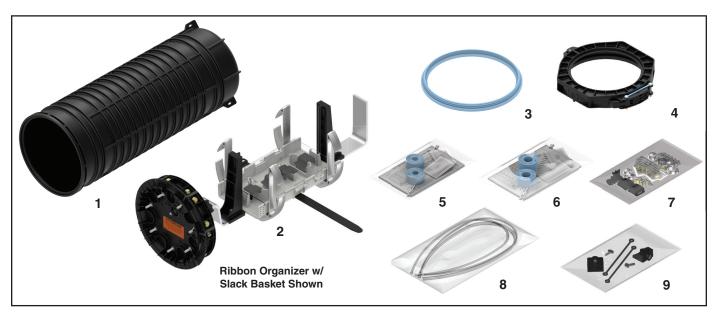
COYOTE® Dome Closure 9.5" x 28"

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 (1)
- 2. End Plate with 9.5" x 28" Organizer (1)
- 3. Dome Gasket (1)
- 4. Dome Collar (1)
- 5. Grommet Kit (1) (0.60" 0.85" Cable Range)
- 6. Grommet Kit (1) (0.85" 1.00" Cable Range)
- 7. Small Parts Bag (1)
- 8. Transition Tubing Kit Ribbon Organizers ONLY (2)
- 9. Tray Retention Clip Kit Max Tray Organizers ONLY (1)

TOOLS REQUIRED

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

COYOTE Splice Tray Capacity Chart for COYOTE Dome Closure 9.5" x 28"					
PLP Catalog Number	Description	Image	Splice Type	Max Trays per Closure	Closure Max Splice Capacity
80810086	Long Standard Profile LITE- GRIP Splice Tray (36 ct)	A STATE OF THE STA	Single Fusion	With Buffer Tube Organizer - 10 With Ribbon Organizer - 11 With Max Tray Organizer - 15	With Buffer Tube Organizer - 360 With Ribbon Organizer - 396 With Max Tray Organizer - 540
LGSTS72	Long Deep Profile LITE- GRIP Splice Tray (72 ct)		Single Fusion	With Buffer Tube Organizer - 6 With Ribbon Organizer - 8 With Max Tray Organizer - 10	With Buffer Tube Organizer - 432 With Ribbon Organizer - 576 With Max Tray Organizer - 720
LGSTR216	Long Deep Profile LITE- GRIP Splice Tray (216 ct)	Carl Carl	Mass Fusion/ Ribbon	With Buffer Tube Organizer - N/A With Ribbon Organizer - 8 With Max Tray Organizer - 10	With Buffer Tube Organizer - N/A With Ribbon Organizer - 1728 With Max Tray Organizer - 2160

Closure Kits for COYOTE® Dome Closure 9.5" x 28"				
PLP Catalog Number Description				
80061055	COYOTE 9.5" x 28" Dome Closure for Buffer Tube – Includes (2) 1-Hole Grommets 0.60" – 0.85" (15.2 – 21.6 mm) and (2) 1-Hole Grommets 0.85" – 1.00" (21.6 – 25.4 mm)			
80061056	COYOTE 9.5" x 28" Dome Closure for Ribbon – Includes (2) 1-Hole Grommets 0.60" – 0.85" (15.2 – 21.6 mm), (2) 1-Hole Grommets 0.85" – 1.00" (21.6 – 25.4 mm), and (2) Transition Tubing Kits			
80061057	COYOTE 9.5" x 28" Dome Max Tray Closure for Buffer Tube – Includes (2) 1-Hole Grommets 0.60" – 0.85" (15.2 – 21.6 mm), (2) 1-Hole Grommets 0.85" – 1.00" (21.6 – 25.4 mm), and (1) Tray Retention Clip Kit			
	Accessory Kits for COYOTE Dome Closure 9.5" x 28"			
COYEPFIX1	End Plate Assembly Fixture for COYOTE Domes			
8004160	Heat Shrink Splice Protector Kit – Includes (50) 40 mm Mass Fusion			
8004095	Heat Shrink Splice Protector Kit – Includes (50) 40 mm Single Fusion			
8003717	Heat Shrink Splice Protector Kit – Includes (50) 60 mm Single Fusion			
80061335	Deep Slack Basket (2.05" Deep) Kit for up to 576 Expressed Ribbon Applications			
80061495	Deep Slack Basket (2.85" Deep) Kit for up to 864 Expressed Ribbon Applications			
80813717	End Plate Gasket for 9.5" Domes			
80808528-1	Latching Collar for 9.5" Domes			
80061201	Breakaway Bonding Plate for 9.5" Domes			
80809205	Strength Member Bracket Kit – Includes (2) Short L-Brackets			
800015236	Strength Member Bracket Kit – Includes (3) Long L-Brackets and (3) Hose Clamps			
80808651	Strength Member Bracket Kit – Includes (4) Long L-Brackets			
80808878	Large Strength Member Adapter Kit			
80811037	4-Port Cable Retention Bobbin Kit			
80811036	6-Port Drop Cable Retention Bobbin Kit			
80812928	6/8-Port Drop Cable Retention Bobbin Kit			
COYOTE Dome Closure 9.5" x 28" Mounting Brackets				
8003940	Aerial Mounting Bracket – Strand Applications			
8004037	Aerial Adjustable Offset Mounting Bracket – Strand Applications			
8003869	Aerial Mounting Bracket – ADSS Applications			
8004038	Aerial Adjustable Offset Mounting Bracket – ADSS Applications			
8003942	Pole/Wall Mounting Bracket			
8003835	Universal Mounting Bracket Kit – Handhole Applications			
8003941	Aerial Mounting Bracket – End Plate Mounting Applications			
8004003	Manhole Support Bracket			

