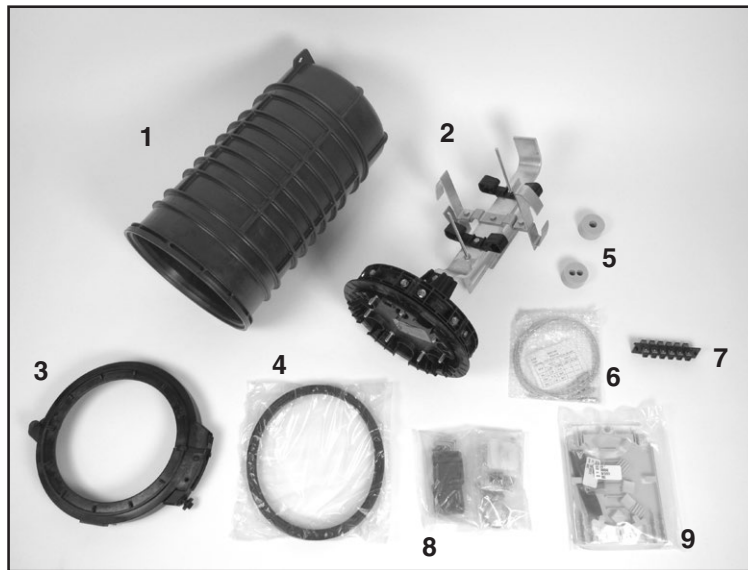




COYOTE® 9.5" x 19" (292 mm x 509 mm) Cross-Connect Dome Closure

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



Tools Required

- 3/8" and 7/16" Can wrench or socket
- Snips
- Fiber optic cable opening tools

NOMENCLATURE

- | | | |
|--|-------------------------------------|-----------------------------------|
| 1. Dome Cover (1) | 4. Gasket (1) | 7. Adapter Plate (Not Included) |
| 2. Organizer Assembly with End Plate (1) | 5. Grommets (4) | 8. Small Parts Bag (1) |
| 3. Dome Collar (1) | 6. Fiber Pigtail Kit (Not Included) | 9. Splice Tray (1) (Not Included) |

COYOTE® Grommet Chart			
For use in COYOTE GLC, Aerial, LCC, Dome, In-Line RUNT, Taut & Terminal Closures			
PLP Catalog Number	Cable Range Inches (mm)	Description	Splitting Location
8003691	.42 - .60 (11 - 15 mm)	1-entry grommet	
8003692	.60 - .85 (15 - 22 mm)	1-entry grommet	
8003693	.85 - 1.0 (22 - 25 mm)	1-entry grommet	
8003694	1.0 - 1.25 (25 - 32 mm)	1-entry grommet	
8003663	.42 - .60 (11 - 15 mm)	2-entry grommet	
8003664	.30 - .43 (8 - 11mm)	4-entry grommet	
8003990	.50 - .60 (12.7 - 15.2) .125 - .25 (3.2 - 6.4) and flat drop	4-entry grommet	
8003989	Flat Drop Only	4-entry grommet	
8003665	.125 - .25 (3 - 6 mm)	6-entry grommet	
8003676	.42 - .60 (11 - 15 mm) .125 - .25 (3 - 6 mm)	7-entry grommet	
8003677	.125 - .25 (3 - 6 mm)	8-entry grommet	

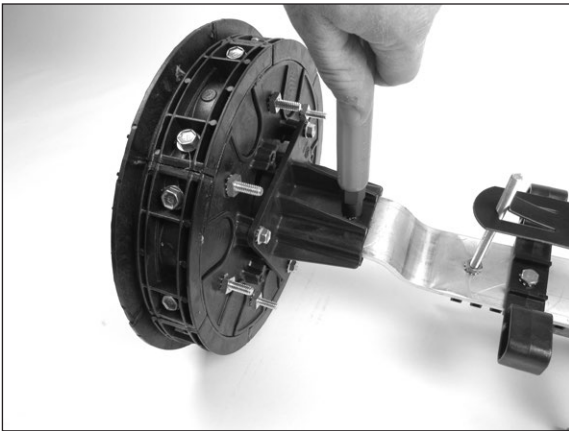
NOTE: Grommet Kit contains (1) Grommet, (1) Cable Measure Tape, (2) Silicone Lubricant Packs, (1) Set of Plugs & (1) Glove

**Splice Tray/Closure Capacities for
COYOTE® 9.5" x 19" (292 mm x 509 mm) Cross-Connect Dome Closure**

Splice Tray	Catalog Number	Splice Type	Trays per Closure		Closure Splice Capacity	
			Buffer Tube	Unitube Ribbon	Buffer Tube	Unitube Ribbon
Short Low Profile LITE-GRIP® (24 ct)	80809958	Single Fusion	12	11	288	264
Short Deep Profile LITE-GRIP (40 ct)	80808945	Single Fusion or Mechanical	6	5	240	200

END PLATE PREPARATION

Step #1 Remove end plate from organizer.

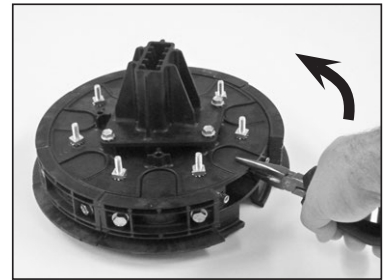


Step #2 Determine which cable ports will be used and mark the respective breakout tabs of the end plate.



Step #3 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.

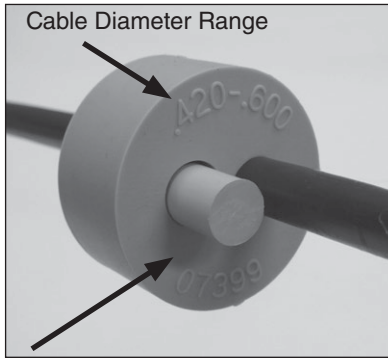


CABLE PREPARATION

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



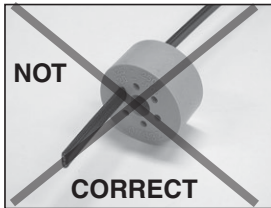
Step #5 If using cut cable, insert the cable through grommet. If your application requires express/balloon/ring cut cables, **see Step 7 for grommet slitting procedure.**



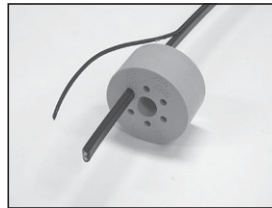
Install plug in unused port.

Step #6 **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 the cable into the grommet.

