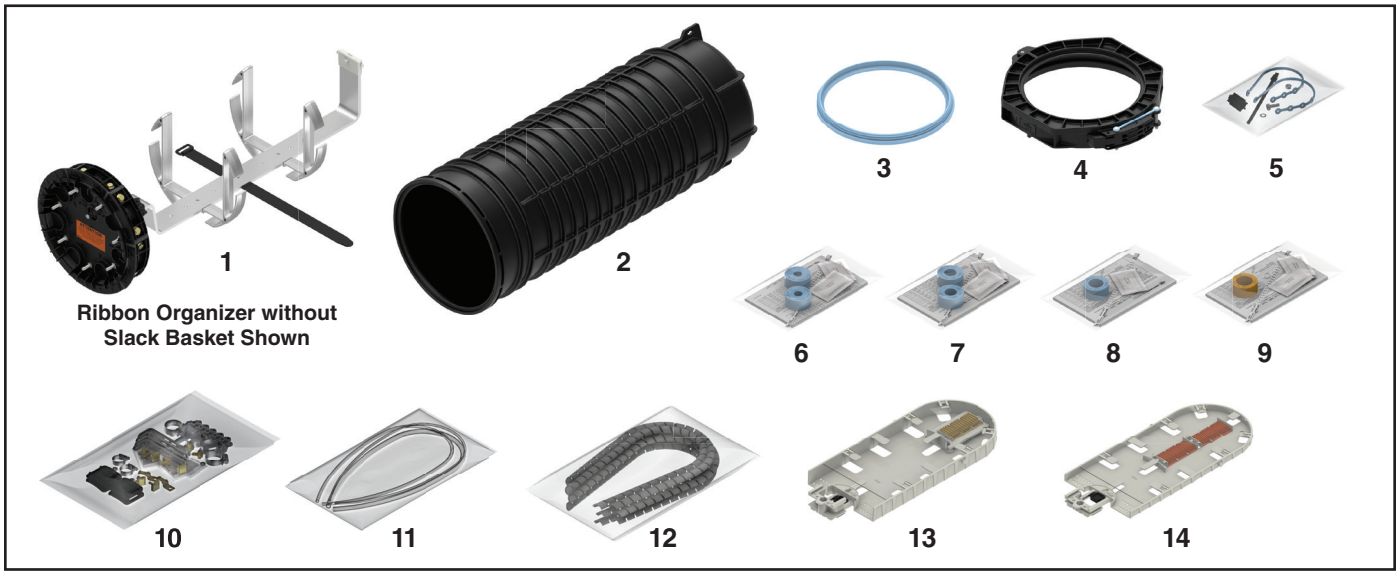
COYOTE® Dome Closure 9.5" x 28" for High-Density Splice Applications

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



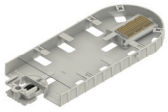
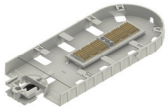
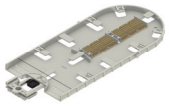
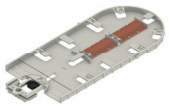
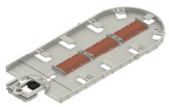
NOMENCLATURE

1. End Plate with HD Organizer (1)
2. Dome Cover (1)
3. Dome Gasket (1)
4. Dome Collar (1)
5. HD Closure Small Parts Bag (1)
6. 1 Hole Grommet Kit (0 or 2) (.60" – .85" Cable Range)
7. 1 Hole Grommet Kit (0 or 2) (.85" – 1.00" Cable Range)
8. 1 Hole Grommet Kit (0 or 2) (1.00" – 1.25" Cable Range)
9. 1 Hole Grommet Kit (0 or 2) (1.25" – 1.38" Cable Range)
10. Small Parts Bag (1)
11. Transition Tube Kit - Ribbon Organizers ONLY (1)
12. Spiral Wrap Tube Kit Ribbon Organizers ONLY (1)
13. Ribbon Splice Tray - Deep (Order Separately)
14. Single Fusion Splice Tray - Thin (Order Separately)

TOOLS REQUIRED

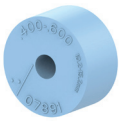
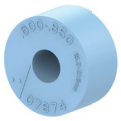
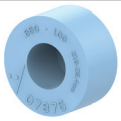
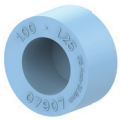
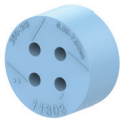
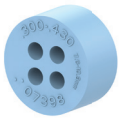
- 3/8" & 7/16" Can Wrench or Socket
- Side Cutters
- Snips
- Fiber Optical Cable Opening Tools
- 5/16" Nut Driver
- Utility Knife

COYOTE Splice Tray Capacity Chart for COYOTE Dome Closure 9.5" x 28" High Density Splice Applications