Grommet Chart for COYOTE® Dome Closure 9.5" x 28"				
PLP Catalog Number	Cable Range Inches (mm)	Description	Image	Slitting Location
8003691	.4060 (10.2 - 15.2 mm)	1-entry grommet	900.800 1. A	200
8003692	.6085 (15.2 - 21.6 mm)	1-entry grommet	\$60.88 ₀	
8003693	.85 - 1.00 (21.6 - 25.4 mm)	1-entry grommet	STATE OF THE PARTY	
8003694	1.00 - 1.25 (25.4 - 31.8 mm)	1-entry grommet	50 - 120 pt	
8003663	.4260 (10.7 - 15.2 mm)	2-entry grommet	\$20-8 ₀ 02350	69
8003664	.3043 (7.6 - 10.9 mm)	4-entry grommet	900, 930	69
8004065	.250312 (6.4 - 7.9 mm)	4-entry grommet		
8003990	.5060 (12.7 - 15.2 mm) .125250 (3.2 - 6.4 mm) and flat drop	4-entry grommet	# 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
8003665	.125250 (3.2 - 6.4 mm) and flat drop	6-entry grommet	39.38	1
8003676	.4260 (10.7 - 15.2 mm) .125250 (3.2 - 6.4 mm) and flat drop	7-entry grommet		
8003677	.125250 (3.2 - 6.4 mm) and flat drop	8-entry grommet	35.28 ₀	N/A
8004122	RPX only	2-entry grommet	11	

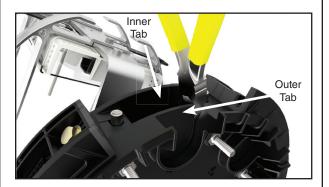
End Plate Preparation

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



NOTE: For expressed buffer tube, buffered ribbon, or unitube applications use ports 3, 4, 5, and 6. Use all other cable ports for branch or drop cables.

Step #2 Remove the end plate caps from the selected cable ports. Break out the outer and inner tabs of each 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.



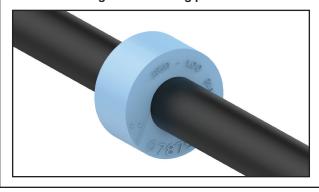


Cable Preparation

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



Step #4 If using cut cable, insert cable through grommet. If your application requires express/balloon/ring cut cables, see Step 6 for grommet slitting procedure.



Step #5 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 into the grommet and insert cable into grommet.

Remove any burrs left on the cable caused by separating the tracer wire from the sheath.

Cable with Tracer Wire

NOT CORRECT INSTALLATION

RECT CORRECT
ATION INSTALLATION
Figure 8 Style Cable



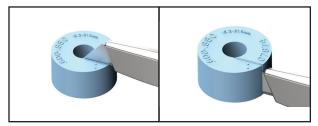


NOT CORRECT INSTALLATION

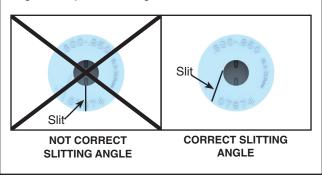
CORRECT INSTALLATION

Step #6 Grommet Slitting – If slitting is required, lay grommet on a stable flat surface.

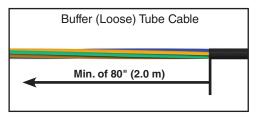
Position utility knife with the cutting edge against the top surface and cut through grommet. Consult the grommet chart on page 3 for slitting locations of all grommets.

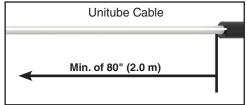


PLP Tip: Use a pen to sketch slitting lines on top surface of grommet prior to cutting.



Step #7 Prepare loose tube/buffer tube or unitube/ribbon cable(s) for cut applications.



