



# COYOTE® DOME CLOSURES WITH UNIVERSAL ORGANIZER

## INSTALLATION INSTRUCTIONS



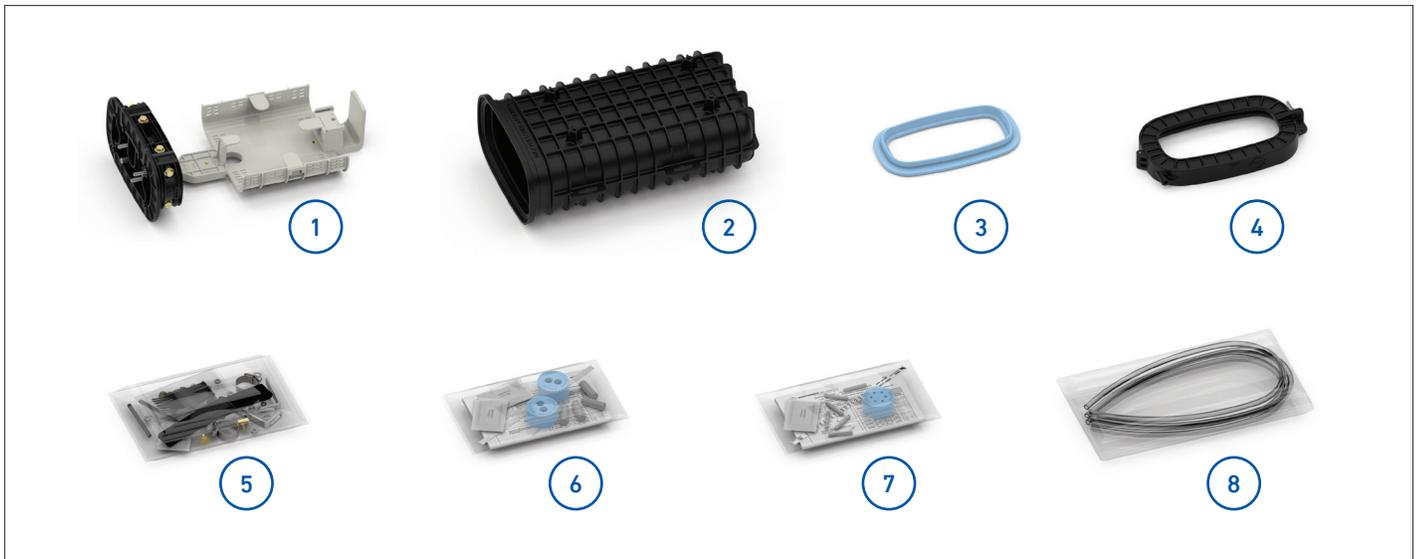
### IMPORTANT SAFETY INFORMATION

**READ AND COMPLETELY UNDERSTAND ALL INSTRUCTIONS BEFORE INSTALLING PRODUCT. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY OR DEATH.**

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. These instructions are not intended to supersede any company construction or safety standards. These instructions are offered only to illustrate safe installation for the individual. PLP products are intended for the specified application only. Do not modify this product under any circumstances. Do not reuse or reinstall any PLP product unless that capability is expressly indicated in the product's Installation Instructions. For proper performance and personal safety, be sure to select the proper PLP product before installation. PLP products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

### PACKAGE COMPONENTS

#### COYOTE® ONE DOME CLOSURE



1. COYOTE ONE Dome Universal Organizer with End Plate (1)
2. COYOTE ONE Dome Cover (1)
3. COYOTE ONE Dome End Plate Gasket (1)
4. COYOTE ONE Dome Collar (1)
5. Small Parts Bag for COYOTE ONE Dome Universal Organizer (1)
6. 2-Hole Grommet Kit - Contains 2 Grommets (1)  
(.42" – .60" Cable Diameter Range)
7. 6-Hole Grommet Kit - Contains 1 Grommet (1)  
(.125" – .250" Cable Diameter Range and Flat Drop Cable)
8. Transition Tubing Kit (1)

#### Tools Required:

- 3/8" & 7/16" Can Wrench or Socket Wrench
- 1/4" Nut Driver or Flat Head Screwdriver
- Utility Knife
- Side Cutters
- Snips
- Fiber Optic Cable Opening Tools

SP3679

For additional components and accessories, see Appendix.

## PACKAGE COMPONENTS

### COYOTE 6.5" x 17" DOME CLOSURE



1. COYOTE 6.5" x 17" Dome Universal Organizer with End Plate (1)
2. COYOTE 6.5" x 17" Dome Cover (1)
3. COYOTE 6.5" Dome End Plate Gasket (1)
4. COYOTE 6.5" Dome Collar (1)
5. Small Parts Bag for COYOTE 6.5" Dome Universal Organizer (1)
6. Grommet Kit - Contains 4 Grommets (1)
  - (2) Grommets: .40" – .60" Cable Diameter Range
  - (2) Grommets .60" – .85" Cable Diameter Range
7. Transition Tubing Kit (1)

#### Tools Required:

- 3/8" & 7/16" Can Wrench or Socket Wrench
- 1/4" Nut Driver or Flat Head Screwdriver
- Utility Knife
- Side Cutters
- Snips
- Fiber Optic Cable Opening Tools

## PACKAGE COMPONENTS

### COYOTE 6.5" x 22" DOME CLOSURE



1. COYOTE 6.5" x 22" Dome Universal Organizer with End Plate (1)
2. COYOTE 6.5" x 22" Dome Cover (1)
3. COYOTE 6.5" Dome End Plate Gasket (1)
4. COYOTE 6.5" Dome Collar (1)
5. Small Parts Bag for COYOTE 6.5" Dome Universal Organizer (1)
  - (2) Grommets: .40" – .60" Cable Diameter Range
  - (2) Grommets .60" – .85" Cable Diameter Range
7. Transition Tubing Kit (1)

#### Tools Required:

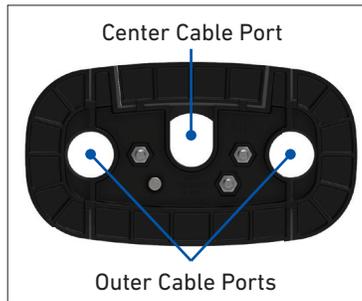
- 3/8" & 7/16" Can Wrench or Socket Wrench
- 1/4" Nut Driver or Flat Head Screwdriver
- Utility Knife
- Side Cutters
- Snips
- Fiber Optic Cable Opening Tools

## END PLATE PREPARATION

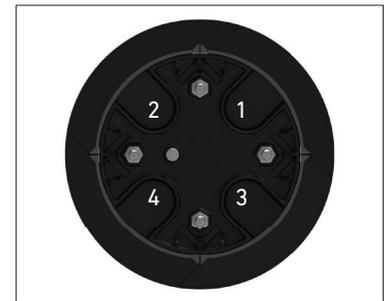
- 1 Determine which cable ports will be used and mark the respective cable ports of the end plate to identify cable placement. For the COYOTE® ONE Dome Closure, place a mark on the end plate next to the cable port. For COYOTE 6.5" Dome Closures, place a mark on the breakout tabs of the cable port.

**NOTE:** For COYOTE ONE Dome Closures, use the outer cable ports for expressing buffer tube, buffered ribbon, or unitube cables. Use the center cable port for branch or drop cables.

For COYOTE 6.5" Dome Closures, use cable ports 3 and 4 for expressing buffer tube, buffered ribbon, or unitube cables. Use cable ports 1 and 2 for branch or drop cables.



COYOTE ONE Dome End Plate



COYOTE 6.5" Dome End Plate

- 2 Remove the end plate caps from the selected cable ports. For 6.5" Dome Closure end plates, break out the outer and inner tabs of each marked cable port by snipping the grooves on both sides of each tab with side cutters. Once the grooves have been snipped, remove each tab by pulling the tab outwards from the end plate.

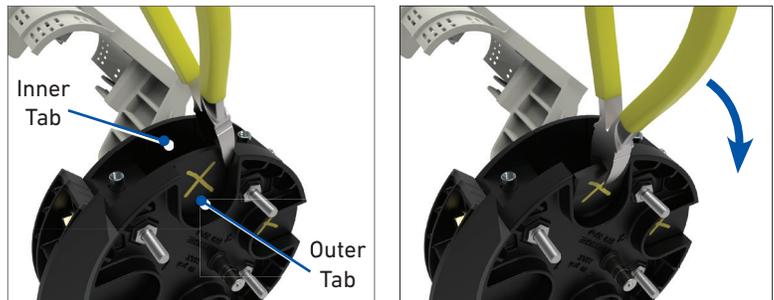
**NOTE:** COYOTE ONE Dome Closure end plates do not have cable port break out tabs.

### CAUTION

End plate caps are pre-lubricated. After removal, place them on a clean surface with the lubricated side facing up to ensure dirt and debris will not adhere to the silicone lubricant.



COYOTE ONE Dome End Plate



COYOTE 6.5" Dome End Plate

## GENERAL CABLE PREPARATION

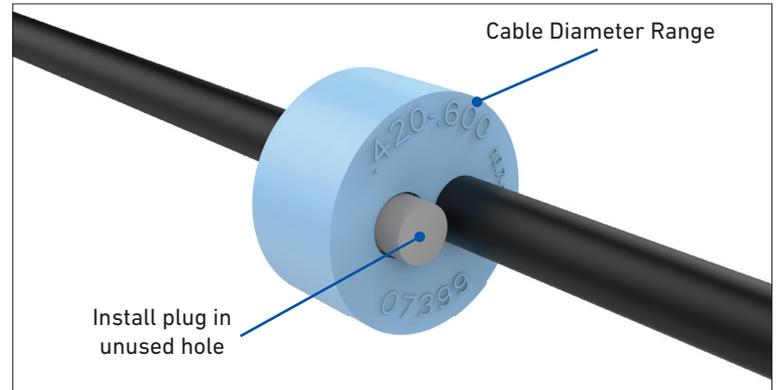
- 3 Measure the cable to determine the diameter and hole location to use in the grommet.



4

If using cut cable, insert the cable through the grommet. Insert grommet plugs in any unused holes.

**NOTE:** If your application requires express/balloon/ring cut cables, see Step 6 for grommet slitting procedure.

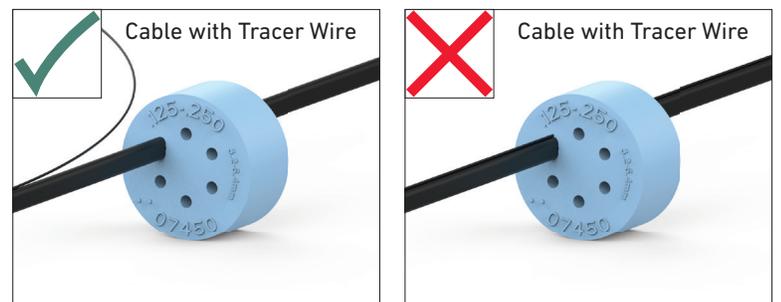


5

To install Figure 8 style cables or cables with tracer wires in a grommet, remove the tracer wire or the ground wire from the portion of the cable that will be positioned in the grommet. Remove any burrs left on the cable caused by separating the tracer wire or ground wire from the sheath and insert the cable into grommet.

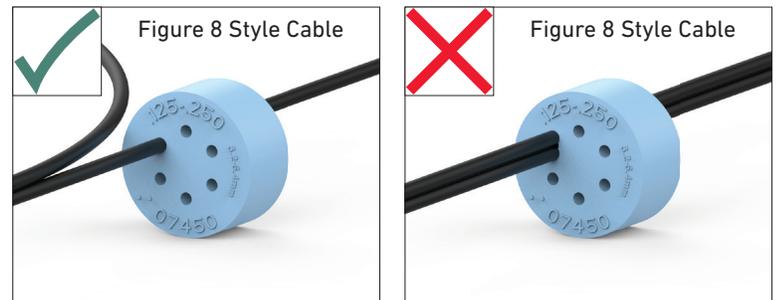
### CAUTION

Failure to separate tracer wires or ground wires from the cable or removing burrs left on the cable may allow water to migrate through the cable entrance of the grommet.