Cable with Tracer Wire

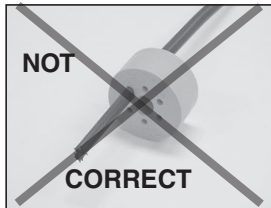


Not Correct Installation

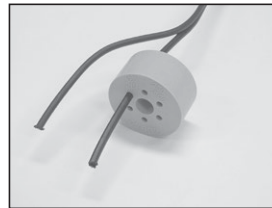


Correct Installation

Figure 8 Style Cable

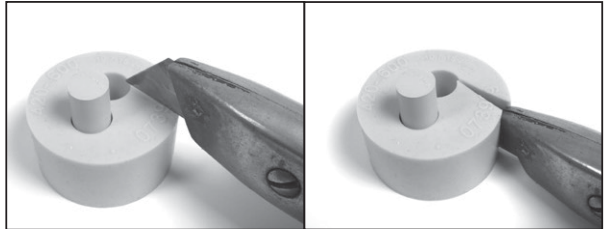


Not Correct Installation

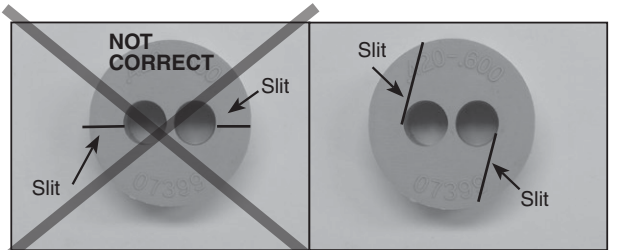


Correct Installation

Step #7 **Grommet Slitting** – If slitting is required, lay the grommet on a stable flat surface. Position 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.**



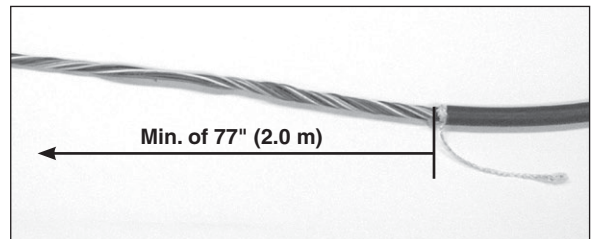
PLP Tip: Use a pen to sketch slitting lines on top surface of the grommet prior to cutting.



Not Correct Slitting Angle

Correct Slitting Angle

Step #8 Prepare loose tube/buffer tube or unitube/ribbon cable(s) for cut applications.



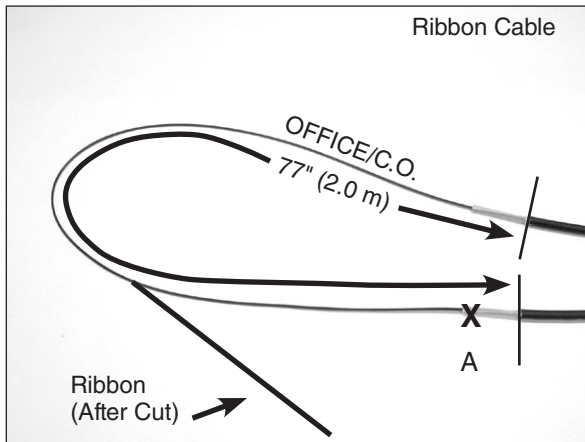
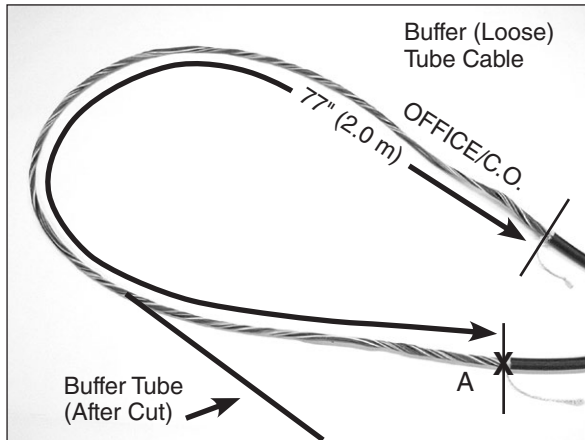
Minimum Sheath Opening for Cut Cable Applications

77" Min.

2.0 m Min.

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

Step #9 Prepare loose tube/buffer tube or unitube/
ribbon cable(s) for mid sheath applications
(Express/Balloon/Ring Cut).

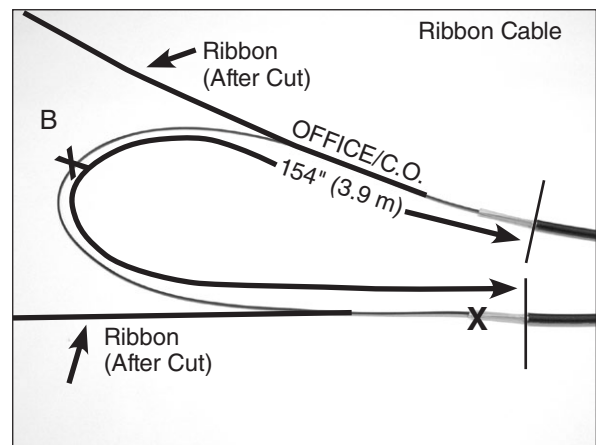
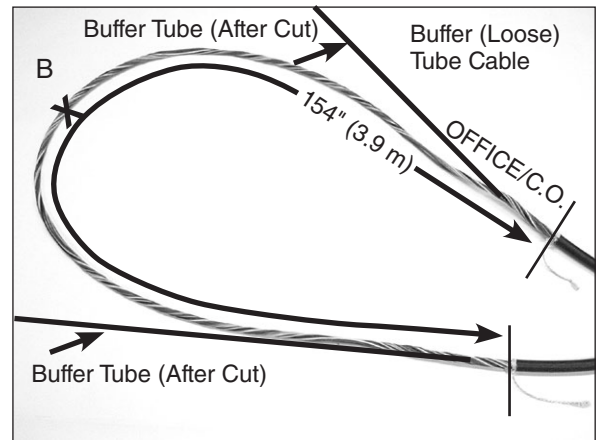


**For Applications Where Fiber is Dedicated
to the Splice Point**

Sheath Opening	77" (2.0 m) Min.
Fiber/Buffer Tube Cut Location	A (see image above)

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

Step #10 Prepare loose tube/buffer tube or unitube/
ribbon cable(s) for mid sheath applications
(Express/Balloon/Ring Cut).

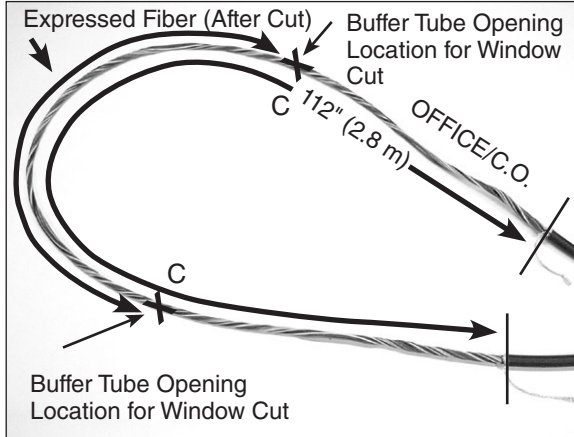


**For Applications Where Fiber is NOT Dedicated
to the Splice Point**

Sheath Opening	154" (3.9 m) Min.
Fiber/Buffer Tube Cut Location	B (see image above)

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

Step #11 Prepare loose tube/buffer tube cable(s) for expressed fiber (buffer tube window cut)