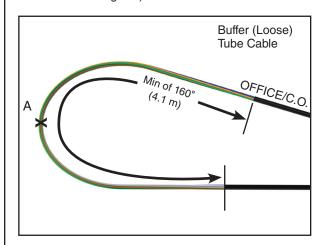


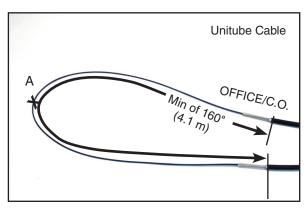
Minimum Sheath Opening for Cut Cable Applications		
Buffer/ Loose Tube Cable	80" (2.0 m)	
Unitube Cable	80" (2.0 m)	

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

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

Step #8 Prepare loose tube/buffer tube cable(s) for mid sheath applications (Express/Balloon/Ring Cut).





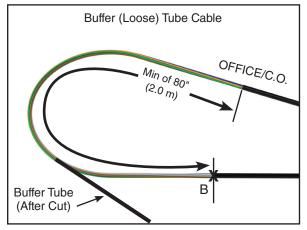
NOTE: When expressing ribbons in the slack basket of the closure at this measurement, the maximum number of ribbons that can be expressed is 36 ribbons (432 fibers).

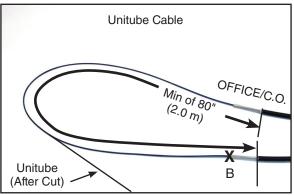
For Applications Where Fiber is NOT Dedicated to the Splice Point		
Sheath Opening	Min. of 160" (4.1 m)	
Buffer Tube Cable Cut Location	A (see 1st image)	
Unitube Cable Cut Location	A (see 2nd image)	

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

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

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





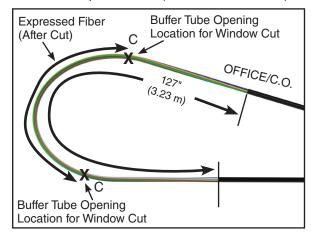
NOTE: When expressing ribbons in the slack basket of the closure at this measurement, the maximum number of ribbons that can be expressed is 36 ribbons (432 fibers).

For Applications Where Fiber is Dedicated to the Splice Point		
Sheath Opening	Min. of 80" (2.0 m)	
Buffer Tube Cable Cut Location	B (see 1st image)	
Unitube Cable Cut Location	B (see 2nd image)	

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

Cable Sheath Opening for Window Cut Applications

Step #10 Prepare loose tube/buffer tube cable(s) for expressed fiber (buffer tube window cut)

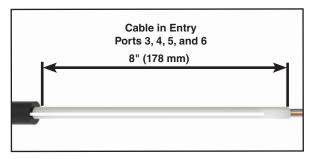


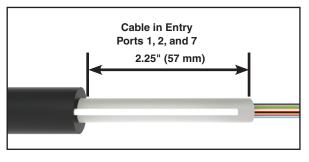
For Window Cut Applications		
Buffer Tube Length	37" (1.94 m)	
Expressed Fiber Length	53" (1.35 m)	
Sheath Opening	127" (3.23 m)	
Buffer Tube Opening Location	C (see image above)	

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

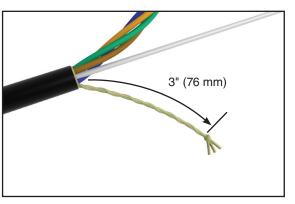
Core Tube Opening for Unitube Cables

Step #11 Prepare Central/Buffer Tube(s) for Unitube/Ribbon Cable Applications.



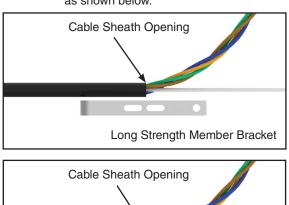


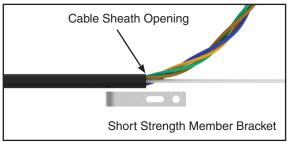
Step #12 If the cable contains aramid yarn, braid roughly 3" (7.2 cm) of the aramid yarn



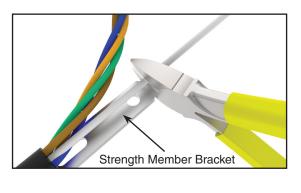
Attaching Standard Buffer Tube Cable to the Strength Member Bracket

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

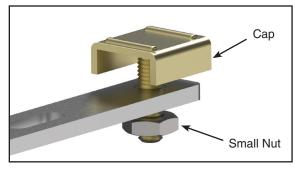




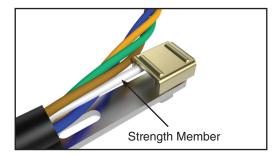
Step #14 Trim the strength members flush with the end of the strength member bracket(s).



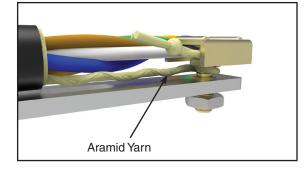
Step #15 Install the cap on the strength member bracket and loosely secure it to the bracket with the small nut provided.