Correct Installation

Incorrect Installation



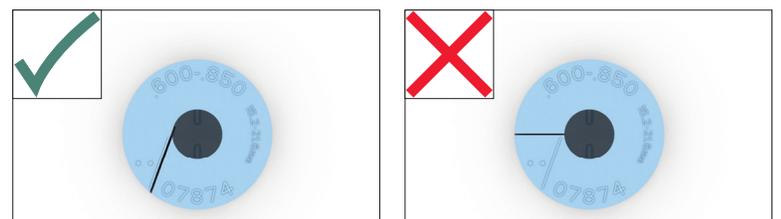
Correct Installation

Incorrect Installation

6

To slit grommets for expressed/balloon/ring cut cable applications, lay the grommet on a stable, flat surface, and position a utility knife next to the slit line of the grommet with the cutting edge facing down. Apply pressure with the utility knife and cut straight down through the grommet.

**NOTE:** Consult the grommet chart in the appendix for slitting locations of all grommets.



Correct Slit Angle

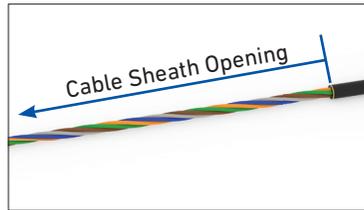
Incorrect Slit Angle

- 7** Prepare cable(s) for cable end applications. Refer to the table to the right for the minimum sheath openings allowed for each closure.

**NOTE:** Leave roughly 8" (203 mm) of the cable strength member(s) to trim later.

### CAUTION

Follow the cable manufacturer's cable opening procedure to ensure the optical fibers of the cable are not cut or damaged.



Buffer Tube/Loose Tube Cable



Unitube Cable

Minimum Sheath Openings for Cable End Applications		
Closure	in	m
COYOTE ONE	74	1.9
6.5" x 17" Dome	74	1.9
6.5" x 22" Dome	100	2.5

## CABLE SHEATH OPENINGS FOR WHEN FIBERS ARE DEDICATED TO THE SPLICE POINT

- 8A** Prepare cable for mid cable span applications (express/balloon/ring cut cable applications). Refer to the table to the right for the minimum sheath openings allowed for each closure.

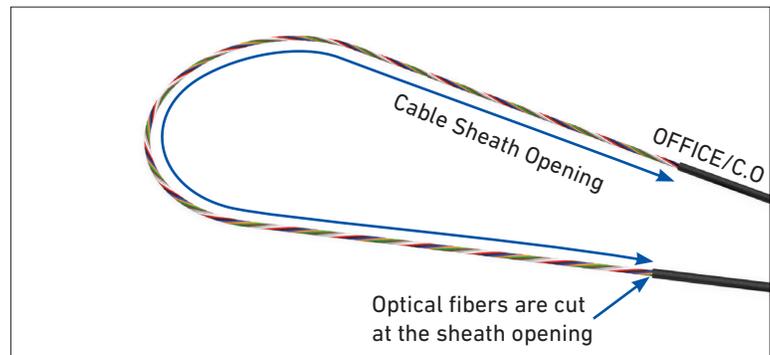
**NOTE:** For buffer tube/loose tube cables, the center of the sheath opening should align with the center of a buffer tube/loose tube switchback point of the cable.

Leave roughly 8" (203 mm) of the cable strength member(s) to trim later.

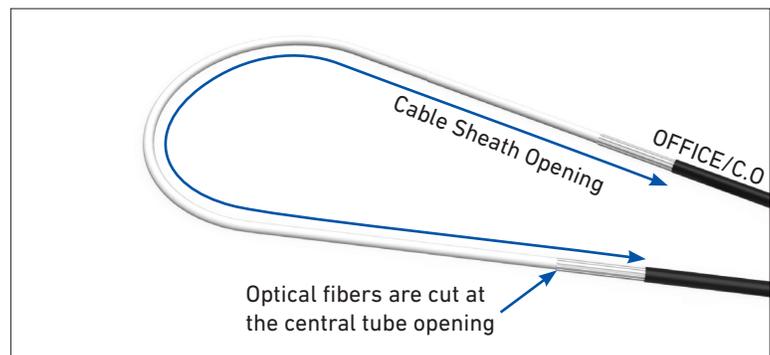
Splice points where optical fibers are dedicated to the splice point, only allow the Office/C.O. side of the cut fibers to be spliced. The other side of the cut fibers will be dead for the remainder of the cable network.

### CAUTION

Follow the cable manufacturer's cable opening procedure to ensure the optical fibers of the cable are not cut or damaged.



Buffer Tube/Loose Tube Cable



Ribbon/Unitube Cable

Minimum Sheath Openings for Applications Where Fiber is Dedicated to the Splice Point		
Closure	in	m
COYOTE ONE	74	1.9
6.5" x 17" Dome	74	1.9
6.5" x 22" Dome	100	2.5

## CABLE SHEATH OPENINGS FOR WHEN FIBERS ARE NOT DEDICATED TO THE SPLICE POINT

**8B**

Prepare cable for mid cable span applications (express/balloon/ring cut cable applications). Refer to the table to the right for the maximum sheath openings allowed for each closure.

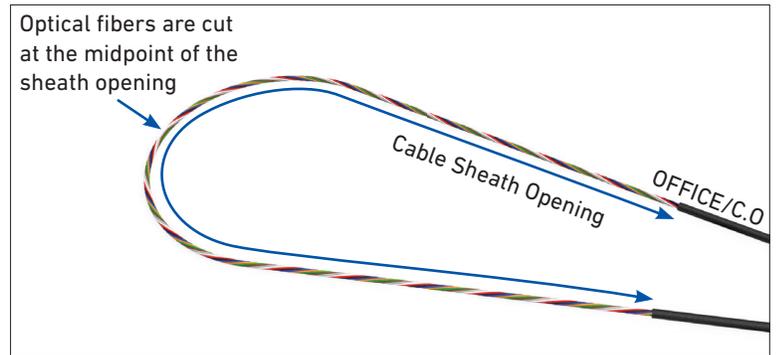
**NOTE:** For buffer tube/loose tube cables, the center of the sheath opening should align with the center of a buffer tube/loose tube switchback point of the cable.

Leave roughly 8" (203 mm) of the cable strength member(s) to trim later.

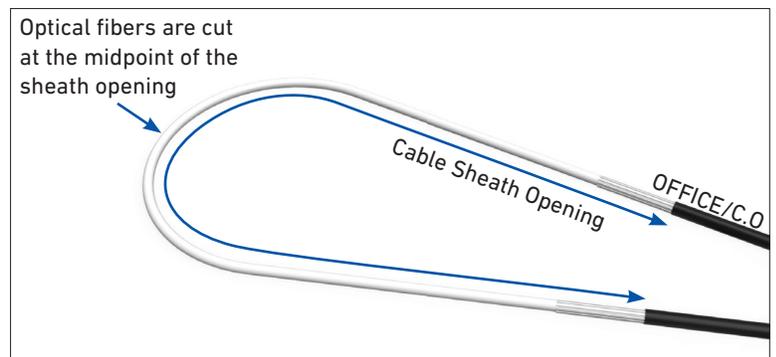
Splice points where optical fibers are not dedicated to the splice point, allow both sides of cut fibers to be spliced.

### CAUTION

Follow the cable manufacturer's cable opening procedure to ensure the optical fibers of the cable are not cut or damaged.



Buffer Tube/Loose Tube Cable



Ribbon/Unitube Cable

Maximum Sheath Openings for Applications Where Fiber is NOT Dedicated to the Splice Point		
Closure	in	m
COYOTE ONE	148	3.8
6.5" x 17" Dome	148	3.8
6.5" x 22" Dome	200	5.1

## CABLE SHEATH OPENING FOR BUFFER TUBE CABLE WINDOW CUT APPLICATIONS

**8C** Prepare buffer tube/loose tube cable for window cut applications (expressed fiber applications). Refer to the table to the right for the required measurements for each closure.

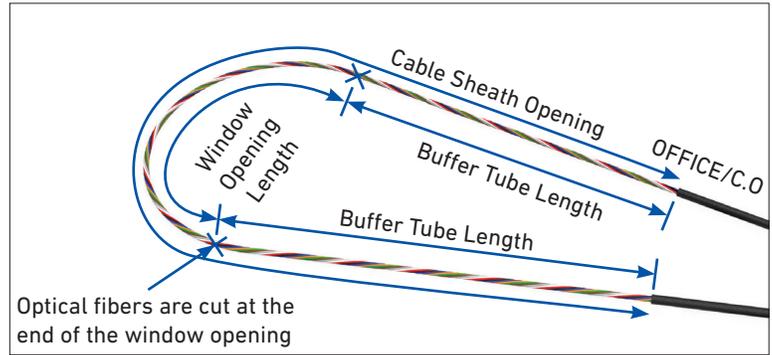
**NOTE:** For buffer tube/loose tube cables, the center of the sheath opening should align with the center of a buffer tube/loose tube switchback point of the cable.

Leave roughly 8" (203 mm) of the cable strength member(s) to trim later.

Splice points with expressed fibers within buffer tubes/loose tubes, only allow the OFFICE/C.O. side of the cut fibers to be spliced. The other side of the cut fibers will be dead for the remainder of the cable network.

### CAUTION

Follow the cable manufacturer's cable opening procedure to ensure the optical fibers of the cable are not cut or damaged.



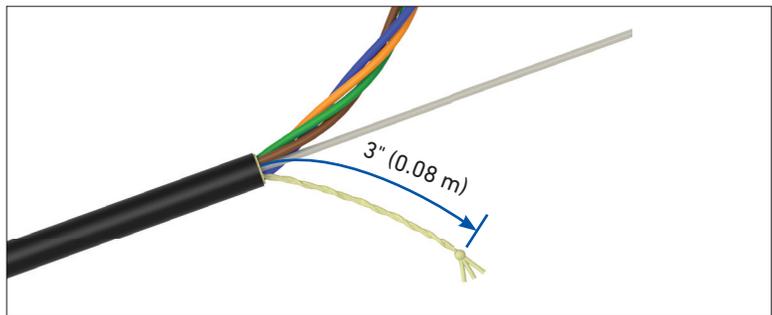
Buffer Tube/Loose Tube Cable

### Required Measurements for Window Cut/Expressed Fiber Applications

Closure	Sheath Opening Length	Buffer Tube Length	Window Opening Length
	in (m)	in (m)	in (m)
COYOTE ONE	107 (2.72)	38 (0.97)	31 (0.79)
6.5" x 17" Dome	107 (2.72)	38 (0.97)	31 (0.79)
6.5" x 22" Dome	148 (3.76)	52 (1.32)	44 (1.12)

## ATTACHING STANDARD BUFFER TUBE CABLE TO STRENGTH MEMBER BRACKET

**9** If the cable contains aramid yarn, braid roughly 3" (0.08 m) of the aramid yarn.

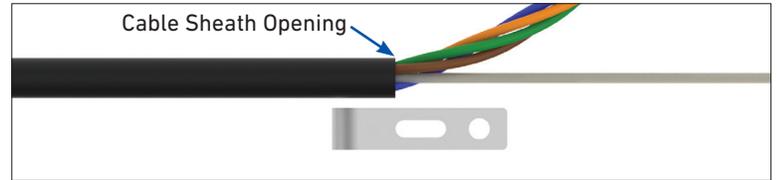


- 10** Align the sheath opening of the cable with the end of the slot of the strength member bracket as shown.

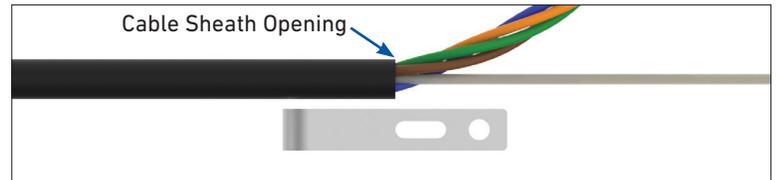
**NOTE:** Use the extra short strength member bracket for cables entering the center cable port of the COYOTE ONE Dome Closure.

Use the short strength member bracket for cables entering the outer cable ports of the COYOTE ONE Dome Closure or the top cable ports of the COYOTE 6.5" Dome Closures.

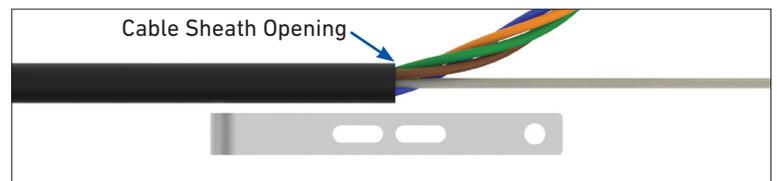
Use the long strength member bracket for cables entering the bottom cable ports of the COYOTE 6.5" Dome Closures.