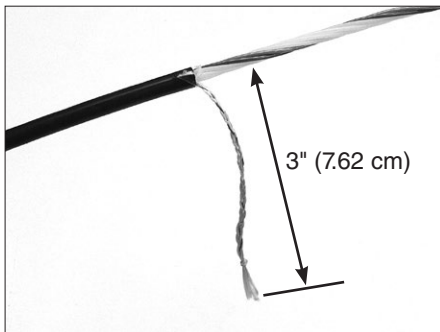


For Applications Where Fiber is Dedicated to the Splice Point

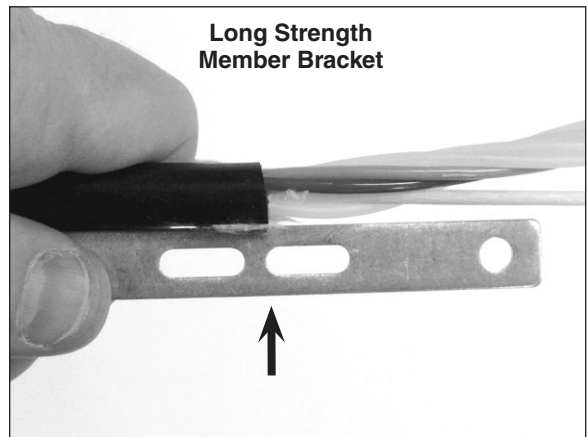
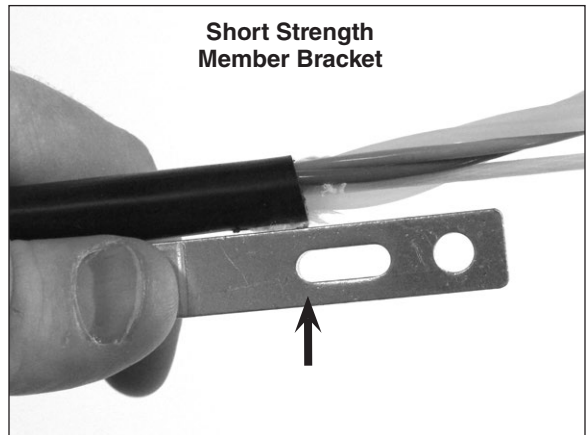
Sheath Opening	112" (2.8 m) Min.
Buffer Tube Window Cut Locations	C (see image above)

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

Step #12 If the cable contains Kevlar, braid roughly 3" (7.62 cm) of the Kevlar.



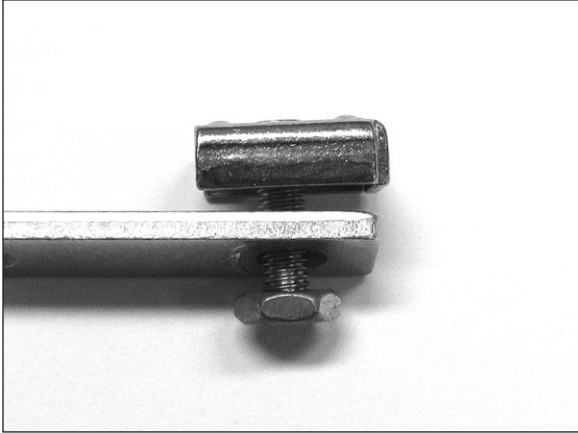
Step #13 Align sheath opening with end of slot of the strength member bracket as shown.



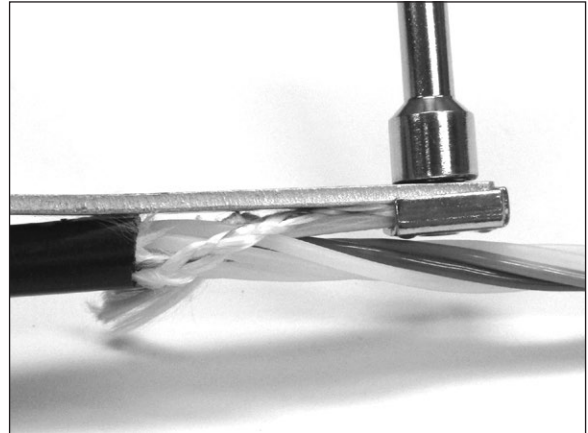
Step #14 Trim strength member(s) flush with end of the strength member bracket(s).



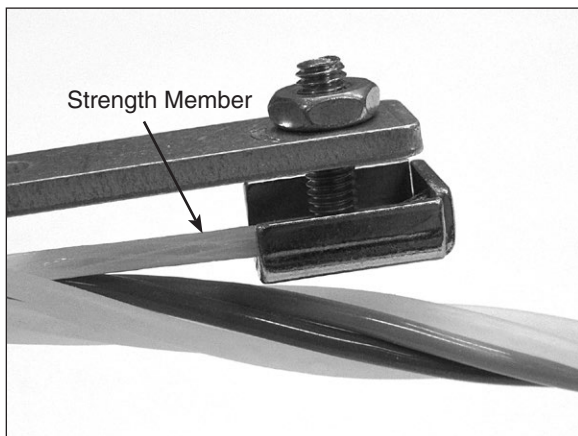
Step #15 Install the cap on strength member bracket.



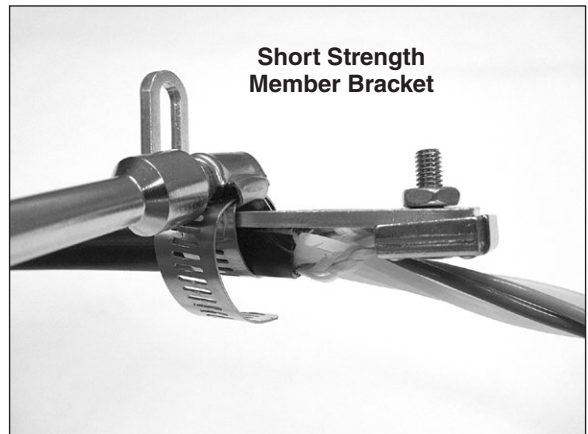
Step #18 Tighten nut of the cap to secure the strength member and braid under the cap.



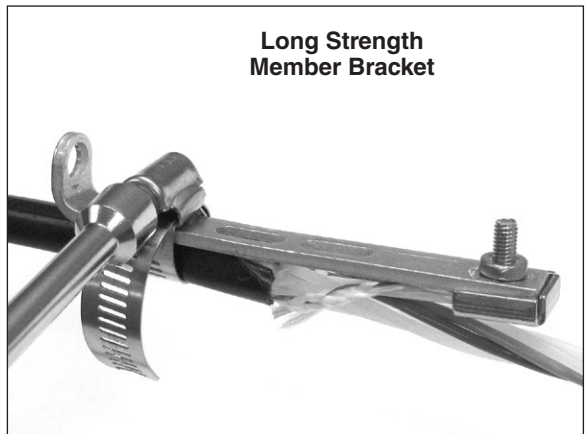
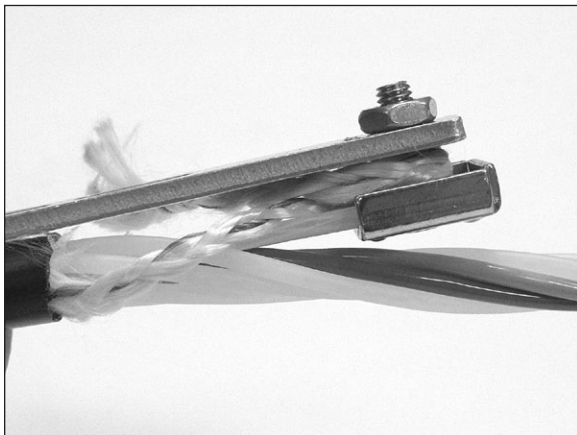
Step #16 Position strength member under the cap of the strength member bracket.



Step #19 Secure the cable to the strength member bracket with hose clamp.