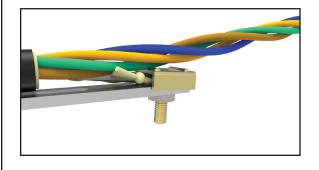
Step #16 Position strength members under the cap of the strength member bracket(s).



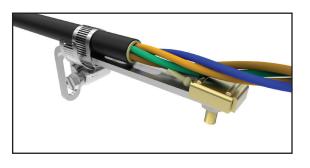
Step #17 If the cable contains aramid yarn, wrap the braided aramid yarn around the stud of the cap as shown



Step #18 Tighten the nut of the cap to secure the strength members under the cap.

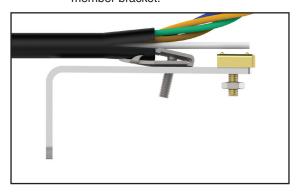


Step #19 Secure the cable to the strength member bracket(s) with a hose clamp.



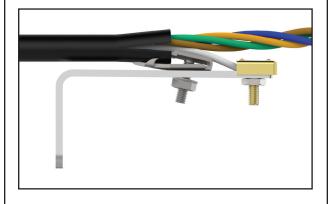
Attaching Shielded Cable to the Strength Member Bracket

Step #20 Install the shield connector on the cable and insert the stud of the shield connector through the slot of the strength member bracket.

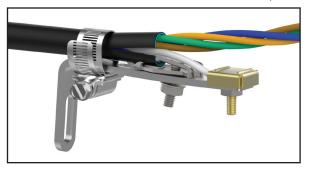


Follow standard company practices when applying shield connector to cable.

Step #21 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.

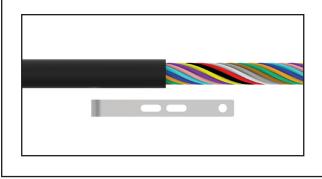


Step #22 Secure the shielded cable to the strength member bracket with the hose clamp.



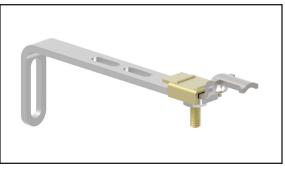
Securing Cable with Large Central Strength Member to the Strength Member Bracket

Step #23 Align the sheath opening with the end of the slot of the strength member bracket as shown below.

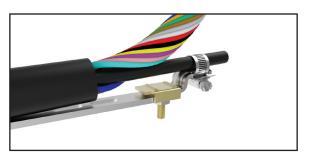


Step #24 Assemble the adapter to the bracket as shown below.

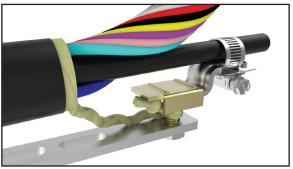


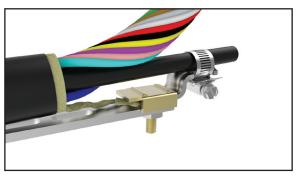


Step #25 Trim the large strength member 1/2" (12.7 mm) past the end of the adapter. Secure the cable strength member to the adapter with the small hose clamp provided.



Step #26 If the cable contains aramid yarn, braid roughly 3" (76 mm) of it and wrap it around the stud of the cap as shown below. Tighten the nut of the cap to secure the the yarn under the cap.



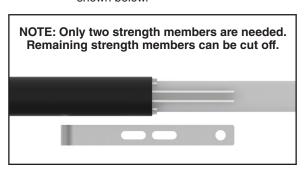


Step #27 Secure the cable to the strength member bracket with the hose clamp provided.

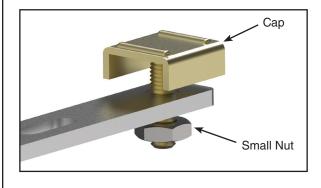


Attaching Unitube Cable to the Strength Member Bracket

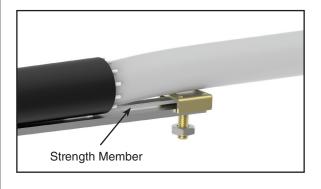
Step #28 Align the sheath opening of each cable with the end of the slot of the strength member bracket and trim the strength members of each cable flush with the end of the bracket as shown below.



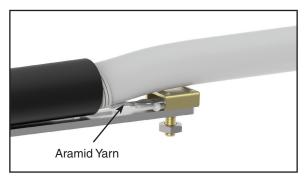
Step #29 Install the cap on the strength member bracket and loosely secure it to the bracket with the small nut provided.



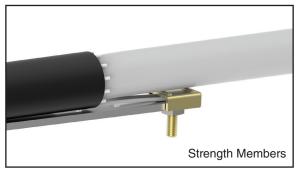
Step #30 Position the strength members under the cap of the strength member bracket.