Extra Short Strength Member Bracket For COYOTE ONE Dome Closure

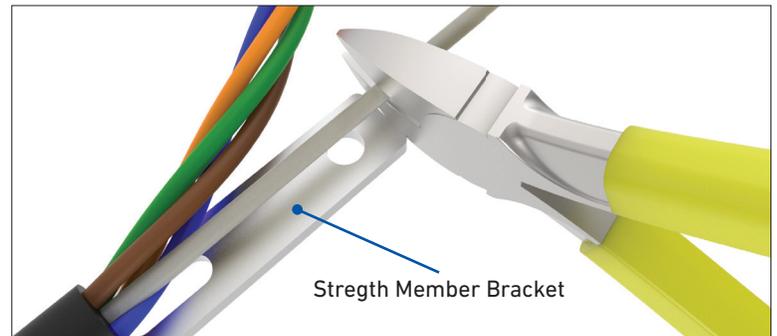


Short Strength Member Bracket

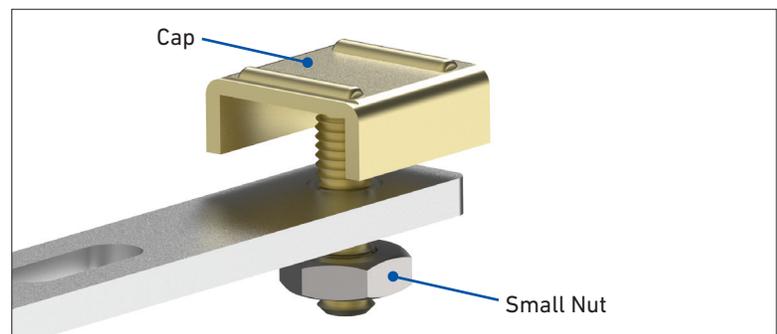


Long Strength Member Bracket

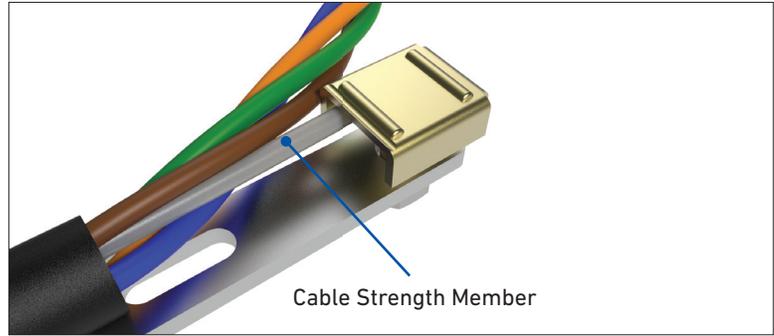
- 11** Trim the strength member of the cable flush with the end of the strength member bracket.



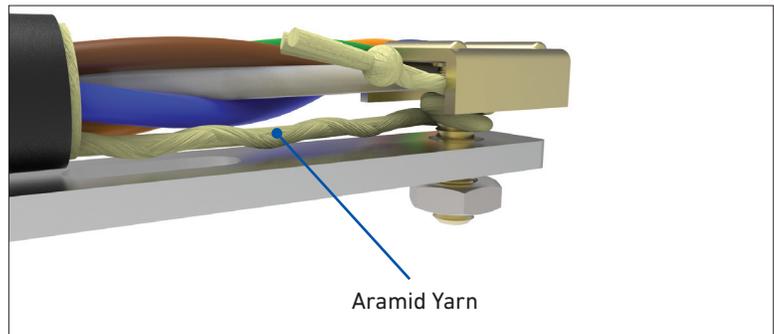
- 12** Install the cap on the strength member bracket and loosely secure it to the bracket with the small nut provided.



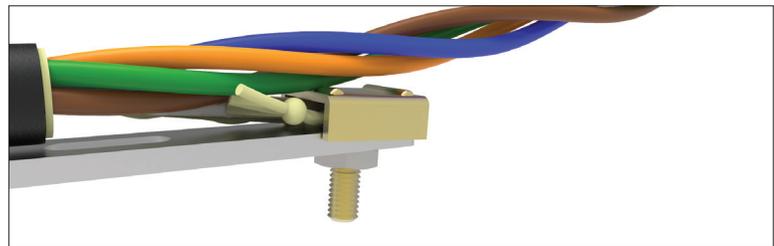
- 13 Position the strength member of the cable under the cap of the strength member bracket.



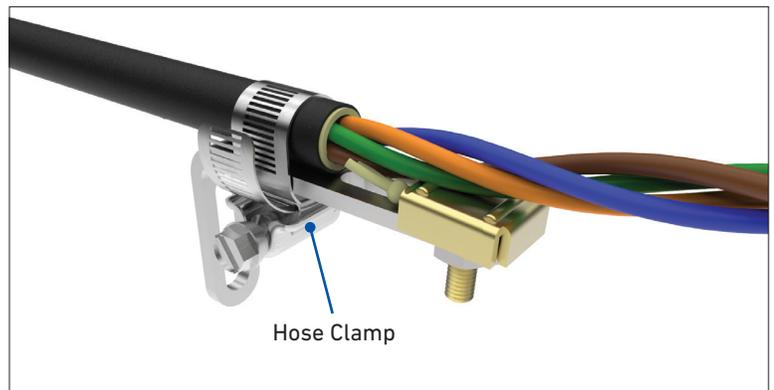
- 14 If the cable contains aramid yarn, wrap the braided aramid yarn around the stud of the cap as shown.



- 15 Tighten the small nut to secure the strength member under the cap of the strength member bracket.

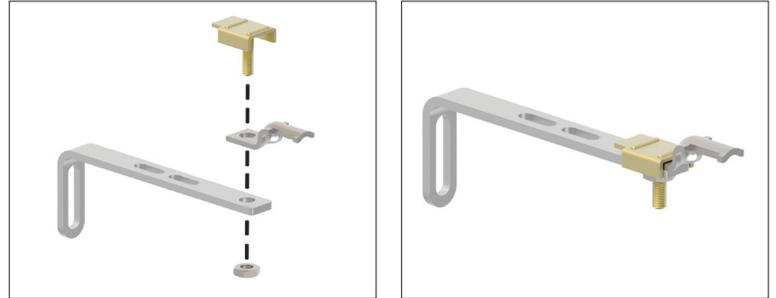


- 16 Secure the cable to the strength member bracket with a hose clamp.



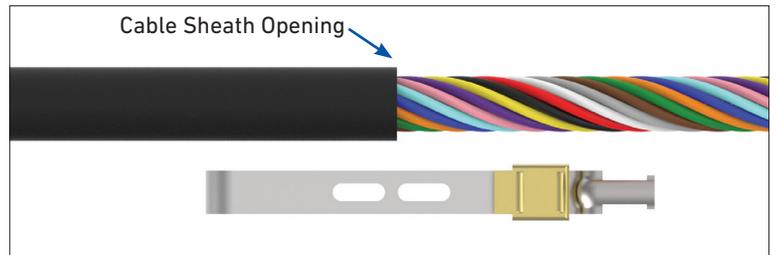
## ATTACHING STANDARD BUFFER TUBE CABLE WITH LARGE STRENGTH MEMBER TO STRENGTH MEMBER BRACKET

- 17** Assemble the adapter to the strength member bracket as shown.

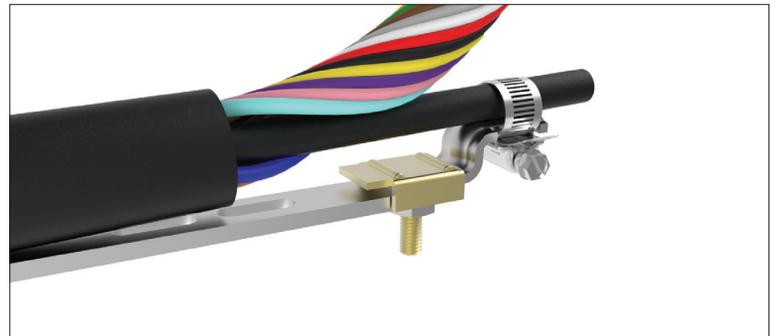


- 18** Align the sheath opening with the end of the slot of the strength member bracket as shown.

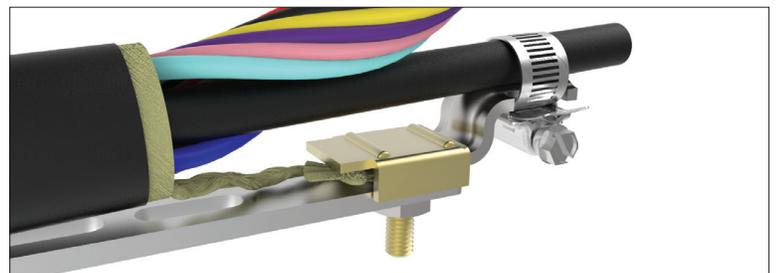
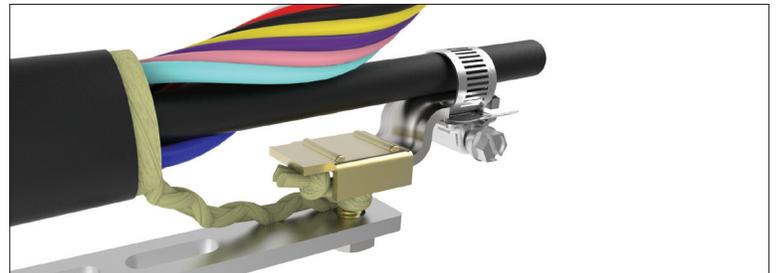
**NOTE:** Long strength member brackets should only be used for this application.



- 19** Trim the large strength member 1/2" (0.01 m) past the end of the adapter. Secure the cable strength member to the adapter with the small hose clamp provided.



- 20** If the cable contains aramid yarn, braid roughly 3" (0.08 m) of it and wrap it around the stud of the cap as shown. Tighten the nut of the cap to secure the the yarn under the cap.



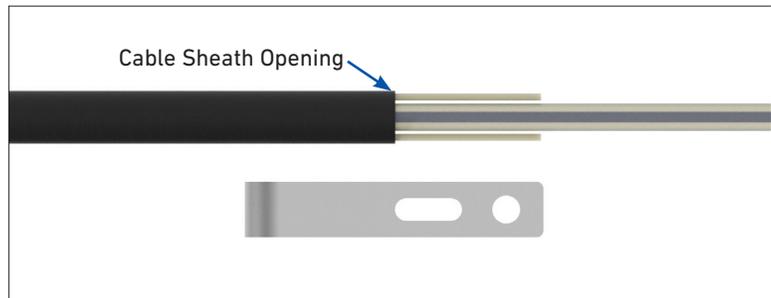
- 21 Secure the cable to the strength member bracket with the hose clamp provided.



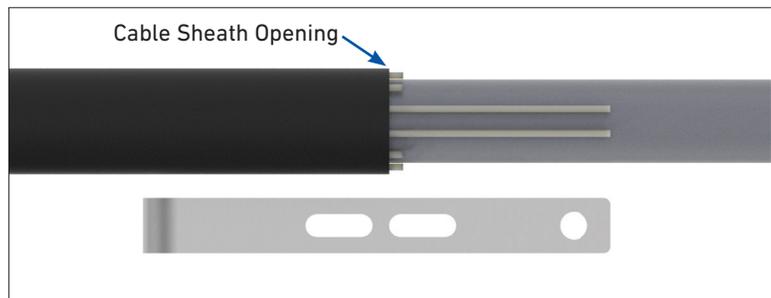
## ATTACHING UNITUBE CABLE TO STRENGTH MEMBER BRACKET

- 22 Align the cable sheath opening with the end of the slot of the strength member bracket and trim the strength members of the cable flush with the end of the bracket as shown.

**NOTE:** For cables with multiple strength members, only two strength members are required to be trimmed flush with the end of the strength member bracket. The remaining strength members can be cut flush with the sheath opening of the cable.