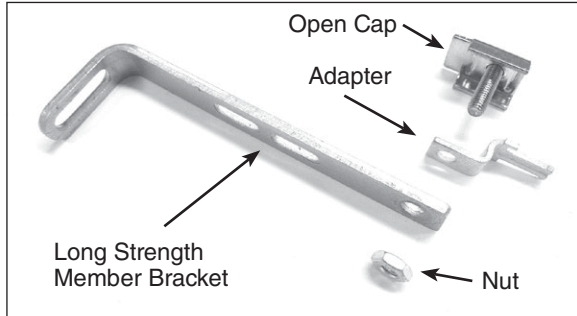


Step #17 If the cable contains Kevlar®, wrap the braided Kevlar around the stud of the cap as shown.

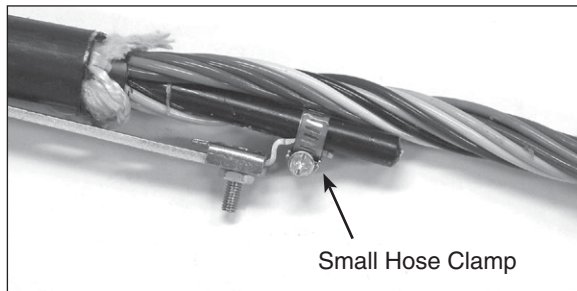


Installing Strength Member Adapter for Large Cable Strength Members

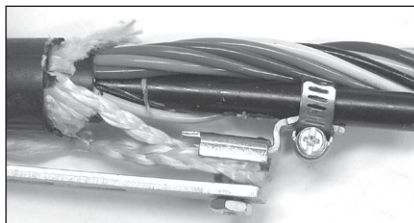
Step #20 For large cable strength members, assemble the adapter to the long strength member bracket as shown.



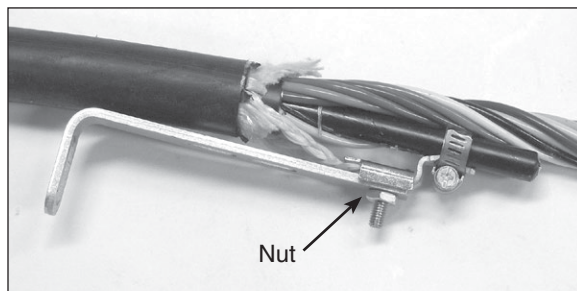
Step #21 Secure the large cable strength member(s) to the adapter with the small hose clamp.



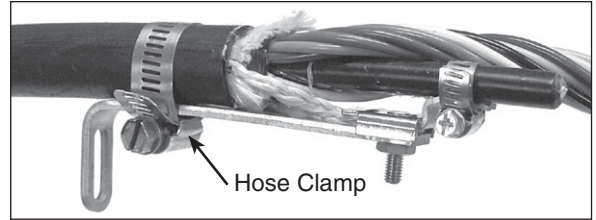
Step #22 If the cable contains Kevlar®, wrap the braided Kevlar around the stud of the cap as shown.



Step #23 Tighten nut of the cap to secure under the cap.

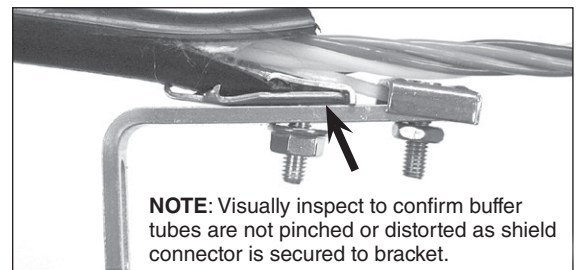


Step #24 Secure the cable sheath with the hose clamp.



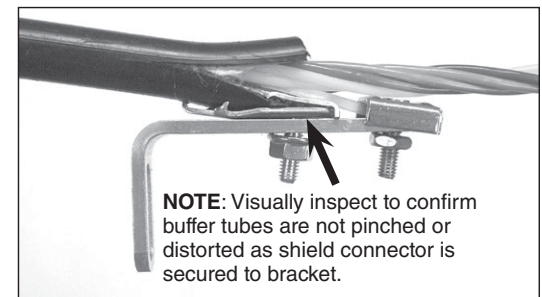
Attaching Shielded Cable to Strength Member Bracket

Step #25 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 the strength member bracket.



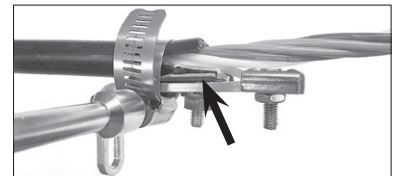
Follow standard company practices when applying shield connector to cable.

Step #26 Secure the shield connector to the strength member bracket with nut and secure cable strength member under cap of the strength member bracket.

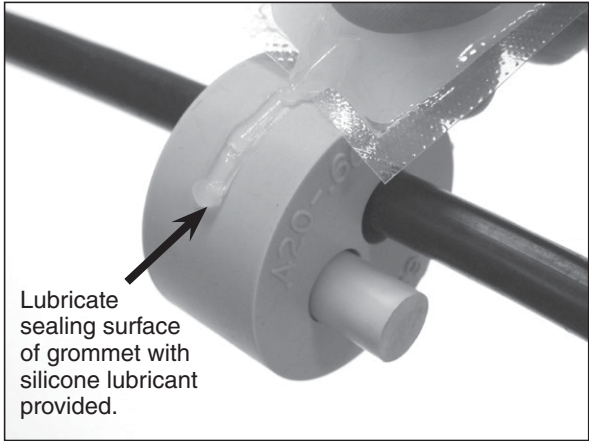


Step #27 Secure the shielded cable to the strength member bracket with hose clamp.

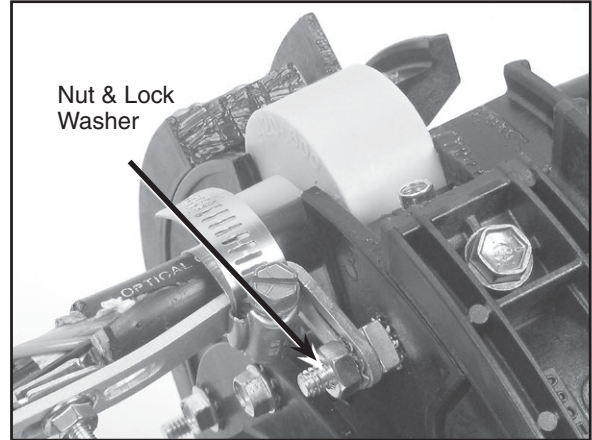
NOTE: Visually inspect to confirm buffer tubes are not pinched or distorted as shield connector is secured to bracket.



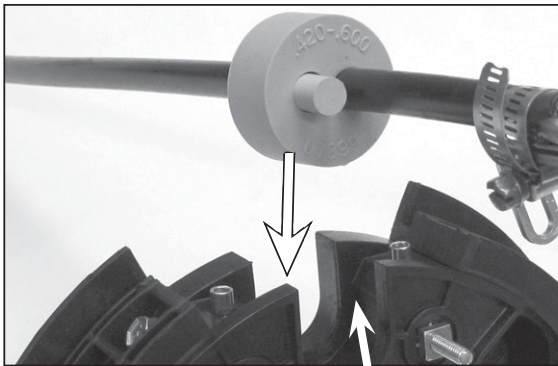
Step #28 Lubricate the outer surface of the grommet.



Step #31 Secure the strength member bracket on the stud with lock washer and nut.



Step #29 Position the grommet in the end plate slot.