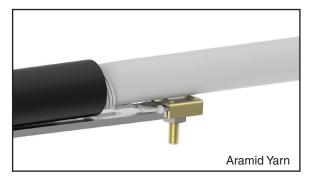


Step #31 If the cable contains aramid yarn, wrap the yarn around the stud of the cap as shown below.



Step #32 Tighten the nut of the cap to secure the strength members or the aramid yarn under the cap.



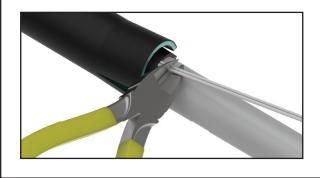


Step #33 Secure the cable to the strength member bracket with the hose clamp.

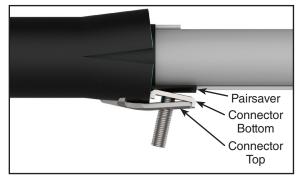


Securing Armored Cable with Strength Members Embedded in the Cable Sheath to Strength Member Bracket

Step #34 Cut off one set of strength members as close to the cable sheath opening as possible.



Step #35 Install the shield connector onto the cable as shown below. NOTE: PLP recommends using a 3M 4460-D/FO Fiber Optic Shield Connector (Cat. #: 80803989) for shielded cable applications.

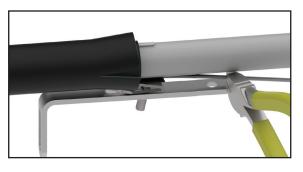


Follow your standard company practices when applying the shield connector to the cable.

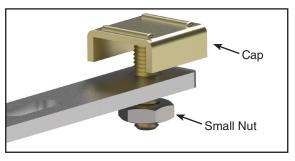
Step #36 Insert the stud of the shield connector through the slot closest to the end of the strength member bracket and push the stud to the back of the slot (away from the end of the bracket).



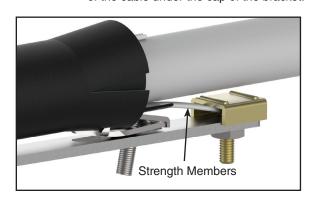
Step #37 Trim the other set of strength members flush with the end of the strength member bracket.



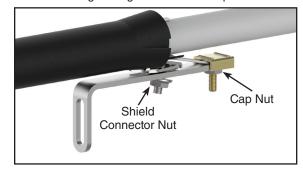
Step #38 Install the cap on the strength member bracket and loosely secure it to the bracket with the small nut provided.



Step #39 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.



Step #40 Secure the shield connector to the strength member bracket with the nut provided with the shield connector and secure the cable strength members by tightening the nut of the cap.

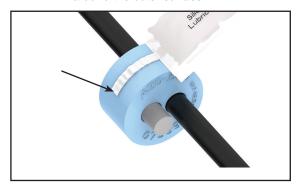


Step #41 Secure the shielded cable to the strength member bracket with the hose clamp.



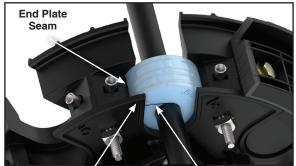
Cable Installation & Routing

Step #42 Lubricate the outer surface of the grommets. Spread lubricant evenly around the outer surface.



Step #43 Position the grommets in the end plate slots.





DO NOT align grommet slit with end plate seam.

Grommet Slit

Step #44 Position the slot of the strength member bracket leg over the stud and pull back the cable.



Step 45 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 inserted.



Step #46 Install the cable caps and secure with hex bolts.



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

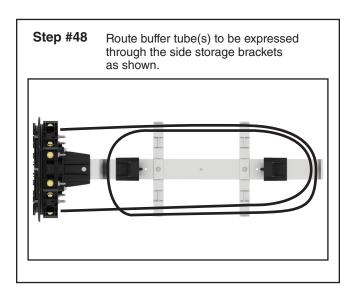
When using a can wrench or nut driver, the installed torque is 35 to 40 in-lbs.

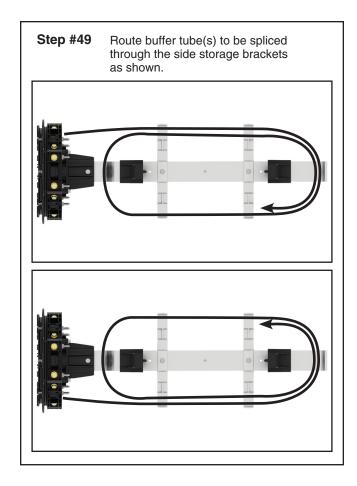
NOTE: TIGHTEN ALL UNUSED CABLE CAPS.

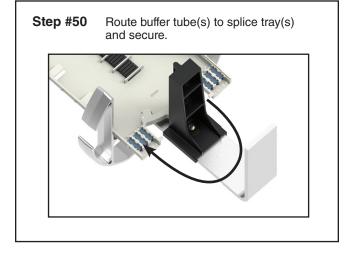
IMPORTANT: TIGHTEN DOWN THE STRENGTH MEMBER BRACKET AFTER THE CAPS ARE TIGHTENED.

