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. Dome Collar (1)  
3. Transport Tubing Kit (1)  
   (In Dome Kit for Unitube/Ribbon Applications)  
4. Dome Gasket (1)  
5. Cable Grommet (4)  
6. Hose Clamp (4)  
7. Organizer Assembly with 7-Port End Plate (1)  
   (Unitube/Ribbon Version Shown)  
8. Extended Strength Member Bracket (4)  
9. 1/4-20 Hex Nut (4)  
10. Silicone Lubricant (4 five gram packets)  
11. Strength Member Adapter Cap Stud (2)  
12. Strength Member Adapter (2)  

Tools Required:

- 3/8” and 7/16” can wrench or Socket
- 1/4” nut driver or screwdriver
- Snips
- Fiber optic cable opening tools

COYOTE Drop Closure Kits

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>80061055</td>
<td>COYOTE 9.5”x28” Dome Closure for Buffer Tube Applications. Includes: (4) Grommets, (1) Buffer Tube Organizer Assembly with 7-Port End Plate, (1) Collar Assembly, (1) Gasket, (4) Extended Strength Member Brackets, (1) Strength Member Adapter Kit, (1) Disposable Glove, (4) Silicone Lubricant Packets &amp; (4) Hose Clamps</td>
</tr>
<tr>
<td>80061056</td>
<td>COYOTE 9.5”x28” Dome Closure for Unitube/Ribbon Applications. Includes: (4) Grommets, (1) Transition Tray Organizer Assembly with 7-Port End Plate, (1) Collar Assembly, (1) Gasket, (4) Extended Strength Member Brackets, (1) Strength Member Adapter Kit, (1) Transition Tubing Kit, (1) Disposable Glove, (4) Silicone Lubricant Packets &amp; (4) Hose Clamps</td>
</tr>
<tr>
<td>80061057</td>
<td>COYOTE 9.5”x28” Dome Closure for Maximum Tray Capacity. Includes: (4) Grommets, (1) Splice Tray Only Organizer Assembly with 7-Port End Plate Assembly, (1) Collar Assembly, (1) Gasket, (4) Extended Strength Member Brackets, (1) Strength Member Adapter Kit, (1) Tray Retention Clip Kit, (1) Disposable Glove, (4) Silicone Lubricant Packets &amp; (4) Hose Clamps</td>
</tr>
</tbody>
</table>

Accessory Kits

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>80808456</td>
<td>COYOTE Dome End Plate Fixture</td>
</tr>
<tr>
<td>80808651</td>
<td>Extended Strength Member Bracket Kit</td>
</tr>
<tr>
<td>80808878</td>
<td>Large Strength Member Accommodation Kit</td>
</tr>
</tbody>
</table>

Mounting Brackets

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8003940</td>
<td>Aerial Mounting Bracket (Dome Mount) – for Strand Mounted Applications</td>
</tr>
<tr>
<td>8003869</td>
<td>Aerial Mounting Bracket (Dome Mount) – for ADSS Applications</td>
</tr>
<tr>
<td>8003941</td>
<td>Aerial Mounting Bracket (End Plate Mount) – for ADSS Applications</td>
</tr>
<tr>
<td>8003942</td>
<td>Pole/Wall Mounting Bracket</td>
</tr>
</tbody>
</table>
### Splice Trays for COYOTE 9.5" x 28" Dome

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8001127</td>
<td>Low Profile Splice Tray with plastic splice blocks (36 splice count)</td>
</tr>
<tr>
<td>80807769</td>
<td>Low Profile Splice Tray (blank) – no splice blocks (36 splice count)</td>
</tr>
<tr>
<td>80805514</td>
<td>Standard Splice Tray with elastomeric splice blocks – single fusion and mechanical splices (36 splice count)</td>
</tr>
<tr>
<td>80805110</td>
<td>Standard Splice Tray with rigid slots (36 splice count)</td>
</tr>
<tr>
<td>80805509</td>
<td>Standard Splice Tray (blank) – no splice blocks (36 splice count)</td>
</tr>
<tr>
<td>80805515</td>
<td>Ribbon Splice Tray with elastomeric splice blocks (144 splice count)</td>
</tr>
<tr>
<td>80805146</td>
<td>Ribbon Splice Tray with rigid slots (144 splice count)</td>
</tr>
<tr>
<td>80805510</td>
<td>Ribbon Splice Tray (blank) – no splice blocks (144 splice count)</td>
</tr>
<tr>
<td>LGST340</td>
<td>LITE-GRIP® Splice Tray with Yellow 8-Hole LITE-GRIP splice blocks – single fusion splices (Splice tray is provided with splice blocks to support 40 splices but has the capacity for 80 splices). Splice Block Kit (Cat. # LGSBS8-5) is required to achieve maximum tray capacity.</td>
</tr>
<tr>
<td>LGST341</td>
<td>LITE-GRIP® Splice Tray with Purple 3-Hole LITE-GRIP splice blocks – mass fusion/ribbon splices (216 splice count)</td>
</tr>
</tbody>
</table>