If the grommet has been slit, do not align the grommet slit with end plate seam.

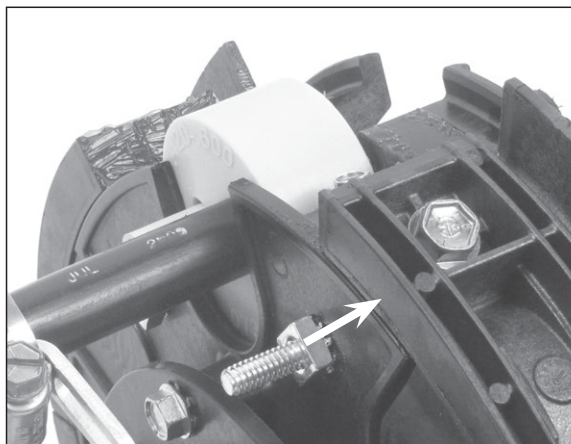
Step #32 Install cable cap and secure with hex bolts.



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

NOTE: TIGHTEN ALL UNUSED CABLE CAPS.

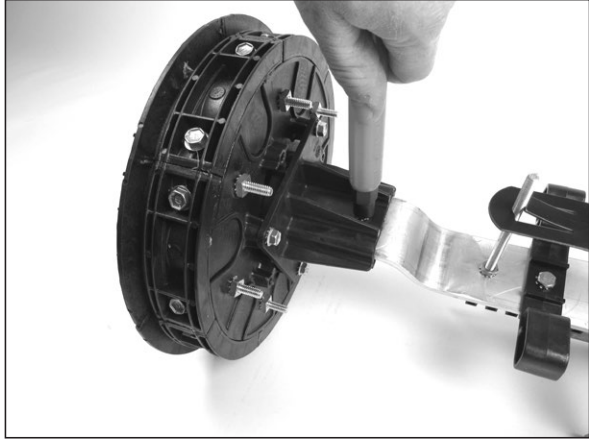
Step #30 Position the slot of the strength member bracket leg over stud and pull back cable.



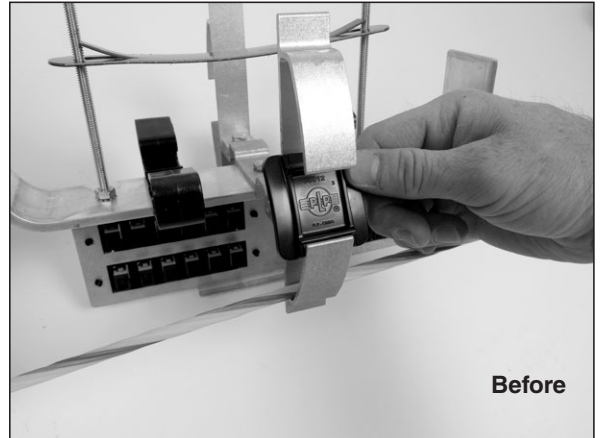
Step #33 Complete end plate assembly.



Step #34 Re-install the end plate onto the organizer assembly and secure with bolt.

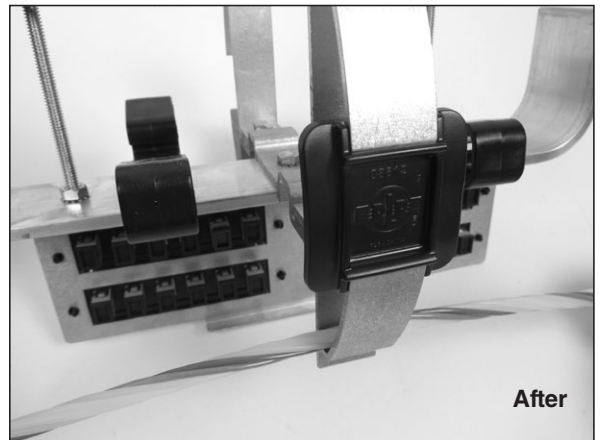
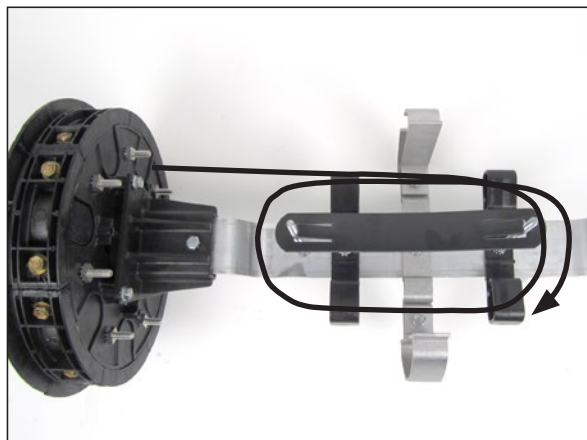
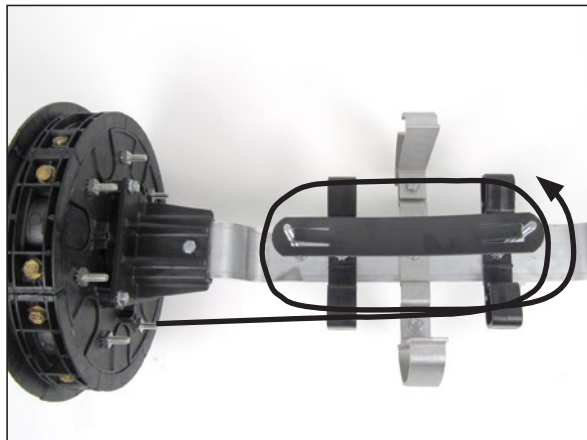


Step #36 To install the retainer clip, position the bottom slot of the retainer clip onto the bottom of the bracket. Tilt the retainer clip forward until the top of the bracket snaps into the top slot of the retainer clip.

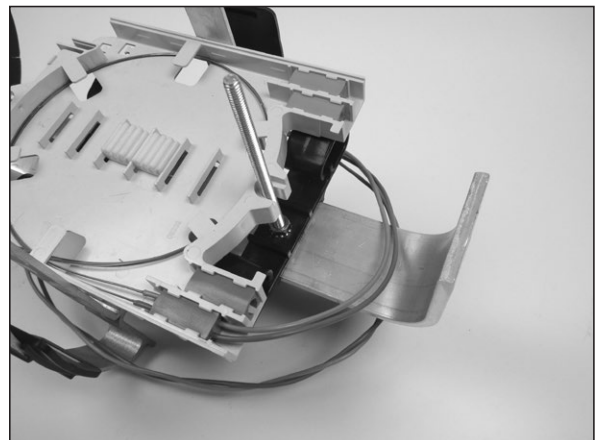


Buffer Tube Applications

Step #35 Route and store buffer tubes in storage brackets. If routing in side storage brackets, see Step #36 for installation of the retainer clips.

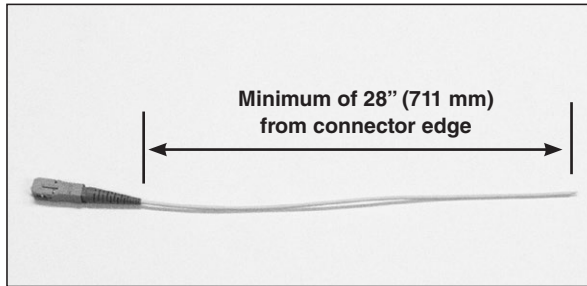


Step #37 Route buffer tube(s) to splice tray(s) and secure.