Step #47 Complete end plate assembly.

Buffer Tube Applications

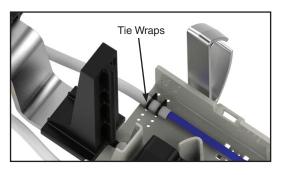




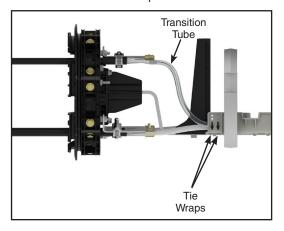


Unitube Applications

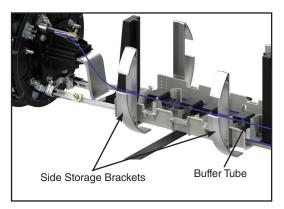
Step #51 Route and secure the central tube of unitube cables to the slack basket.



Step #52 Use the transition tube(s) to route the ribbons from upper cable port(s). Secure the transition tube(s) to the slack basket with the tie wraps.

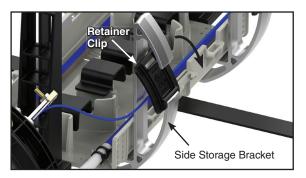


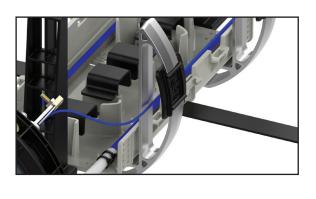
Step #53 Route the buffer tube(s) from loose tube/buffer tube cable(s) through the side storage brackets.



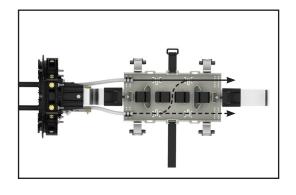
Step #54 Secure the buffer tube(s) in the side storage brackets with the retainer clips. To install the retainer clip, position the bottom slot of the retainer clip onto

the bottom portion of the side storage bracket. Tilt the retainer clip forward until the top portion of the side storage bracket snaps into the top slot of the retainer clip.

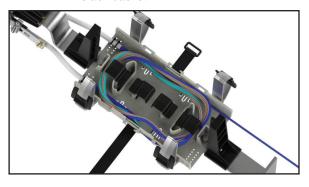




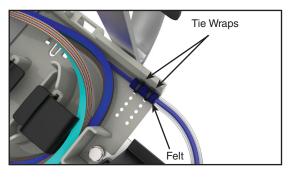
Step #55 Route the feeder ribbons within the slack basket.



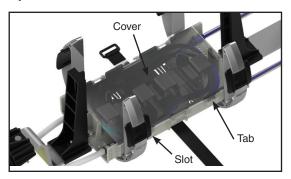
Step #56 Store expressed ribbons in the slack basket.



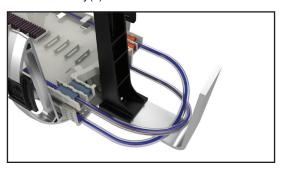
Step #57 Insert ribbons to be routed to splice tray(s) into transport tubes. Wrap a piece of felt around the ends of the transport tubes and secure the tubes to the slack basket with tie wraps.



Step #58 Install the cover on the slack basket.

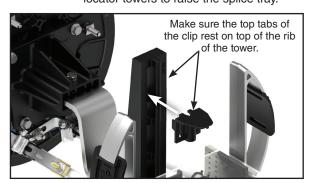


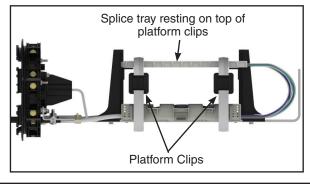
Step #59 Route the transport tube(s) to the splice tray(s) and secure.



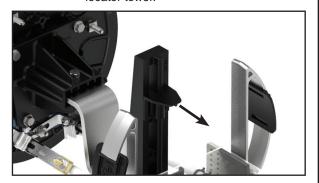
Platform Clip Installation (Optional)

Step #60 To improve splice tray accessibility, install platform clips onto the tray locator towers to raise the splice tray.





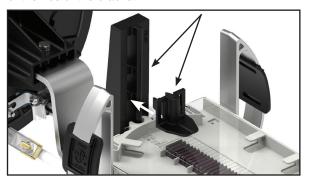
Step #61 To remove the clip, squeeze the tabs and then pull the clip straight out from the tray locator tower.



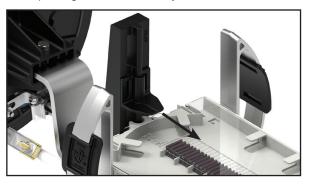
PLP Tip:

Platform clips can be installed upside down on the tray locator towers to minimize shifting of the splice trays in case the strap comes undone.

