole/wall mount bracket to a pole or wall with either 5/8” through bolts, 1/4” lag screws, or banding straps.

Step #62  The 6.5” COYOTE Dome Pole/Wall Mount Bracket (P/N: 8003702).

Attach the COYOTE Dome closure to the pole/wall mount bracket by inserting the studs of the dome closure end plate through the stud holes of the stud mount plate and securing with the lock nuts provided.

1/4” Lag Screw Hole

Banding Slots  1/4” Lag Screw Hole  5/8” Through Bolt Holes

Secure Lock Nuts
Step #63a  Dome Aerial Mounting Bracket – Dome Mount – for 6.5 x 17” or 6.5 x 22” Dome Closures. The COYOTE® Dome Mount Aerial Bracket Kit (Cat. No. 8003831) can be used to suspend the COYOTE Dome Closure from messenger wire. To install the dome mount aerial brackets, position the brackets in the banding channels of the dome and insert banding (plastic or metal) through the slots of the brackets. Tighten the banding until the brackets are secure before mounting the closure to the messenger wire with the bug nuts of the brackets.

Step #63b  6.5 x 17” or 6.5 x 22” Dome Mount Aerial Bracket – Dome Mount – for ADSS Applications. The COYOTE Dome Mount Aerial Bracket Kit for ADSS (Cat. No. 8003833) can be used to suspend the 6.5” x 17” or 6.5” x 22” COYOTE Dome Closure from ADSS cable. To install the Dome Mount Aerial Brackets, position the brackets in the banding channels of the dome and insert banding (plastic or metal) through the slots of the brackets. Tighten the banding until the brackets are secure before mounting the closure to the ADSS cable dead-end with the ADSS clamp.
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.

For proper performance and personal safety, be sure to select the proper size PREFORMED™ product before application.

PREFORMED products are precision devices. To insure proper performance, they should be stored in cartons under cover and handled carefully.