### Splice Tray/Closure Capacities

<table>
<thead>
<tr>
<th>Splice Tray</th>
<th>Buffer Tube Application</th>
<th>Unitube/Ribbon Application</th>
<th>Maximum Tray Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>P/N 80061055</td>
<td>P/N 80061056</td>
<td>P/N 80061057</td>
</tr>
<tr>
<td>Low Profile</td>
<td>Single Fusion</td>
<td>13 Trays per Closure</td>
<td>468 Closure Splice Capacity</td>
</tr>
<tr>
<td>Standard</td>
<td>Single Fusion or Mechanical</td>
<td>10 Trays per Closure</td>
<td>360 Closure Splice Capacity</td>
</tr>
<tr>
<td>Ribbon</td>
<td>Mass Fusion</td>
<td>7 Trays per Closure</td>
<td>1,008 Closure Splice Capacity</td>
</tr>
<tr>
<td>LITE-GRIP</td>
<td>Single Fusion</td>
<td>7 Trays per Closure</td>
<td>560 Closure Splice Capacity</td>
</tr>
<tr>
<td>LITE-GRIP</td>
<td>Mass Fusion</td>
<td>7 Trays per Closure</td>
<td>1,512 Closure Splice Capacity</td>
</tr>
</tbody>
</table>

**NOTE:** Splice Tray Catalog number corresponds to buffer tube application as 80061055 and unitube/ribbon application as 80061056.
END PLATE PREPARATION

Step #1a Remove end plate and organizer from dome.

Step #1b Determine which cable ports will be used and mark the respective breakout tabs of end plate.

**NOTE:** If cables are routed in bottom storage brackets, use cable ports 4 & 5. If cables are routed in side storage brackets, use cable ports 3 & 6.

Step #1c Remove the end plate caps from the selected cable ports and break out the tabs.

**PLP Tip:** Scoring edges of tabs with knife makes them break out easier.

Step #2 Optional Step

For better stability during cable installation and fiber splicing, install the end plate onto the COYOTE® Dome End Plate Fixture (see Steps 3a-b for installation details).

Step #3a Optional Step

Install support bracket onto base.

Loosen wing nut so slotted tab of support bracket can slide behind wing nut.

Position support bracket onto base and secure with wing nuts.

Base can be secured to work surface with either clamps or with bolts.

**NOTE:** Do not tighten wing nut until end plate is installed.

Step #3b Optional Step

Seat the end plate onto the cushion wedges and secure support bracket to stud of end plate.

The outside surface of the end plate must rest against the support bracket.

Support Bracket

Hand tighten any loose wing nuts to secure end plate to fixture.
Step #4 Lay cable into entry point and mark for grommet and sheath opening locations.

Grommet location
2.5" (6 cm)

Step #5 Measure cable to determine diameter and hole location to use in grommet.

Step #6 If using cut cable, insert cable through grommet. If your application requires express cable, see Step 7 for grommet slitting procedure.

Step #7 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.

Step #8a Cable preparation for loose tube or ribbon cables.

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

Step #8b Cable preparation for loose tube or ribbon cables.

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

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Cut Location</th>
<th>Sheath Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cut Cable</td>
<td>A</td>
<td>96” (2.4 m)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Cut Location</th>
<th>Sheath Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buffer Tube Expressed (Mid Sheath)</td>
<td>A</td>
<td>146” (3.7 m)</td>
</tr>
<tr>
<td>Buffered or Non-Buffered Ribbon Expressed (Mid Sheath)</td>
<td>A</td>
<td>150” (3.8 m)</td>
</tr>
<tr>
<td>Buffer Tube or Non-Buffered Ribbon Expressed (Mid Sheath)</td>
<td>B</td>
<td>80” (2.0 m)</td>
</tr>
<tr>
<td>Buffered Ribbon Expressed (Mid Sheath)</td>
<td>B</td>
<td>96” (2.4 m)</td>
</tr>
</tbody>
</table>

1When expressing ribbons in the transition tray of the closure at this measurement, the maximum number of ribbons that can be expressed is 36 (432 fibers).
**Step #8c** Cable preparation for expressed fiber (buffer tube window cut) applications.

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

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Sheath Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expressed Fiber (Buffer Tube Window Cut)</td>
<td>146” (3.7 m)</td>
</tr>
</tbody>
</table>

**Step #9** For ribbon feeder cables, leave 6.5” (17 cm) of the central tube from the sheath opening when removing the central tube.

**Step #10** If shielded cable is being used, install shield connector on shielded cables. See Step #13b and 13c for recommended bonding practice.

**Step #11a** Lubricate the outer surface of the grommet.

**Step #11b** Position grommet in end plate slot.

**Step #11c** Lubricate sealing surface of grommet with silicone lubricant provided.

Do not align grommet slit with end plate seam.

**Step #12a** Re-lubricate the cable cap with the silicone lubricant provided.

Follow standard company practices.

*Configuration Sheath Opening*

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Sheath Opening</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expressed Fiber (Buffer Tube Window Cut)</td>
<td>146” (3.7 m)</td>
</tr>
</tbody>
</table>
Step #12b  Install cable cap and secure with hex bolts. Tighten bolts by hand evenly until cable cap is fully seated (DO NOT USE POWER TOOLS TO TIGHTEN BOLTS).