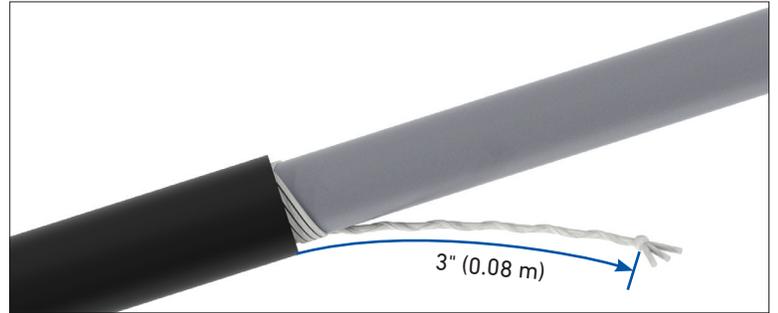


Short Strength Member Bracket



Long Strength Member Bracket

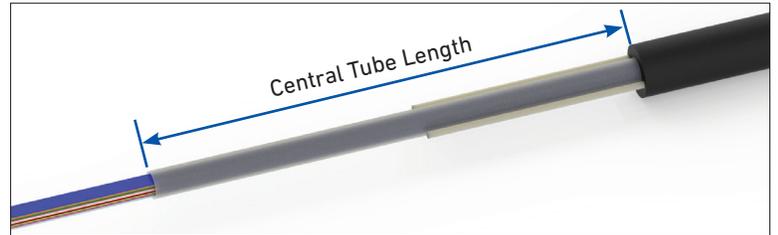
- 23 If the cable contains aramid yarn, braid roughly 3" (0.08 m) of the aramid yarn.



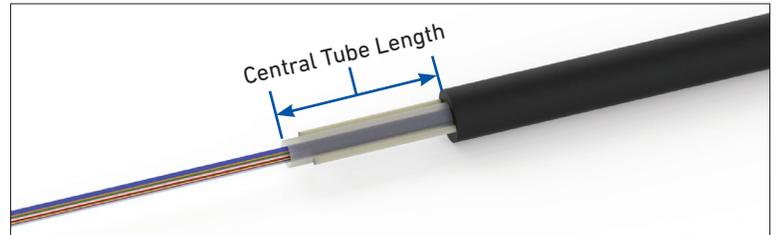
- 24 Measure and mark the central tube of the cable at the lengths for each closure according to the table to the right. Remove the central tube beyond the mark.

**CAUTION**

Follow the cable manufacturer's cable opening procedure to ensure the optical fibers of the cable are not cut or damaged.



Central Tube Length for 6.5" Dome Closure Bottom Cable Ports or COYOTE® ONE Dome Closure Outer Cable Ports

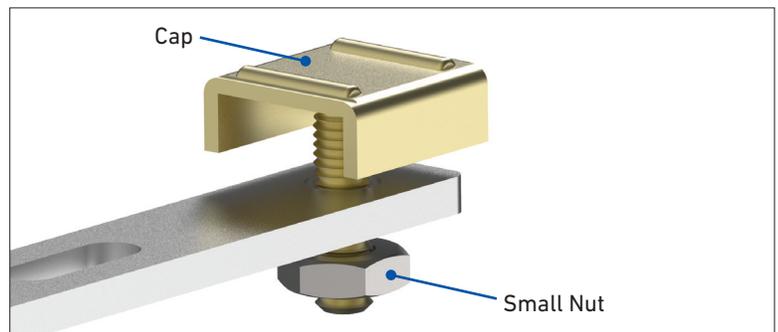


Central Tube Length for 6.5" Dome Closure Top Cable Ports or COYOTE ONE Dome Closure Central Cable Port

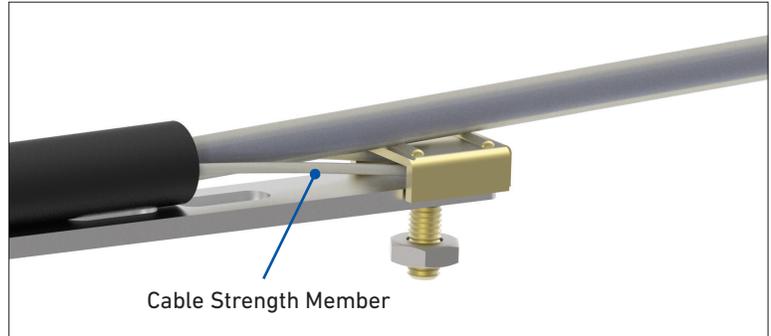
Central Tube Length for Unitube Cables

Closure	Central Tube Length (Bottom/Outer Cable Ports)		Central Tube Length (Top/Central Cable Ports)	
	in	m	in	m
COYOTE ONE	4.0	0.10	N/A	N/A
6.5" x 17" Dome	4.5	0.11	1.5	0.04
6.5" x 22" Dome	4.5	0.11	1.5	0.04

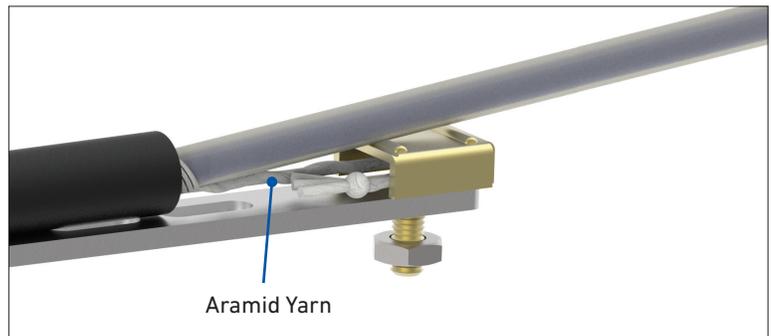
- 25 Install the cap on the strength member bracket and loosely secure it to the bracket with the small nut provided.



- 26 Position the strength members of the cable under the cap of the strength member bracket.



- 27 If the cable contains aramid yarn, wrap the yarn around the stud of the cap as shown.



- 28 Tighten the nut of the cap to secure the strength members or the aramid yarn under the cap.

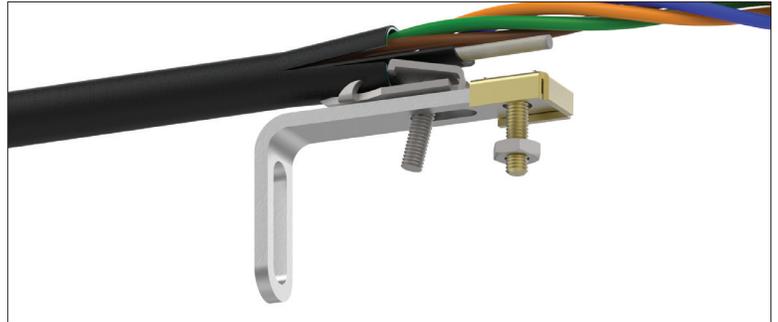


## ATTACHING SHIELDED CABLE TO STRENGTH MEMBER BRACKET

- 29** Install the shield connector on the cable and insert the stud of the shield connector through the slot of the strength member bracket.

**NOTE:** Follow your standard company practices when applying the shield connector to the cable.

PLP recommends using a Fiber Optic Shield Connector (**Catalog Number: 80803989**) for shielded cable applications.



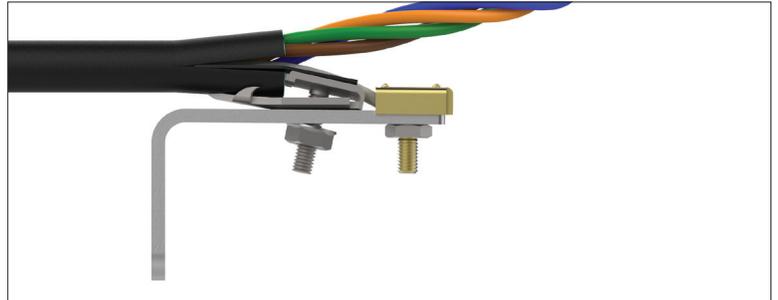
### CAUTION

If close attention is not paid while the shield connector is secured to the bracket, buffer tubes may become pinched or distorted.

- 30** Secure the shield connector to the strength member bracket with the nut and secure the cable strength members under the cap of the strength member bracket.

### CAUTION

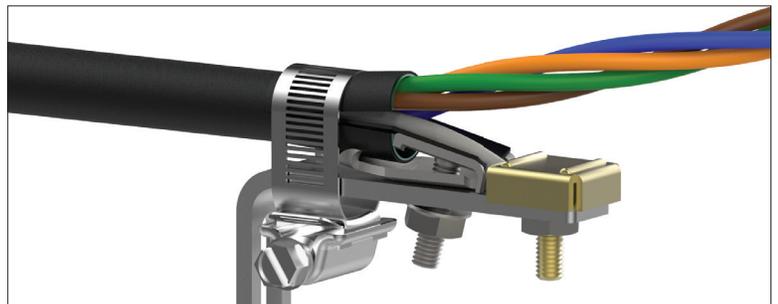
If close attention is not paid while the cable strength member(s) are secured under the cap, buffer tubes may become pinched or distorted.



- 31** Secure the shielded cable to the strength member bracket with the hose clamp.

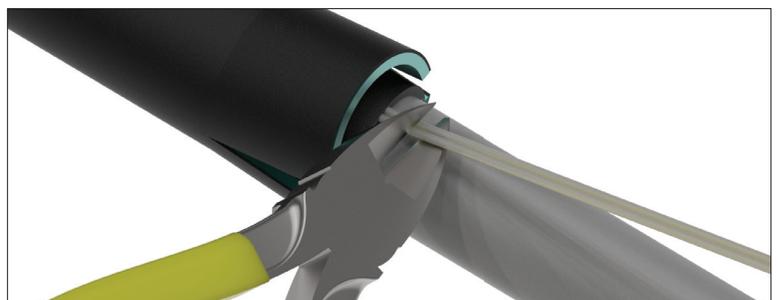
### CAUTION

If close attention is not paid while the cable is being secured to the strength member bracket with the hose clamp, buffer tubes may become pinched or distorted.



## ATTACHING SHIELDED CABLE WITH EMBEDDED STRENGTH MEMBERS IN THE CABLE SHEATH TO STRENGTH MEMBER BRACKET

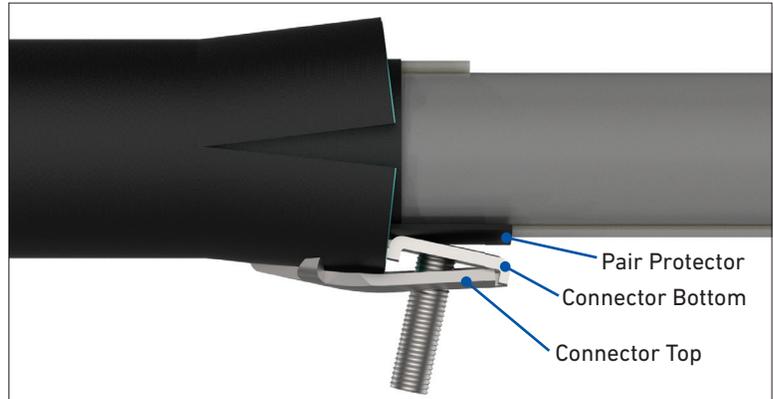
- 32** Cut off one set of strength members as close to the cable sheath opening as possible.



- 33** Install the shield connector onto the cable as shown.

**NOTE:** Follow your standard company practices when applying the shield connector to the cable.

PLP recommends using a Fiber Optic Shield Connector (**Catalog Number: 80803989**) for shielded cable applications.



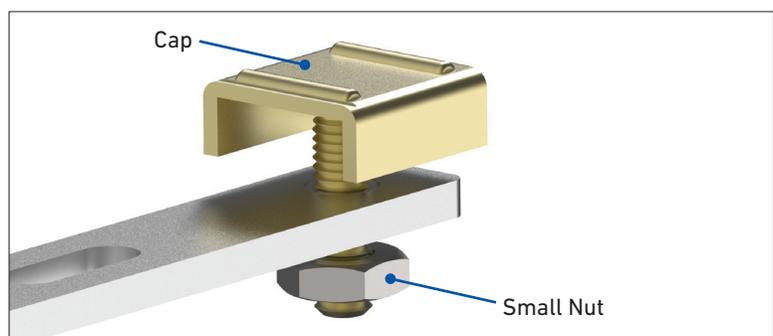
- 34** Insert the stud of the shield connector through the slot closest to the end of the strength member bracket and push the stud to the back of the slot (away from the end of the bracket).