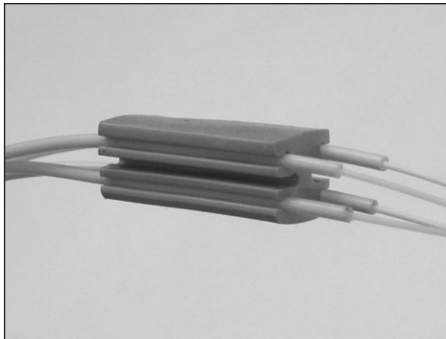


Pigtail Assembly Installations

Step #38 Measure and mark pigtail. Remove the pigtail jacket and Kevlar® beyond this mark.



Step #39 Install the pigtails into the LITE-GRIP® sleeve.

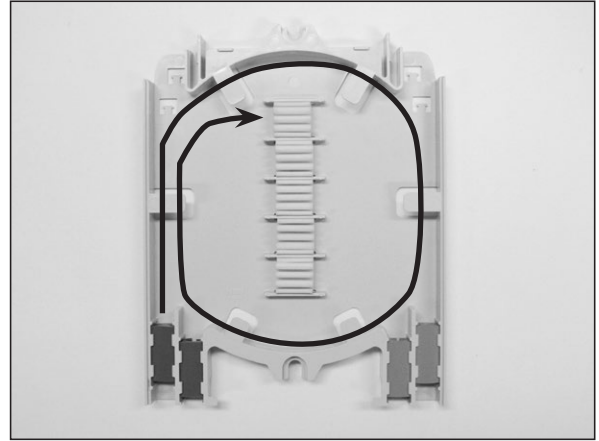


Step #40 Install the LITE-GRIP® sleeve with the pigtails into splice tray.

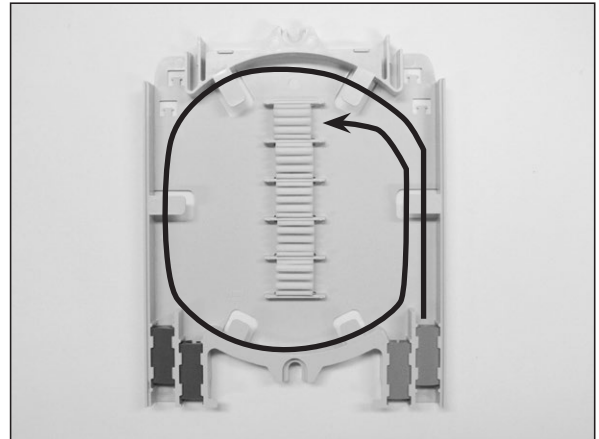


Splice Tray Management

Step #41 Route incoming fibers in splice tray.

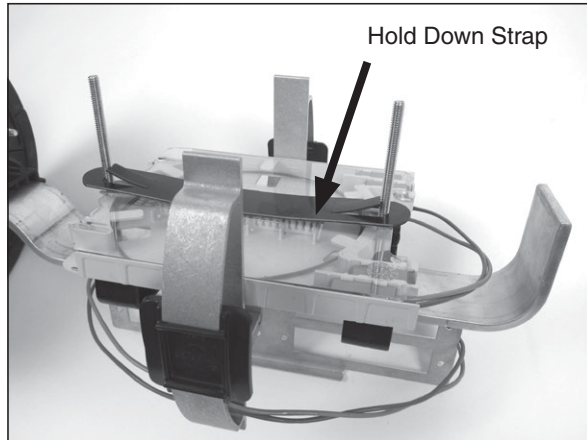


Step #42 Route outgoing pigtail fibers in splice tray.



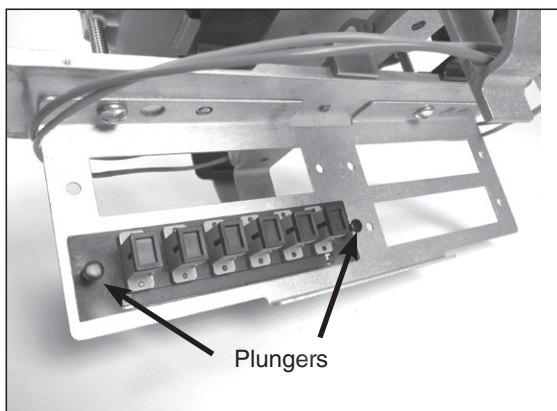
Step #43 Splice incoming fibers to outgoing pigtail fibers per your accepted company practice.

Step #44 Secure splice tray(s) with the hold down strap.



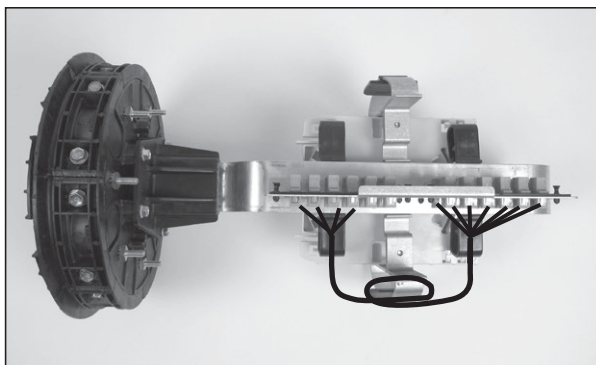
Adapter Plate Installation

Step #45 Insert adapter plate into bulkhead holes and secure by pushing on the heads of the plungers.

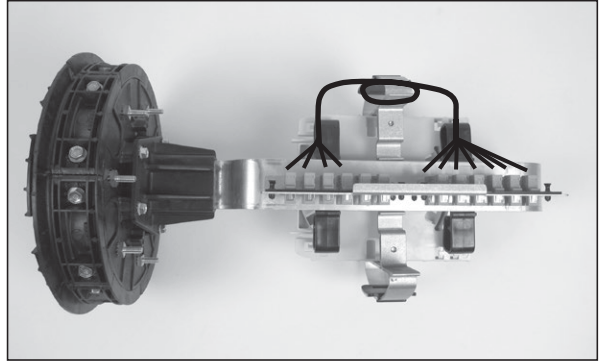


Pigtail Routing

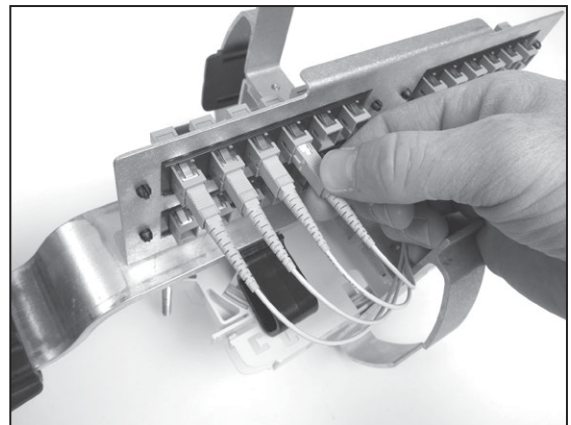
Step #46 Route incoming (Feed/Central Office) pigtails to bulkhead as shown.



Step #47 Route outgoing (Distribution) pigtails to bulkhead as shown.



Step #48 Install the pigtail connectors into adapters.



Dome Preparation & Installation

Step #49 Lubricate all surfaces around gasket with silicone lubricant to assure easy assembly and closure re-entry.