PLP Catalog Number	Description	Image	Splice Type	Max Trays per Closure	Closure Max Splice Capacity
80813121	Long Deep Profile Ribbon Flip Tray (288 ct)		Mass Fusion/ Ribbon	With Deep Slack Basket - 3 With Standard Slack Basket - 4 Without Slack Basket - 6	With Deep Slack Basket - 864 With Standard Slack Basket - 1,152 Without Slack Basket - 1,728
80813779	Long Deep Profile Ribbon Flip Tray (576 ct)		Mass Fusion/ Ribbon	With Deep Slack Basket - 3 With Standard Slack Basket - 4 Without Slack Basket - 6	With Deep Slack Basket - 1,728 With Standard Slack Basket - 2,304 Without Slack Basket - 3,456
80813122[1]	Long Thin Profile Ribbon Flip Tray (288 ct)		Mass Fusion/ Ribbon	With Deep Slack Basket - 6 With Standard Slack Basket - 8 Without Slack Basket - 12	With Deep Slack Basket - 1,728 With Standard Slack Basket - 2,304 Without Slack Basket - 3,456
80813123	Long Thin Profile Single Fusion Flip Tray (72 ct)		Single Fusion (Double Stack)	With Deep Slack Basket - 6 With Standard Slack Basket - 8 Without Slack Basket - 12 With Buffer Tube Organizer - 8	With Deep Slack Basket - 432 With Standard Slack Basket - 576 Without Slack Basket - 864 With Buffer Tube Organizer - 576
80813301	Long Thin Profile Single Fusion Flip Tray (108 ct)		Single Fusion (Double Stack)	With Deep Slack Basket - 6 With Standard Slack Basket - 8 Without Slack Basket - 12 With Buffer Tube Organizer - 8	With Deep Slack Basket - 648 With Standard Slack Basket - 864 Without Slack Basket - 1,296 With Buffer Tube Organizer - 864

[1]The 80813122 thin-profile splice 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.

Closure Kits for COYOTE® Dome Closure 9.5" x 28" for High-Density Splice Applications	
PLP Catalog Number	**Description**
80061406	COYOTE Dome Closure 9.5'' x 28'' without Slack Basket for cables under 1.25'' diameter – Includes (2) 1 Hole Grommets 0.85'' – 1.00'' (21.6 – 25.4 mm) & (2) 1 Hole Grommets 1.00'' – 1.25'' (25.4 – 31.8 mm)
80061407	COYOTE Dome Closure 9.5'' x 28'' with Standard Slack Basket for cables under 1.25'' diameter – Includes (2) 1 Hole Grommets 0.85'' – 1.00'' (21.6 – 25.4 mm), (2) 1 Hole Grommets 1.00'' – 1.25'' (25.4 – 31.8 mm) & (1) Transition Tube Kit
80061594	COYOTE Dome Closure 9.5" x 28" with Deep Slack Basket for cables under 1.25" diameter – Includes (2) 1 Hole Grommets 0.85" – 1.00" (21.6 – 25.4 mm), (2) 1 Hole Grommets 1.00" – 1.25" (25.4 – 31.8 mm) & (1) Transition Tube Kit
80061408	COYOTE Dome Closure 9.5'' x 28'' without Slack Basket for cables over 1.25'' diameter – Includes (2) 1 Hole Grommets 1.00'' – 1.25'' (25.4 – 31.8 mm) & (2) 1 Hole Grommets 1.25'' – 1.38'' (31.8 – 35.0 mm)
80061409	COYOTE Dome Closure 9.5" x 28" with Standard Slack Basket for cables over 1.25" diameter – Includes (2) 1 Hole Grommets 1.00" – 1.25" (25.4 – 31.8 mm), (2) 1 Hole Grommets 1.25" – 1.38" (31.8 – 35.0 mm) & (1) Transition Tube Kit
80061488	COYOTE Dome Closure 9.5" x 28" with Buffer Tube Organizer for cables under 1.25" diameter – 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)
Accessory Kits for COYOTE Dome Closure 9.5" x 28" for High-Density Splice Applications	
80061500	Breakout Kit for Unitube Ribbon Applications
80813770	Standard Slack Basket Kit for up to 432 Expressed Ribbon Applications
80813267	Deep Slack Basket (2.85" Deep) Kit for up to 864 Expressed Ribbon Applications
80807991	100ft. Roll of .25" ID Tubing
80812618	Pack of (4) 18" Long Pieces of .25" ID Tubing
80807571	6ft. Long Piece of .375" O.D. Spiral Wrap Tubing
80805066-6	6ft. Long Piece of .625'' O.D. Spiral Wrap Tubing
80812881	100ft. Roll of .625'' O.D. Spiral Wrap Tubing
800015235	COYOTE 9.5" Dome End Plate Kit for cables under 1.25"
80813717	End Plate Gasket for 9.5" Domes
80808528-1	Latching Collar for 9.5" Domes
800015236	Strength Member Bracket Kit – Includes 3 Long L-Brackets and 3 Hose Clamps
80808651	Strength Member Bracket Kit – Includes 4 Long L-Brackets
80809205	Strength Member Bracket Kit – Includes 2 Short L-Brackets
80813124	Splice Tray Locking Pin Kit – Includes (5) Tray Locking Pins
80813125	Splice Tray Tether Kit – Includes (6) Splice Tray Tether Straps
80811036	6-Port Drop Cable Retention Bobbin Kit
COYEPFIX1	End Plate Fixture Assembly for 6.5" and 9.5" Domes
80061201	Bonding Plate for 9.5" Dome End Plate
Mounting Brackets for COYOTE Dome Closure 9.5" x 28" for High-Density Splice Applications	
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
8004003	Manhole Support