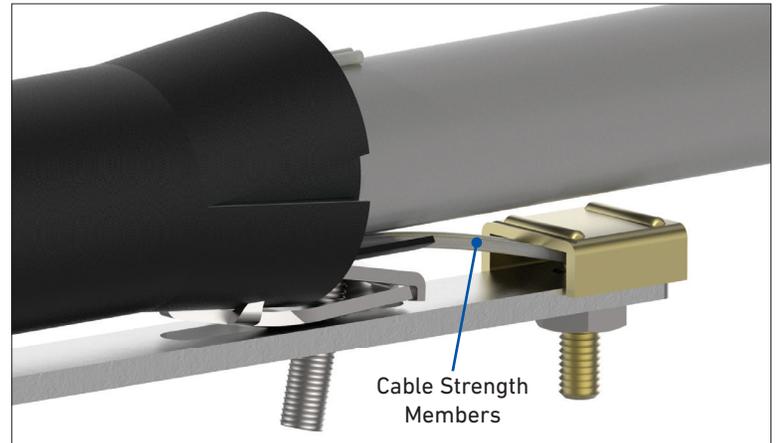
- 35** Trim the other set of strength members flush with the end of the strength member bracket. Once the strength members are trimmed, remove the strength member bracket from the cable.



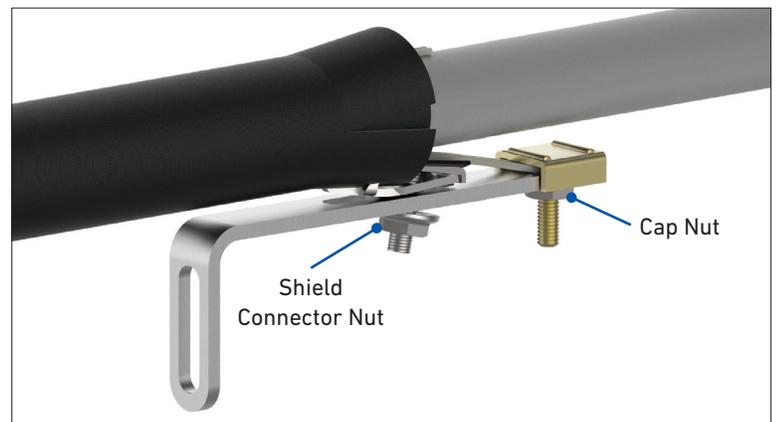
- 36** Install the cap on the strength member bracket and loosely secure it to the bracket with the small nut provided.



- 37** Re-insert the stud of the shield connector through the slot of the strength member bracket and capture the strength members of the cable under the cap of the bracket.



- 38** Secure the shield connector to the strength member bracket with the nut provided on the shield connector and secure the cable strength members by tightening the nut of the cap.



- 39** Secure the shielded cable to the strength member bracket with the hose clamp.

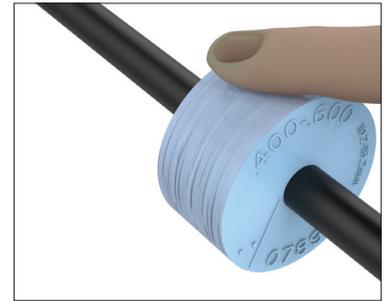


## CABLE INSTALLATION

- 40** Lubricate the outer surface of the grommets with the silicone lubricant provided with the grommets. Spread lubricant evenly around the outer surface of the grommet.

### CAUTION

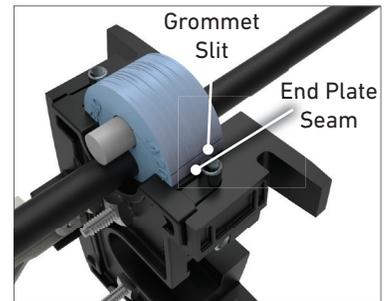
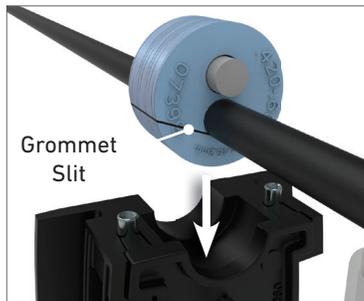
Only use the silicone lubricant provided. Other lubricants can cause the grommet not to seal properly in the end plate of the closure.



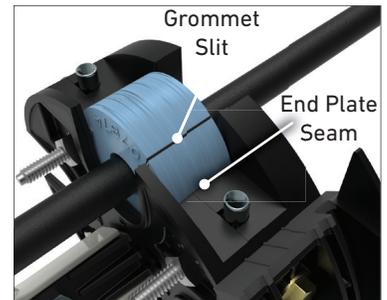
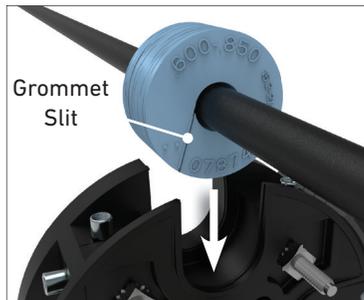
- 41** Position the grommets in the end plate cable ports.

### CAUTION

Do not align the grommet slit with the end plate seam. Alignment of the grommet slit with the end plate seam can cause the grommet not to seal properly around the cable.

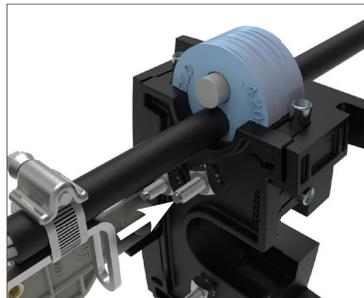


COYOTE ONE Dome Closure End Plate

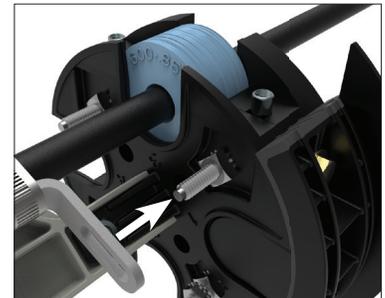


COYOTE 6.5" Dome Closure End Plate

- 42** Position the slot of the strength member bracket leg over the stud and pull back the cable.

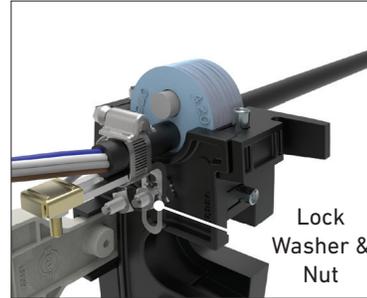


COYOTE ONE Dome Closure

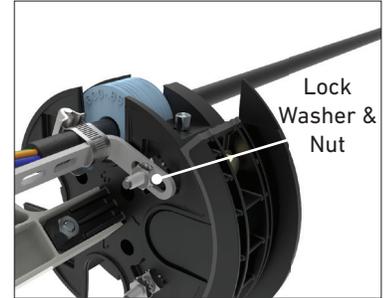


COYOTE 6.5" Dome Closure

- 43** Install the strength member bracket on the stud. Install the lock washer and nut against the bracket, but do not tighten fully, so the bracket can slide as the grommet is compressed by the end cap.



COYOTE ONE Dome Closure



COYOTE 6.5" Dome Closure

- 44** Install the end plate caps and the hex head bolts of the end plate. Secure the end plate caps by tightening the bolts by hand evenly until the end plate caps are fully seated. Make sure to secure the end plate caps of unused cable ports. Once all the end plate caps have been secured, tighten down the nuts of the strength member brackets to fully secure them to the end plate.

**NOTE:** When using a can wrench or nut driver, the installed torque is 35 to 40 in-lbs.

#### CAUTION

Do not use power tools to tighten down the hex head bolts. Doing so can cause damage to the bolts, inserts of the end plate, or the end plate.

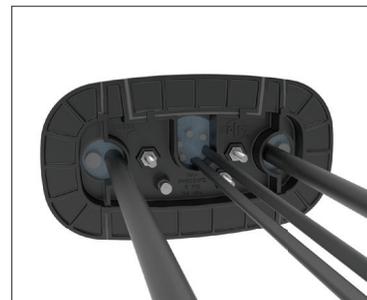


COYOTE ONE Dome Closure



COYOTE 6.5" Dome Closure

- 45** Completed end plate assembly.



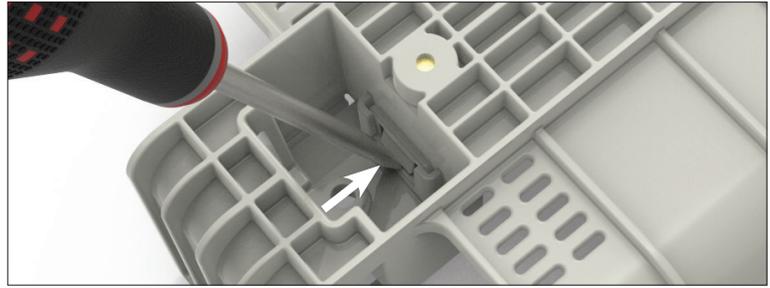
COYOTE ONE Dome Closure



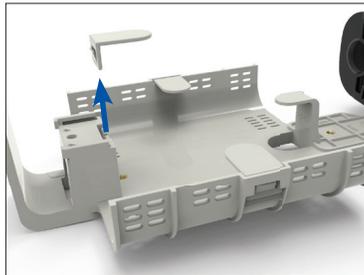
COYOTE 6.5" Dome Closure

## CONVERTING UNIVERSAL ORGANIZER FOR LEGACY & LITE-GRIP® SPLICE TRAYS

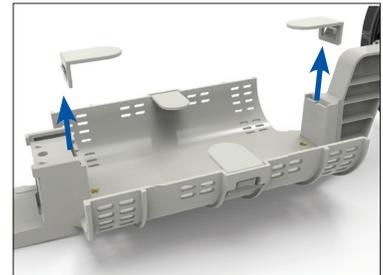
- 46** Remove the retention clips from each end of the slack basket by pressing in the retention tab of each retention clip with a flat head screwdriver and pulling up on the retention clip.



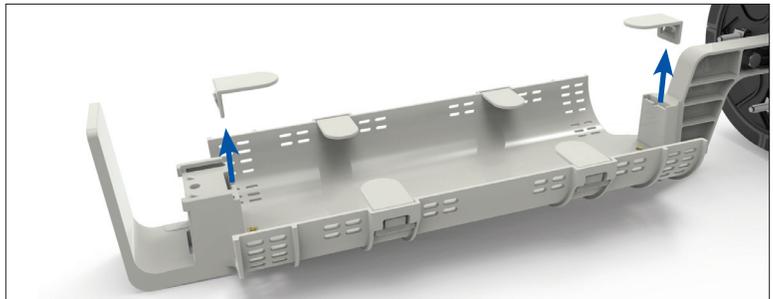
Pressing Retention Tab with Flat Head Screwdriver



COYOTE ONE Dome Closure

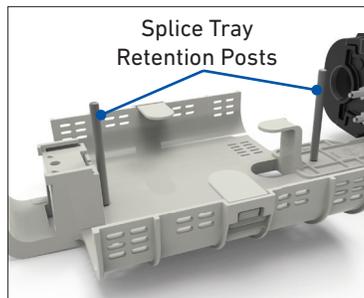


COYOTE 6.5" x 17" Dome Closure

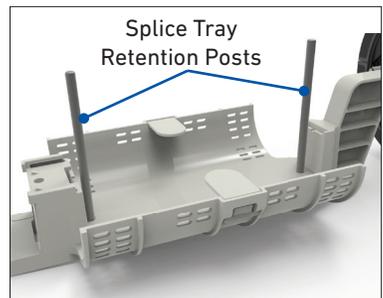


COYOTE 6.5" x 22" Dome Closure

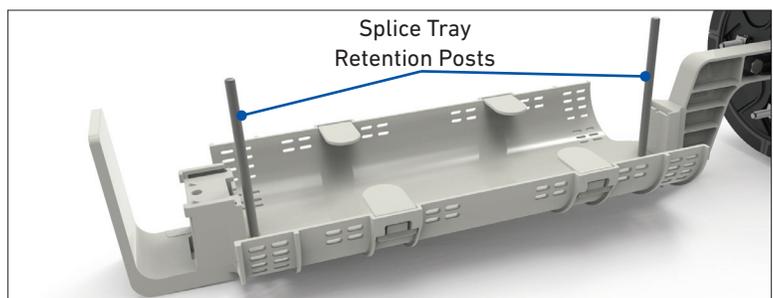
- 47** Install the splice tray retention posts into the inserts located in the base of the organizer as shown.