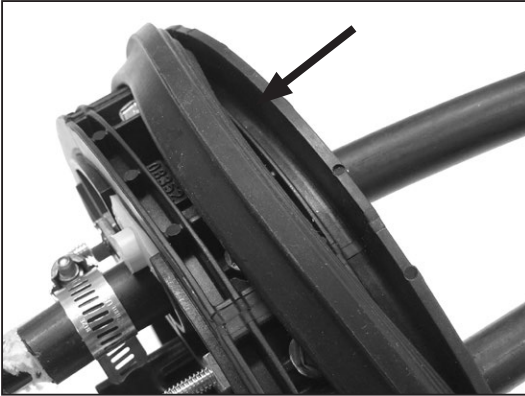
Lubricate all inner surfaces of the gasket.



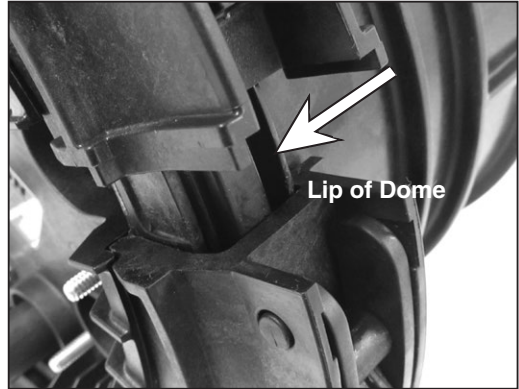
Lubricate all outer surfaces of the gasket.

Step #50 Slide end plate gasket onto end plate and press into groove.

Make sure gasket is seated in groove of end plate.

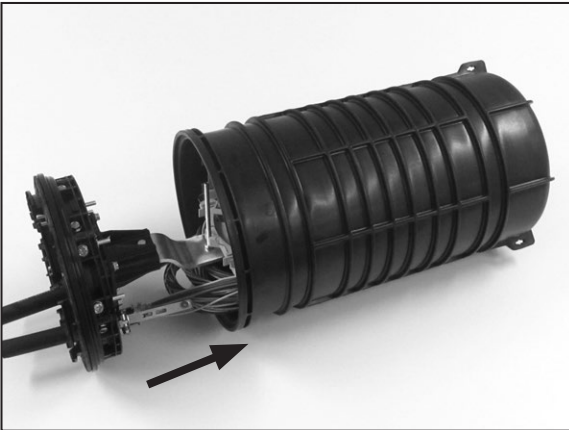


Step #54 Make sure lip of dome is captured underneath the collar before securing the latch.

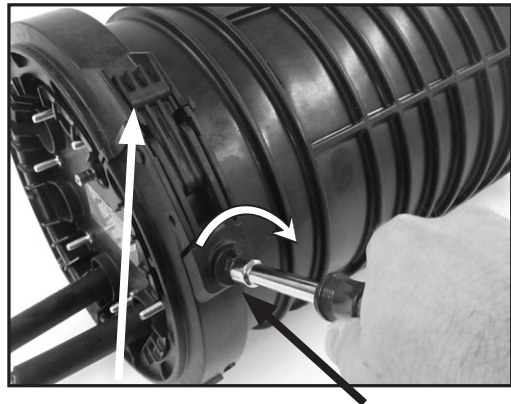


Step #51 Re-tighten all cable cap bolts (Step #33) to ensure that the cable caps are fully seated.

Step #52 Position dome over end plate.



Step #55 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.

Latch Fastener

Flash Test to **10 psi** max.

Step #53 Install dome collar.



Flash Test Procedure

Step #56 Remove cap from air valve of end plate.



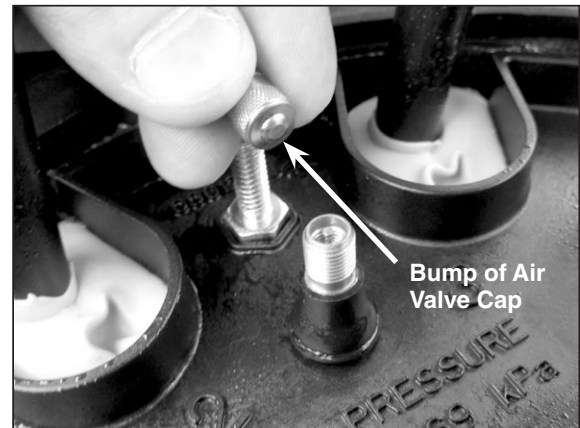
Step #57 Pressurize closure up to a max of 10psi.



Step #58 Spray all sealing surfaces of the dome end plate with soapy water to determine if there are any leaks.

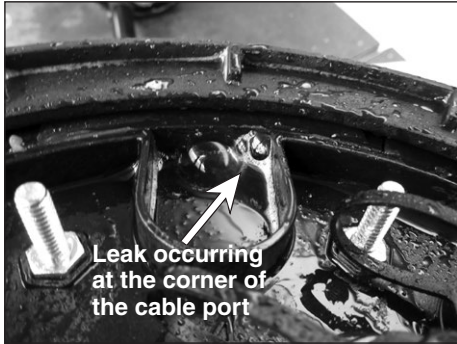


Step #59 Release the pressure in the closure using the bump on the top of the air valve cap.



Common End Plate Leaks During Flash Testing

Leak occurring at the corner of the cable port due to the cap of the cable port not being fully tightened.



To resolve, remove collar, remove End Plate/Organizer Assembly from the Dome, and tighten bolts on end cap where leak occurred. Reassemble and flash test to confirm that the leak has stopped.

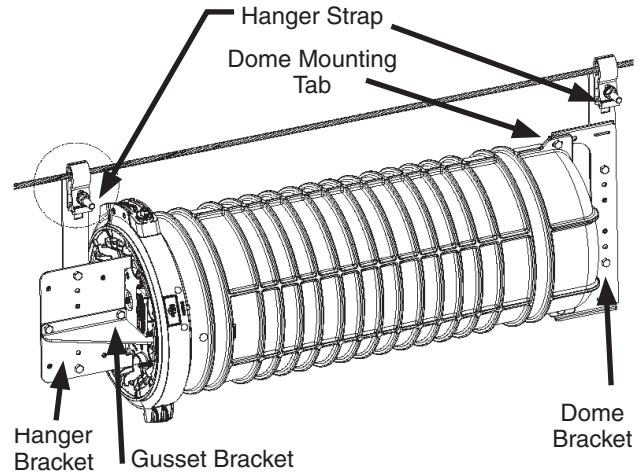
Leak occurring at the cable entry of the grommet due to the cable not being within the stated cable diameter range of the grommet.