Make sure the top tabs of the clip rest on top of one of the ribs of the bracket.

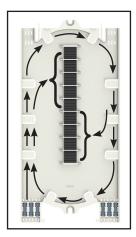


To remove the clip, squeeze the tabs and then pull the clip straight out from the tray locator tower.



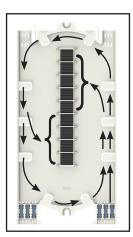
Splice Tray Management

Step #62a Routing incoming fibers in the single fusion splice tray.



Top: Splices 1-20 Bottom: Splices 21-36

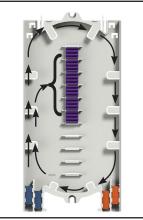
Step #62b Routing outgoing fibers in the single fusion splice tray.



Top: Splices 1-20 Bottom: Splices 21-36

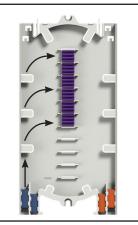
Step #63a Routing incoming fibers in mass fusion splice tray.

Slack Storage on Splice Tray



Splices 1-18

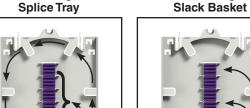
Slack Storage in Slack Basket



Splices 1-18

Step #63b Routing outgoing fibers in mass fusion splice tray.

Slack Storage on Splice Tray



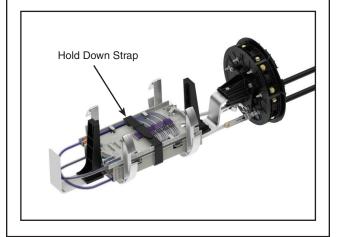
Splices 1-18

Slack Storage in

Splices 1-18

Step #64 Splice incoming ribbons to outgoing ribbons per your accepted company practices.

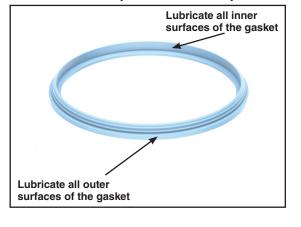
Step #65 Secure the splice tray(s) with the hold down strap.



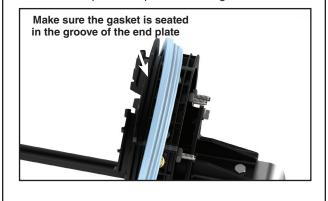
Dome Preparation & Installation

Step #66 Re-tighten all cable cap bolts (Step #46) to assure that the cable caps are fully seated. When using a can wrench or nut driver, the installed torque is 35 to 40 in-lbs.

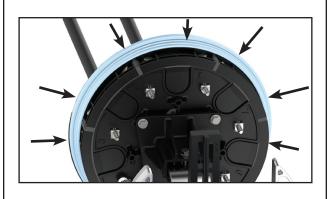
Step #67 Lubricate all surfaces around gasket with silicone lubricant to assure easy assembly and closure re-entry.



Step #68 Slide the end plate gasket onto the end plate and press into the groove.



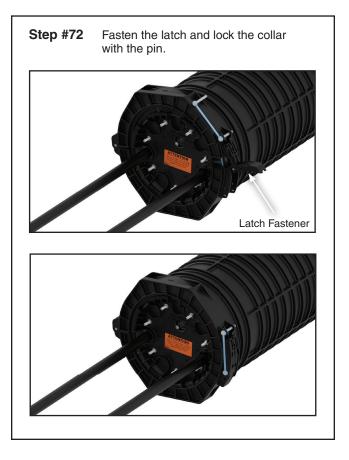
Step #69 Work the gasket into the groove



Step #70 Position the dome over the end plate.

Step #71 Install the dome collar.

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



Flash Test Procedure

Step #73 Remove the cap from the air valve of the end plate.



Step #75 Spray all the sealing surfaces of the dome end plate with a soap/water solution to determine if the end plate has been assembled properly.



Step #74 Pressurize closure up to a max of 10 psi.





Step #76 Release the pressure in the closure using the bump on the top of the air valve cap.

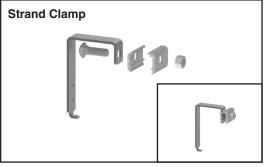


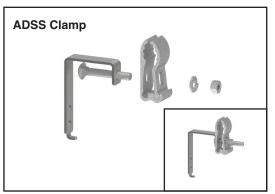


Aerial Mounting Options

Step #77a 9.5" Dome Strand Mount Aerial Offset Bracket Kit (PLP Cat. #: 8004037) and 9.5" Dome ADSS Mount Aerial Offset Bracket Kit (PLP Cat. #: 8004038).

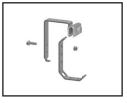
Assemble each bug nut or ADSS clamp to each top aerial offset bracket as shown below.