COYOTE ONE Dome Closure



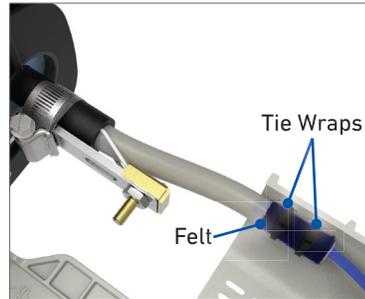
COYOTE 6.5" x 17" Dome Closure



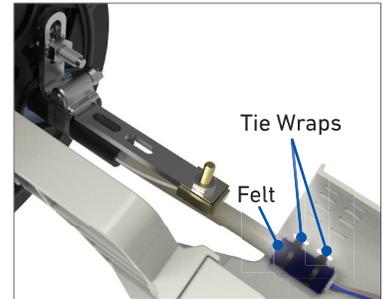
COYOTE 6.5" x 22" Dome Closure

## ROUTING IN ORGANIZER

- 48** For buffer tube cables, skip to Step #50. For unitube cables, route the central tube of the unitube cables entering from the outer cable ports (COYOTE ONE Dome Closures) or bottom cable ports (COYOTE 6.5" Dome Closure) to the slack basket. Wrap a piece of felt around the end of the central tube and secure it to the slack basket with tie wraps.

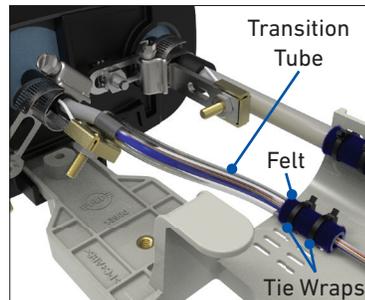


COYOTE ONE Dome Closure

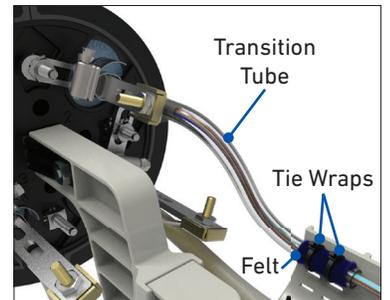


COYOTE 6.5" Dome Closure

- 49** For unitube cables, use a transition tube to route fibers from the center cable port (COYOTE ONE Dome Closure) or upper cable port(s) (COYOTE 6.5" Dome Closures) to the slack basket. Wrap a piece of felt around the end of each transition tube and secure it to the slack basket with tie wraps.

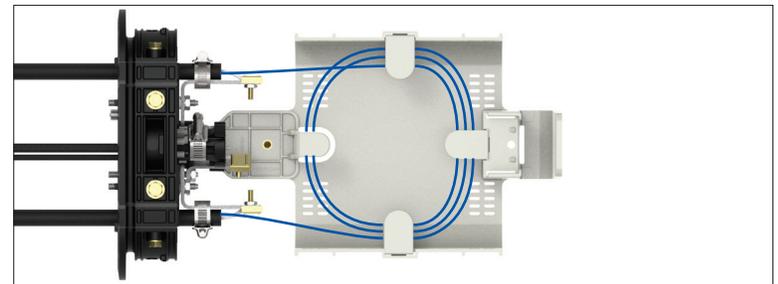


COYOTE ONE Dome Closure

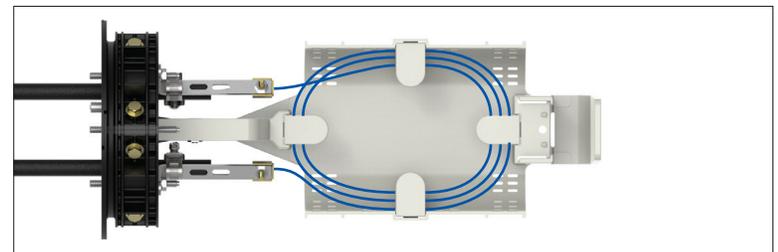


COYOTE 6.5" Dome Closure

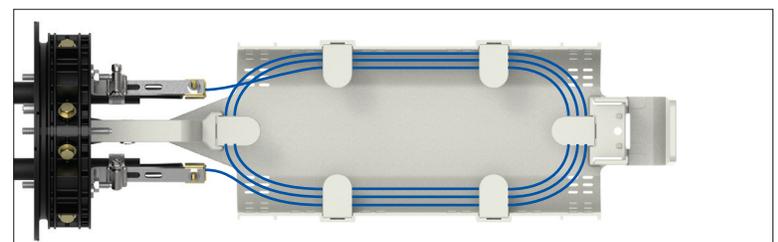
- 50** Route buffer tubes or fibers to be expressed through the storage basket of the organizer as shown.



COYOTE ONE Dome Closure Organizer



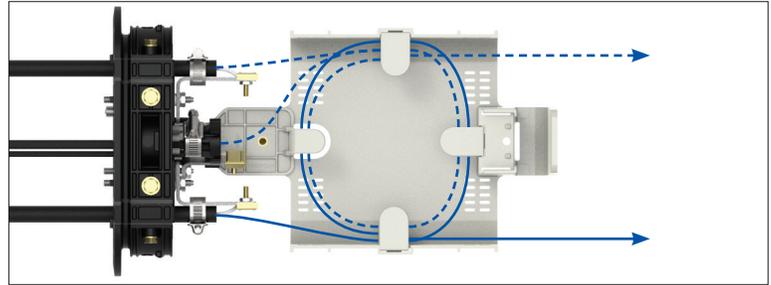
COYOTE 6.5" x 17" Dome Closure Organizer



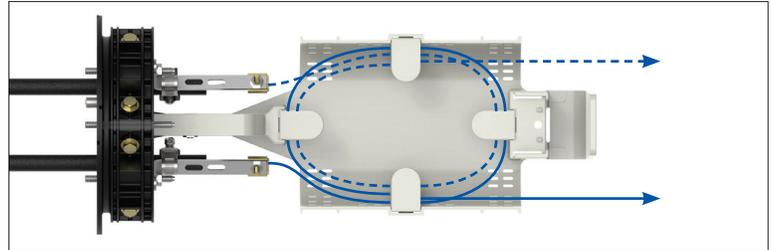
COYOTE 6.5" x 22" Dome Closure Organizer

- 51** Route incoming and outgoing buffer tubes or fibers in the storage basket of the organizer as shown.

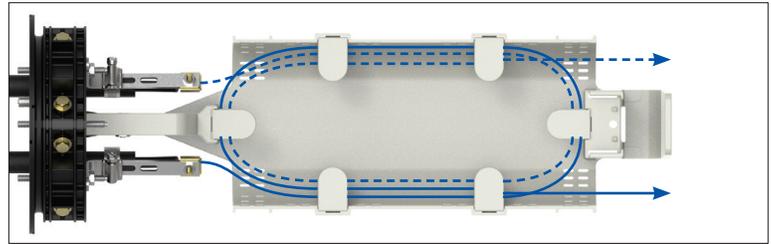
**NOTE:** Make sure that at least one slack loop is routed in the storage basket before routing the buffer tubes or fibers out of the organizer.



COYOTE ONE Dome Closure Organizer

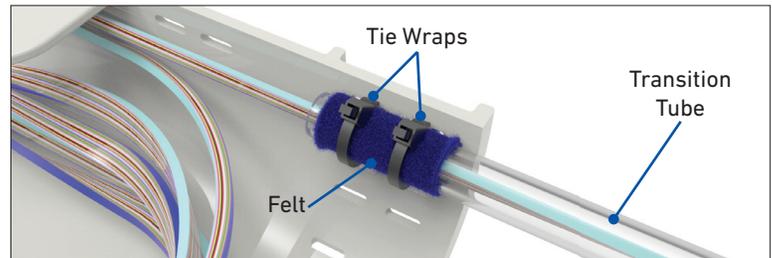


COYOTE 6.5" x 17" Dome Closure Organizer



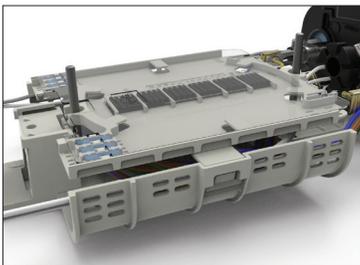
COYOTE 6.5" x 22" Dome Closure Organizer

- 52** Insert ribbons to be routed to splice tray(s) into transition tubes. Wrap a piece of felt around the ends of the transition tubes and secure the tubes to the slack basket with tie wraps.



## SPLICE TRAY MANAGEMENT

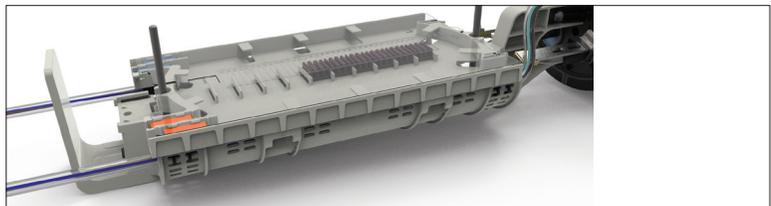
- 53A** Place the COYOTE Legacy or LITE-GRIP® Splice Tray onto the retention posts and rest the splice tray on the retention tabs of the slack basket.



COYOTE ONE Dome Closure

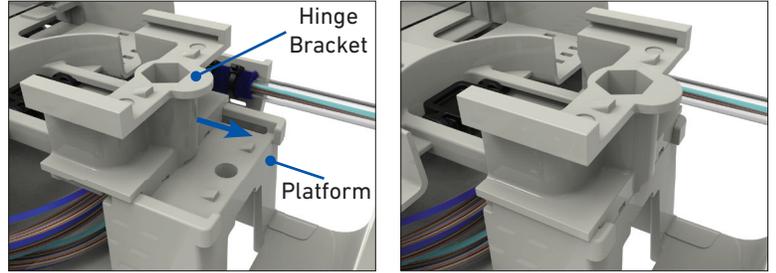


COYOTE 6.5" x 17" Dome Closure

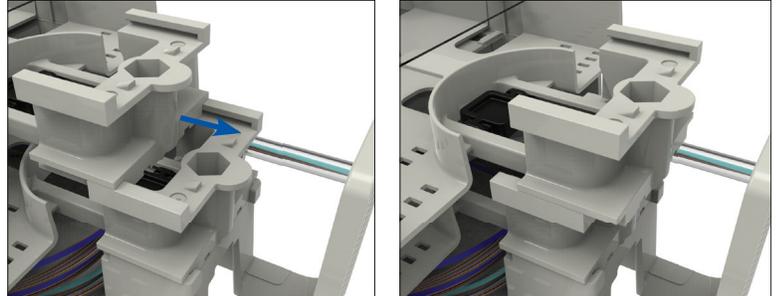


COYOTE 6.5" x 22" Dome Closure

- 53B** Insert the hinge bracket of the COYOTE Flip Splice Tray into the slots of the hinge bracket platform of the organizer. Slide the hinge bracket until it contacts the back wall of the platform.

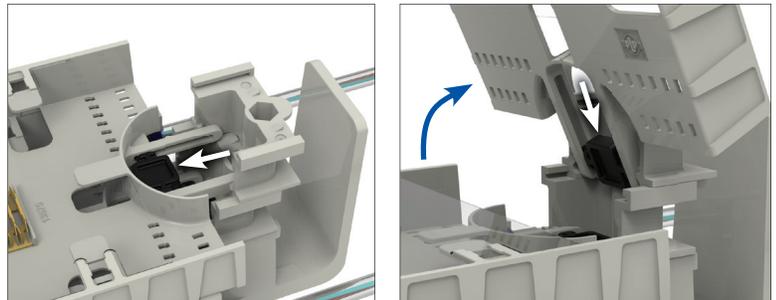


- 54** To add additional COYOTE Flip Splice Trays, insert the hinge bracket of the new splice tray into the slots of the hinge bracket of the previously installed splice tray. Slide the hinge bracket until it is able to slide past the back of the bottom hinge bracket to ensure it is fully engaged.