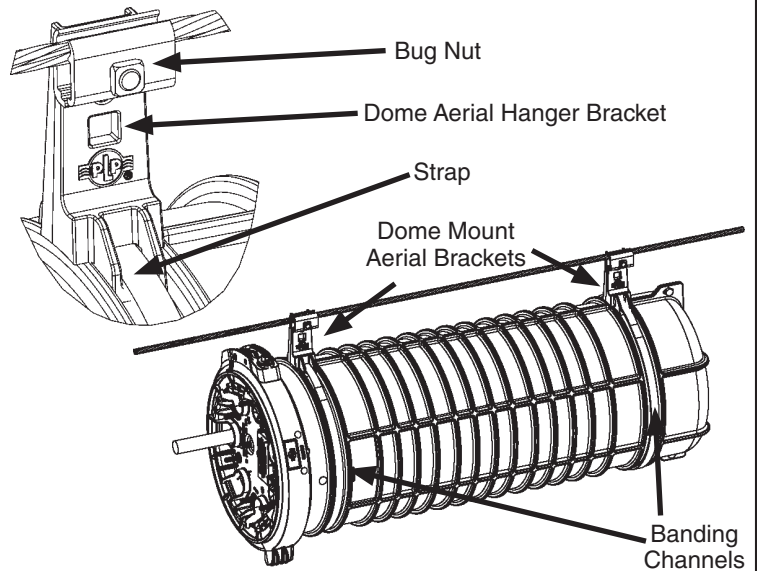
To resolve, remove collar, and remove End Plate/Organizer Assembly from the Dome. Remove end cap where leak occurred, remove grommet, remeasure cable with measure tape provided and select proper grommet. Reassemble the components and flash test the closure to confirm that the leak has stopped.

Optional Hardware for Mounting

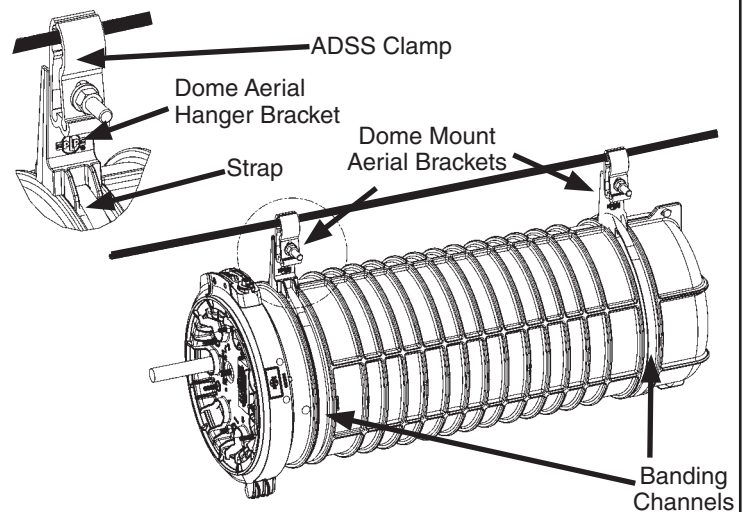
Step #60 9.5" (292 mm) Dome Aerial Mounting Bracket – End Plate Mount. The COYOTE® 9.5" Dome Aerial Mounting Bracket Kit (Cat. No. 8003941) can be used to suspend the COYOTE 9.5" x 19" (292 mm x 509 mm) or 9.5" x 28" (292 mm x 749) Dome Closure from ADSS cable. To install the aerial mounting bracket, 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 dead end using the clamps of the hanger strap brackets.



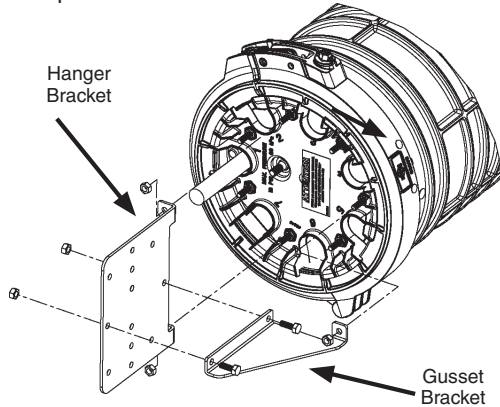
Step #61 9.5" (292 mm) Dome Aerial Mounting Bracket – Dome Mount Applications. The COYOTE 9.5" Dome Mount Aerial Bracket Kit (Cat. No. 8003940) can be used to suspend the COYOTE 9.5" x 19" (292 mm x 509 mm) or 9.5" x 28" (292 mm x 749) Dome Closure from messenger wire. To install the dome mount aerial 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.



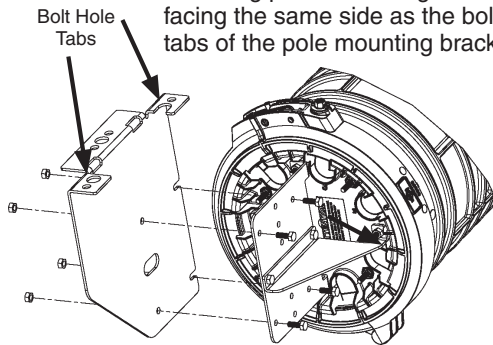
Step #62 9.5" (292 mm) Dome Aerial Mounting Bracket – for ADSS Applications. The COYOTE 9.5" Dome Mount Aerial Bracket Kit for ADSS (Cat. No. 8003869) can be used to suspend the COYOTE 9.5" x 19" (292 mm x 509 mm) or 9.5" x 28" (292 mm x 749) Dome Closure from ADSS cable. To install the Dome Mount Aerial 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 dead end with the ADSS clamp.



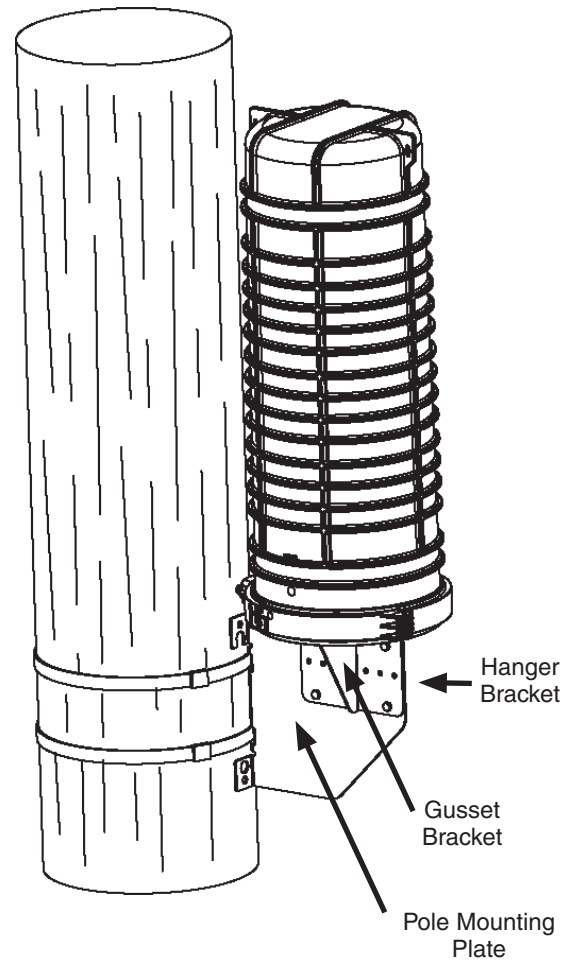
Step #63a 9.5" (292 mm x 749 mm) Dome Pole Mounting Bracket. The COYOTE 9.5" Dome Pole Mounting Bracket Kit (Cat. No. 8003942) can be used to secure the COYOTE 9.5" x 19" (292 mm x 509 mm) or 9.5" x 28" (292 mm x 749 mm) Dome Closure to wood, concrete, or steel poles. To install the pole mounting bracket, first secure the gusset bracket to the hanger bracket before attaching both to the studs of dome end plate.



Step #63b Attach the hanger bracket to the pole mounting plate with the gusset side facing the same side as the bolt hole tabs of the pole mounting bracket.



Step #63c Attach the dome pole mounting plate to the pole with either 5/8" (M16) through bolts, 1/4" (6.35 mm) lag screws, or metal banding.



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.



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