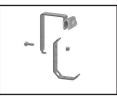
Step #77b For Taller Spacing.

Align the top aerial offset bracket with the bottom aerial offset bracket in either Position 1 or Position 2 as shown below and secure with the bolts and keps nuts provided.





Position 1 - Strand Clamp Shown

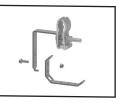




Position 2 - Strand Clamp Shown

Step #77c For Shorter Spacing.

Align the top aerial offset bracket with the bottom aerial offset bracket in either Position 1 or Position 2 as shown below and secure with the bolts and keps nuts provided.





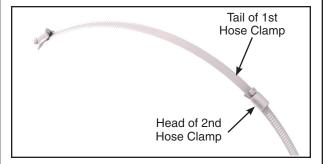
Position 1 - ADSS Clamp Shown



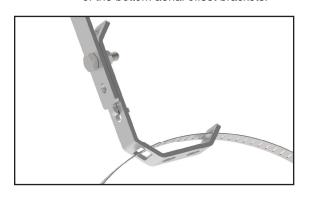


Position 2 - ADSS Clamp Shown

Step #78 Secure the tail of one hose clamp to the head of the other hose clamp.



Step #79 Insert hose clamp through slots in each of the bottom aerial offset brackets.



Step #80 Attach a second hose clamp to each hose clamp with the mounting bracket on it and tighten each pair of hose clamps around the dome in the banding slots.



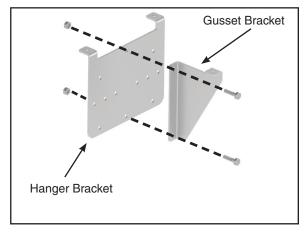
Step #81 Bracket installed on dome closure.



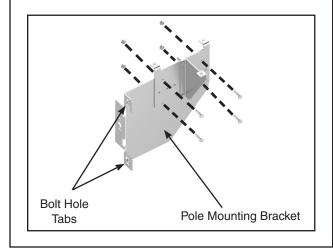
Pole/Wall Mounting Option

Step #82 COYOTE® 9.5" Dome Pole/Wall Mount Bracket (PLP Cat. #: 8003942)

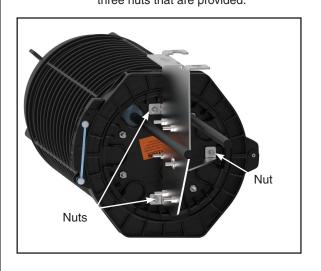
Secure the gusset bracket to the hanger bracket with the bolts and nuts provided as shown below.



Step #83 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.

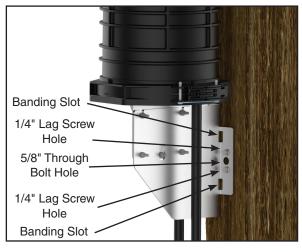


Step #84 Install the pole/wall mount bracket assembly on to the grounding studs of the end plate of the closure and secure it to the end plate with the three nuts that are provided.



Step #85 Attach the dome pole mounting plate to a pole or a wall with either 5/8" through bolts, 1/4" lag screws, or banding.

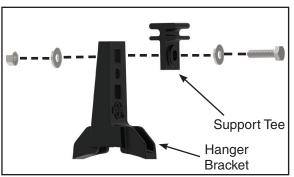




Manhole Support Bracket Option

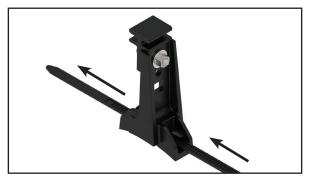
Step #86 COYOTE® 9.5" Dome Manhole Support Bracket (PLP Cat. #: 8004003)

Attach a support tee to each hanger bracket using two washers, a bolt, and a nut, as shown below.





Step #87 Slide a tie wrap through each hanger bracket as shown below.



Step #88 Secure the hanger brackets to the dome with the tie wraps. Make sure the hanger brackets seat within the strap channels of the dome.

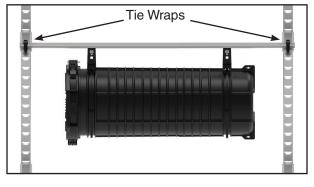
Strap Channels

Step #89 Slide the tees of the hanger brackets within the slot of the manhole support bracket.





PLP Tip: The manhole support bar can then be mounted to step brackets with large stainless steel hose clamps or plastic tie wraps (Not included).





SAFETY CONSIDERATIONS

This application procedure is not intended to supersede any company construction or safety standards. This procedure is offered only to illustrate safe application for the individual.

FAILURE TO FOLLOW THESE PROCEDURES MAY RESULT IN PERSONAL INJURY OR DEATH.

Do not modify this product under any circumstances.

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

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

For proper performance and personal safety, be sure to select the proper size $PREFORMED^{m}$ product before application.

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



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