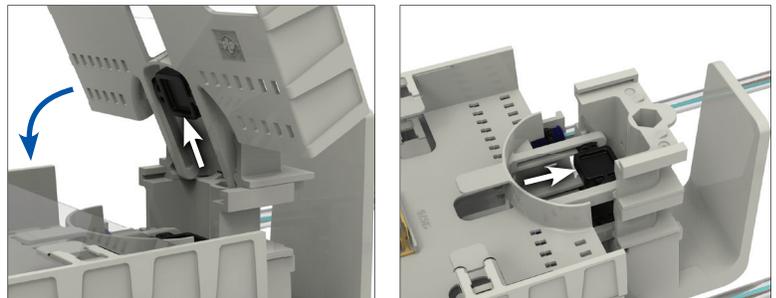


- 55** To pivot COYOTE Flip Splice Trays up or down, push the slide lock towards the tray and rotate the splice tray. To retain the tray in its position, move the slide lock all the way towards the hinge bracket.

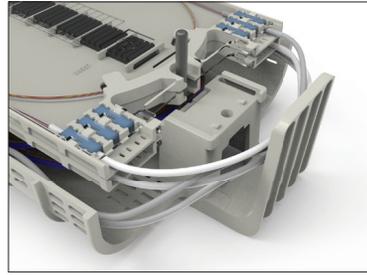
**NOTE:** The slide lock must be in the locked position for each tray that is in the upward position. Do not lock the slide lock for only the bottom splice tray of the stack of splice trays that are in the upward position.



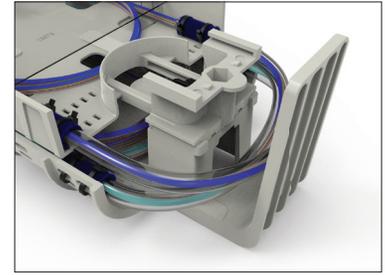
Rotating and Retaining COYOTE Flip Splice Trays In The Up Position



- 56** Route the buffer tube(s) or transition tube(s) to the splice tray(s) and secure them to the splice tray(s) according to the installation instructions provided with each splice tray.

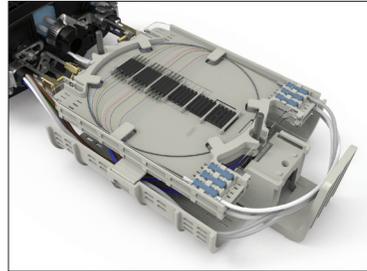


Buffer Tube Routing

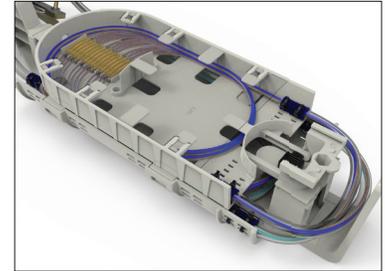


Transition Tube Routing

- 57** Route the fibers on the splice tray according to the installation instructions included with the splice tray kit. Splice the fibers according to your standard company practice.

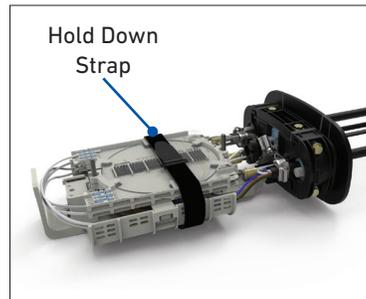


Single Fibers Routed and Spliced in COYOTE LITE-GRIP® Splice Tray

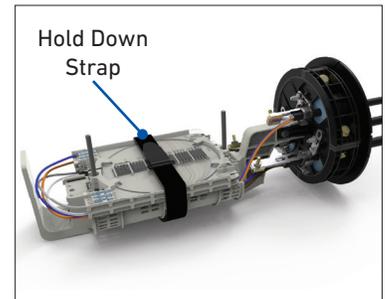


Ribbonized Fibers Routed and Spliced in COYOTE Flip Splice Tray

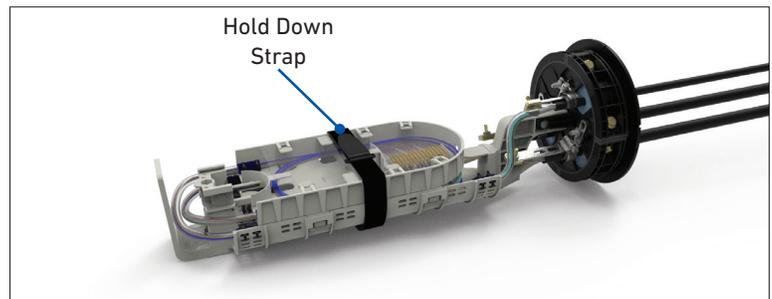
- 58** Secure the splice tray(s) within the organizer with the hold down strap.



COYOTE ONE Dome Closure



COYOTE 6.5" x 17" Dome Closure



COYOTE 6.5" x 22" Dome Closure

## GASKET INSTALLATION

- 59** Re-tighten all end plate cap bolts, including those of the unused cable ports, to ensure that the end plate caps are fully seated.

**NOTE:** When using a can wrench or nut driver, the installed torque is 35 to 40 in-lbs.

### CAUTION

Do not use power tools to tighten down the hex head bolts. Doing so can cause damage to the bolts, inserts of the end plate, or the end plate.



COYOTE ONE Dome Closure

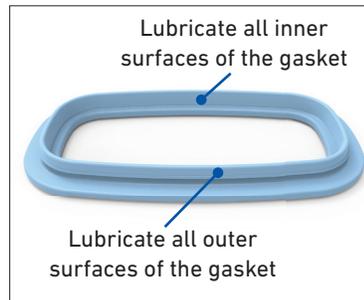


COYOTE 6.5" Dome Closure

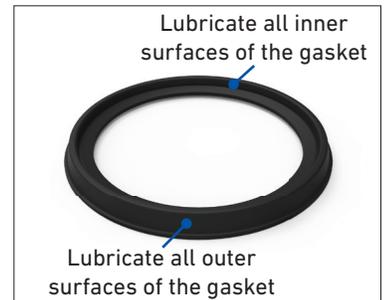
- 60** Lubricate all of the surfaces around the gasket with silicone lubricant to assure easy assembly and closure re-entry.

### CAUTION

Only use the silicone lubricant provided. Other lubricants can cause the gasket not to seal properly in the end plate of the closure.

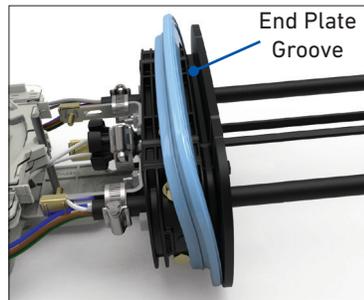


COYOTE ONE Dome Closure

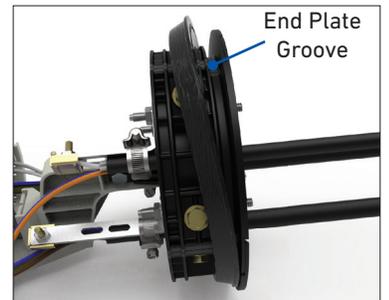


COYOTE 6.5" Dome Closure

- 61** Slide the end plate gasket over the organizer and onto the end plate with the wider side of the gasket facing the end plate. Position the gasket on the end plate so that the inner rib of the gasket is inserted into the groove of the end plate.

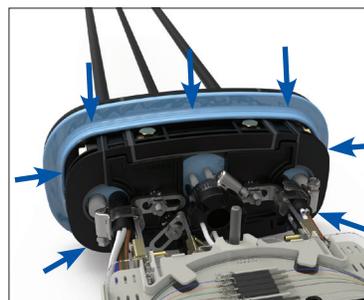


COYOTE ONE Dome Closure

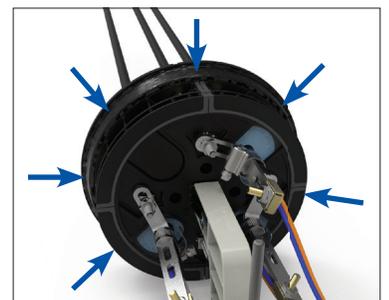


COYOTE 6.5" Dome Closure

- 62** Work the gasket into the groove so that it is seated properly in the end plate.



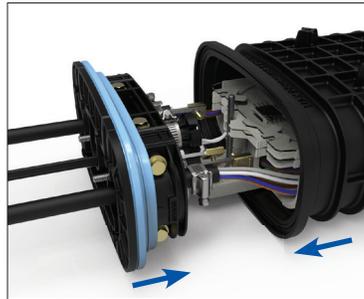
COYOTE ONE Dome Closure



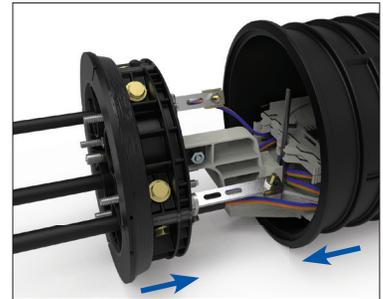
COYOTE 6.5" Dome Closure

## DOMES AND COLLAR INSTALLATION

- 63** Slide the dome over the organizer and insert the end plate into the dome.

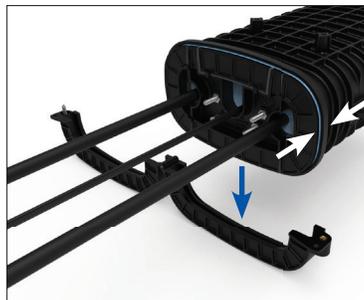


COYOTE ONE Dome Closure

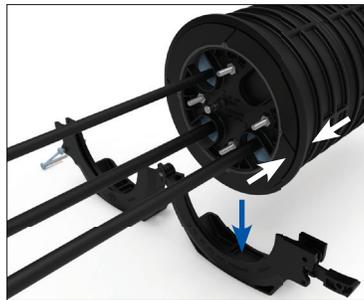


COYOTE 6.5" Dome Closure

- 64** Squeeze the end plate and dome together and insert them into the bottom half of the collar. Make sure that the lip of dome is captured within the collar.



COYOTE ONE Dome Closure



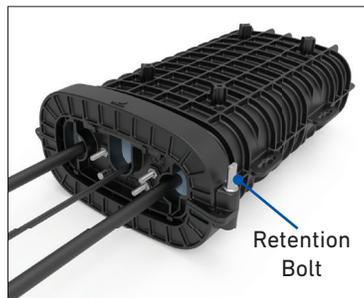
COYOTE 6.5" x 17" Dome Closure



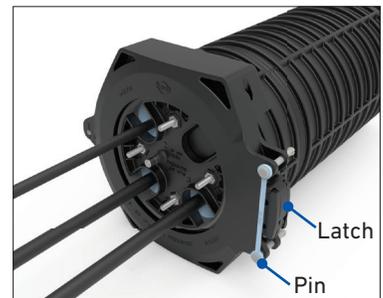
- 65** Rotate the top half of the collar and secure the collar halves together.

**NOTE:** For the COYOTE ONE Dome Closure, secure the collar halves together by screwing the retention bolt by hand or with a can wrench.

For COYOTE 6.5" Dome Closures, secure the collar halves together with the latch and install the pin.



COYOTE ONE Dome Closure



COYOTE 6.5" Dome Closure

## FLASH TEST PROCEDURE

- 66** Remove the cap from the air valve of the end plate.



COYOTE ONE Dome Closure



COYOTE 6.5" Dome Closure

- 67** Pressurize the closure up to its maximum psi rating.

**NOTE:** The COYOTE ONE Dome Closure can be pressurized up to a maximum of 5 psi.

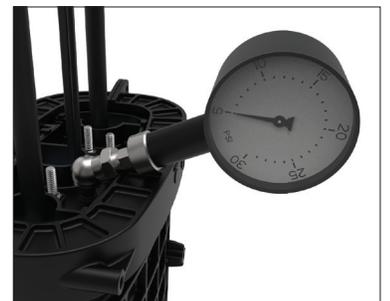
COYOTE 6.5" Dome Closures can be pressurized up to a maximum of 10 psi.

### CAUTION

Do not over pressurize the closure. Exceeding the maximum rated psi of the closure can cause failure of seals or permanent damage to the closure.