NOTE: Do not exceed more than 50 in-lbs. of torque when tightening bolts.

NOTE: TIGHTEN ALL UNUSED CABLE CAPS.

Step #13  Secure extended strength member bracket to grounding stud with external tooth lock washer and hex nut. For bonding, orientate cable so the shield connector faces the top of the strength member bracket.

Step #14  If bonding is required, install the stud of the shield connector through the slot of the extended strength member bracket and secure with nut.

Step #15a  For large cable strength members, assemble the adapter to the bracket as shown.

Step #15b  Trim large cable strength member(s) 1/2" past the end of the adapter. Secure cable strength member(s) to adapter with small hose clamp.

Step #15c  Trim small cable strength member(s) even with edge of strength member bracket. Secure strength member(s) under clip and tighten nut.
Step #16  Secure cable sheath with hose clamp.

Step #17  Re-install end plate onto organizer assembly and secure with bolt.

Step #18a  Route and secure central tube of unitube cables to transition compartment with tie wraps.

Step #18b  For branch unitube cables, use transition tubes to route fiber onto transition tray.

Ribbon Applications

Step #18a  Route and secure central tube of unitube cables to transition compartment with tie wraps.

Step #18b  For branch unitube cables, use transition tubes to route fiber onto transition tray.

Step #19a  Route fiber within transition compartment.

Step #19b  Insert fibers to be routed to splice trays into transport tubes and secure to transition compartment.

PLP Tip: For ease of handling, group the transition tubes in multiples of six.

Reminder: If cables are routed in side storage brackets, use cable ports 3 & 6.
Step #19c Route transport tubes to splice trays and secure.

Alternative Routing Method for Buffered Ribbon Applications (Step 20a & b)

Step #20a Remove the buffer tube 1-1/2" from the sheath opening and route fibers to the splice tray with transport tubing. Connect buffer tube to transport tube with a 3" piece of spiral tubing. Route transport tubing through side storage brackets and install retainer clips. (see Step 20b)

Note: Wrap tape around the spiral tubing once it is connecting the buffer tube with the transport tube to keep spiral tubing from coming undone.

Step #20b To install retainer clip, position the bottom slot of the retainer clip onto the bottom of the bracket. Tilt retainer clip forward until the top of the bracket snaps into the top slot of the retainer clip.

Step #21 Route and store buffer tubes in storage brackets. If routing in side storage brackets see Step #20b for installation of retainer clips.

Step 22 Route buffer tubes to splice trays and secure.

Loose Tube/Buffer Tube Applications

If cables are routed in bottom storage brackets, use cable ports 4 & 5. If cables are routed in side storage brackets, use cable ports 3 & 6.

Skip to Step #23
Step #23  To improve splice tray accessibility, install platform clips onto tray retention brackets to raise splice tray.

PLP Tip: Platform clips can be installed upside down on tray retention brackets to minimize shifting of splice trays in case strap comes undone.

Step #24  Route incoming and outgoing fibers and splice per standard company practice.
Step #25 Secure splice trays with strap.

Step #26 Lubricate all surfaces around gasket with silicone lubricant to assure easy assembly and closure re-entry.

Step #27 Slide end plate gasket onto end plate and press into groove.

Step #28 Re-tighten all cable cap bolts (Step #12b) to assure that the cable caps are fully seated.

Step #29 Position dome over end plate.

Step #30 Install dome collar.

Step #31 Lock collar by twisting the latch fastener clockwise 90 degrees.

CAUTION: Do not fasten latch until collar is completely installed in the correct position or damage to latch may occur.

NOTE: Make sure lip of dome is captured underneath the collar before securing the latch.

Flash test to 10 psi max.
Step #32 9.5" x 28" Dome Aerial Mounting Bracket – End Plate Mount – for ADSS Applications. The COYOTE 9.5" x 28" Dome Aerial Mounting Bracket Kit (Cat. No. 8003941) can be used to suspend the COYOTE 9.5" x 28" Dome Closure from ADSS cable. To install the aerial mounting bracket, first secure the gusset bracket to the hanger bracket before attaching both to the studs of dome end plate. Next, attach the dome bracket to the mounting tabs of the dome. Lastly, attach a hanger strap bracket to the dome bracket and one to the back side of the hanger bracket before mounting the dome closure to the ADSS cable using the clamps of the hanger strap brackets.

Step #33a 9.5" x 28" Dome Aerial Mounting Bracket – Dome Mount – for Strand Applications. The COYOTE 9.5" x 28" Dome Mount Aerial Bracket Kit (Cat. No. 8003940) can be used to suspend the COYOTE 9.5" x 28" 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 #33b 9.5" x 28" Dome Aerial Mounting Bracket – Dome Mount – for ADSS Applications. The COYOTE 9.5" x 28" Dome Mount Aerial Bracket Kit for ADSS (Cat. No. 8003869) can be used to suspend the COYOTE 9.5" x 28" 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 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.