COYOTE ONE Dome Closure



COYOTE 6.5" Dome Closure



- 68** Spray all the sealing surfaces of the end plate with a soap/water solution to determine if the end plate has been assembled properly.



COYOTE ONE Dome Closure



COYOTE 6.5" Dome Closure

**69**

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



COYOTE ONE Dome Closure



COYOTE 6.5" Dome Closure

## APPENDIX A

### COYOTE® ONE Dome Closure Kit with Universal Organizer

Catalog Number	Description
COY1U-000	COYOTE ONE with Universal Organizer – Includes (2) 2-Hole Grommets 0.42" – 0.60" (10.7 mm – 15.2 mm), (1) 6-Hole Grommet 0.125" – 0.250" (3.2 mm – 6.4 mm) & Flat Drop Cable, and (3) Cable Restraint Brackets with Associated Hardware

Kit also includes (1) COYOTE Segmented End Plate with Universal Organizer, (1) Dome, (1) Collar, (1) End Plate Gasket, (2) Splice Tray Retention Posts, and (1) Transition Tubing Kit. Splice Trays and Hanger Brackets are sold separately.

### COYOTE 6.5" x 17" Dome Closure Kits with Universal Organizer

Catalog Number	Description
COYD617U-000	COYOTE 6.5" x 17" Dome Closure with Universal Organizer – Includes (2) 1-Hole Grommets 0.40" – 0.60" (10.2 mm – 15.2 mm), (2) 1-Hole Grommets 0.60" – 0.85" (15.2 mm – 21.6 mm), and (4) Cable Restraint Brackets with Associated Hardware
CXD617U-002	COYOTE 6.5" x 17" Cross-Connect Dome Closure with Universal Organizer – Includes (2) 1-Hole Grommets 0.40" – 0.60" (10.2 mm – 15.2 mm), (2) 1-Hole Grommets 0.60" – 0.85" (15.2 mm – 21.6 mm), (4) Cable Restraint Brackets with Associated Hardware, and (1) COYOTE Short Flip Patch Tray. <b>NOTE: Adapters and pigtails sold separately</b>
CXD617U-003	COYOTE 6.5" x 17" Cross-Connect Dome Closure with Universal Organizer – Includes (2) 1-Hole Grommets 0.40" – 0.60" (10.2 mm – 15.2 mm), (2) 1-Hole Grommets 0.60" – 0.85" (15.2 mm – 21.6 mm), (4) Cable Restraint Brackets with Associated Hardware, and (1) 16 Position Bulkhead Bracket. <b>NOTE: Adapters and pigtails sold separately</b>

Kit also includes (1) COYOTE Segmented End Plate with Universal Organizer, (1) Dome, (1) Collar, (1) End Plate Gasket, (2) Splice Tray Retention Posts, and (1) Transition Tubing Kit. Splice Trays and Hanger Brackets are sold separately.

### COYOTE 6.5" x 22" Dome Closure Kits with Universal Organizer

Catalog Number	Description
COYD622U-000	COYOTE 6.5" x 22" Dome Closure with Universal Organizer – Includes (2) 1-Hole Grommets 0.40" – 0.60" (10.2 mm – 15.2 mm), (2) 1-Hole Grommets 0.60" – 0.85" (15.2 mm – 21.6 mm), and (4) Cable Restraint Brackets with Associated Hardware
CXD622U-002	COYOTE 6.5" x 22" Cross-Connect Dome Closure with Universal Organizer – Includes (2) 1-Hole Grommets 0.40" – 0.60" (10.2 mm – 15.2 mm), (2) 1-Hole Grommets 0.60" – 0.85" (15.2 mm – 21.6 mm), (4) Cable Restraint Brackets with Associated Hardware, and (1) COYOTE Long Flip Patch Tray. <b>NOTE: Adapters and pigtails sold separately</b>
CXD622U-003	COYOTE 6.5" x 22" Cross-Connect Dome Closure with Universal Organizer – Includes (2) 1-Hole Grommets 0.40" – 0.60" (10.2 mm – 15.2 mm), (2) 1-Hole Grommets 0.60" – 0.85" (15.2 mm – 21.6 mm), (4) Cable Restraint Brackets with Associated Hardware, and (1) 32 Position Bulkhead Bracket. <b>NOTE: Adapters and pigtails sold separately</b>

Kit also includes (1) COYOTE Segmented End Plate with Universal Organizer, (1) Dome, (1) Collar, (1) End Plate Gasket, (2) Splice Tray Retention Posts, and (1) Transition Tubing Kit. Splice Trays and Hanger Brackets are sold separately.

## APPENDIX B

### Accessory Kits for COYOTE® Dome Closures

Catalog Number	Description
80809205	Strength Member Bracket Kit – Includes (2) Short L-Brackets
80808651	Strength Member Bracket Kit – Includes (4) Long L-Brackets (For Use in 6.5" Dome Closures Only)
80808878	Large Strength Member Adapter Kit for Long Strength Member Brackets
80803989	Shield Connector
80811037	4-Port Cable Retention Bobbin Kit
80811036	6-Port Drop Cable Retention Bobbin Kit
80812928	6/8-Port Drop Cable Retention Bobbin Kit
80809894	End Plate Gasket for COYOTE ONE Dome Closure
80809897	Collar Assembly for COYOTE ONE Dome Closure
COYEPFIX1	End Plate Assembly Fixture for COYOTE 6.5" and 9.5" Dome Closures
80808997	End Plate Gasket for COYOTE 6.5" Dome Closures
80807332	Latching Collar for COYOTE 6.5" Dome Closures
80061200	Breakaway Bonding Plate for 6.5" Dome Closures

### Mounting Bracket Kits for COYOTE® ONE Dome Closure

Catalog Number	Description
EVOBKT-ALC	Aerial Low Clearance Mounting Bracket – Strand Applications
8004031	Aerial Low Clearance Mounting Bracket – ADSS Applications
EVOBKT-AE	Aerial Adjustable Offset Mounting Bracket – Strand Applications
8004032	Aerial Adjustable Offset Mounting Bracket – ADSS Applications
EVOBKT-PWM	Pole/Wall Mounting Bracket
8003835	Universal Mounting Bracket – Handhole Applications
8004003	Manhole Support Bracket

### Mounting Bracket Kits for COYOTE® 6.5" Dome Closures

Catalog Number	Description
8003831	Aerial Mounting Bracket – Strand Applications
8004035	Aerial Adjustable Offset Mounting Bracket – Strand Applications
8003833	Aerial Mounting Bracket – ADSS Applications
8004036	Aerial Adjustable Offset Mounting Bracket – ADSS Applications
8003702	Pole/Wall Mounting Bracket
8003835	Universal Mounting Bracket – Handhole Applications
8003707	Swing Arm for Handhole Applications
8004003	Manhole Support Bracket

## APPENDIX C

### COYOTE® Silicone Grommet Chart for COYOTE Dome Closures

Catalog Number	Cable		Description	Image	Slit Location
	in	mm			
8003691	0.40 - 0.60	10.2 - 15.2	1-entry grommet		
8003692	0.60 - 0.85	15.2 - 21.6	1-entry grommet		
8003693	0.85 - 1.00	21.6 - 25.4	1-entry grommet (Not for use in COYOTE® ONE)		
8003694	1.00 - 1.25	25.4 - 31.8	1-entry grommet (Not for use in COYOTE ONE)		
8003663	0.42 - 0.60	10.7 - 15.2	2-entry grommet		
8004122	RPX Only	RPX Only	2-entry grommet		
8003990	0.50 - 0.60 & 0.125 - 0.25 or Flat Drop	12.7 - 15.2 & 3.2 - 6.4 or Flat Drop	4-entry grommet		
8004065	0.250 - 0.312	6.4 - 7.9	4-entry grommet		
8003664	0.30 - 0.43	7.6 - 10.9	4-entry grommet		
8003665	0.125 - 0.25 or Flat Drop	3.2 - 6.4 or Flat Drop	6-entry grommet		
8003676	0.42 - 0.60 & 0.125 - 0.25 or Flat Drop	10.7 - 15.2 & 3.2 - 6.4 or Flat Drop	7-entry grommet		
8003677	0.125 - 0.25 or Flat Drop	3.2 - 6.4 or Flat Drop	8-entry grommet		Not Available

## APPENDIX D

### COYOTE® Splice Tray Capacity Chart for COYOTE ONE and COYOTE 6.5" x 17" Dome Closures

Catalog Number	Description	Image	Splice Type	COYOTE ONE		COYOTE 6.5" x 17" Dome	
				Max Trays per Closure	Closure Max Splice Capacity	Max Trays per Closure	Closure Max Splice Capacity
<b>Single Fusion Splice Trays (Listed from Lowest to Highest Splice Count)</b>							
80806033	Legacy Standard Profile (12 Splice Count)		Single Fusion (Single Stack)	3	36	4	48
80807701	Legacy Low Profile (12 Splice Count)		Single Fusion (Single Stack)	4	48	6	72
80814404	Flip Deep Profile (36 Splice Count)		Single Fusion (Double Stack)	1	36	2	72
80808945	LITE-GRIP® Deep Profile (40 Splice Count)		Single Fusion (Double Stack)	2	80	3	120
80814403	Flip Thin Profile (36 Splice Count)		Single Fusion (Double Stack)	2	72	4	144
80809958	LITE-GRIP® Low Profile (24 Splice Count)		Single Fusion (Single Stack)	4	96	6	144
80813152	LITE-GRIP® Low Profile (36 Splice Count)		Single Fusion (Single Stack)	4	144	6	216
<b>Ribbon/Mass Fusion Splice Trays (Listed from Lowest to Highest Splice Count)</b>							
80807114	Legacy Deep Profile (72 Splice Count)		Mass Fusion/Ribbon	2	144	3	216
80814404	Flip Deep Profile (144 Splice Count)		Mass Fusion/Ribbon	1	144	2	288
80814403	Flip Thin Profile (144 Splice Count) <sup>1</sup>		Mass Fusion/Ribbon	2	288	4	576
LGSTR144	LITE-GRIP® Deep Profile (144 Splice Count)		Mass Fusion/Ribbon	2	288	3	432

<sup>1</sup>The 80814403 thin-profile flip tray can only be used for cables that contain SpiderWeb Ribbon (SWR®) – AFL, Rollable Ribbon (RR) – OFS, Pliable Ribbon – Sumitomo, or FlexRibbon™ – Prysmian.

SWR® is a registered trademark of AFL. FlexRibbon™ is a registered trademark of Prysmian

**COYOTE® Splice Tray Capacity Chart for COYOTE 6.5" x 22" Dome Closures**

Catalog Number	Description	Image	Splice Type	COYOTE 6.5" x 22" Dome	
				Max Trays per Closure	Closure Max Splice Capacity
<b>Single Fusion Splice Trays (Listed from Lowest to Highest Splice Count)</b>					
80805514	Legacy Standard Profile (36 Splice Count)		Single Fusion (Single Stack)	4	144
80810086	LITE-GRIP® Standard Profile (36 Splice Count)		Single Fusion (Single Stack)	4	144
80814406	Flip Deep Profile (72 Splice Count)		Single Fusion/Ribbon	2	144
8001127	Legacy Low Profile (36 Splice Count)		Single Fusion (Single Stack)	6	216
LGSTS72	LITE-GRIP® Deep Profile (72 Splice Count)		Single Fusion (Double Stack)	3	216
80814405	Flip Thin Profile (72 Splice Count)		Single Fusion (Double Stack)	4	288
<b>Ribbon/Mass Fusion Splice Trays (Listed from Lowest to Highest Splice Count)</b>					
80805515	Legacy Deep Profile (144 Splice Count)		Mass Fusion/Ribbon	3	432
80814405	Flip Thin Profile (144 Splice Count) <sup>1</sup>		Mass Fusion/Ribbon	4	576
80814406	Flip Deep Profile (288 Splice Count)		Mass Fusion/Ribbon	2	576
LGSTR216	LITE-GRIP® Deep Profile (216 Splice Count)		Mass Fusion/Ribbon	3	648

<sup>1</sup>The 80814405 thin-profile flip tray can only be used for cables that contain SpiderWeb Ribbon (SWR®) – AFL, Rollable Ribbon (RR) – OFS, Pliable Ribbon – Sumitomo, or FlexRibbon™ – Prysmian.

SWR® is a registered trademark of AFL. FlexRibbon™ is a registered trademark of Prysmian







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