COYOTE® Grommet Chart for COYOTE Dome Closure 9.5" x 28" for High-Density Splice Applications				
PLP Catalog Number	**Cable Range Inches (mm)**	**Description**	**Image**	**Slitting Location**
8003691	.40" - .60" (10.2 - 15.2 mm)	1-entry grommet		
8003692	.60" - .85" (15.2 - 21.6 mm)	1-entry grommet		
8003693	.85" - 1.00" (21.6 - 25.4 mm)	1-entry grommet		
8003694	1.00" - 1.25" (25.4 - 31.8 mm)	1-entry grommet		
***8004145**	1.25" - 1.38" (31.8 - 35.1 mm)	1-entry grommet		
8003663	.42" - .60" (10.7 - 15.2 mm)	2-entry grommet		
8004065	.250" - .312" (6.4 - 7.9 mm)	4-entry grommet		
8003664	.30" - .43" (7.6 - 10.9 mm)	4-entry grommet		
8003677	.125" - .25" (3.2 - 6.4 mm) and flat drop	8-entry grommet		N/A

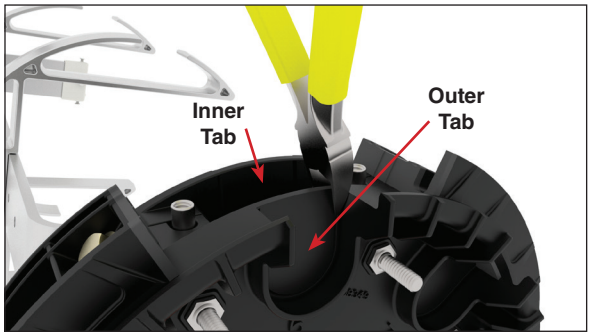
*8004145 Grommet can only be used in ports 3 and 6.

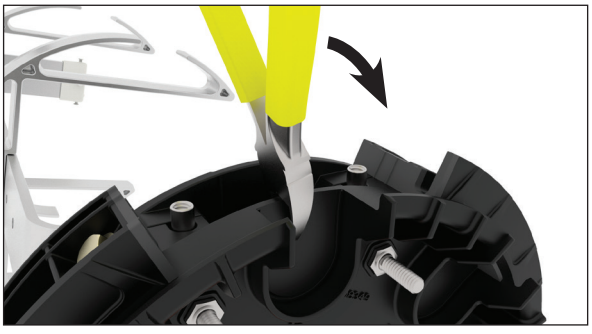
END PLATE PREPARATION

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

NOTE: For expressed buffer tube ribbon cables, use cable ports 3 and 6. For expressed buffer tube single fiber cables, use cable ports 4 and 5. Use all other cable ports for branch or drop cables if required.

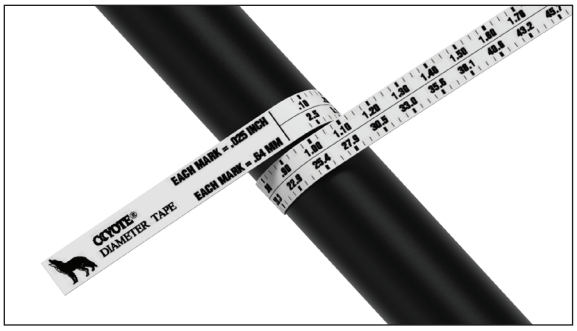
Step #2 Remove the end plate caps from the selected cable ports. Break out the outer and inner tabs of each cable port by snipping the grooves on both sides of each tab with side cutters. Once the grooves have been snipped, remove each tab by pulling the tab outwards from the end plate.



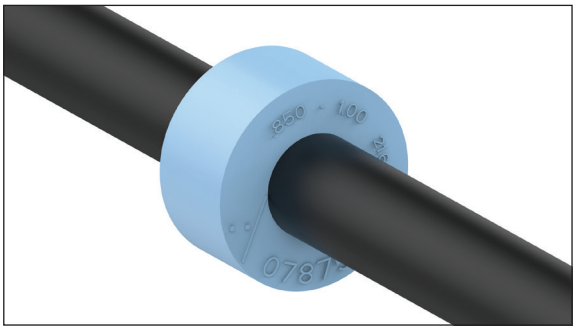


GENERAL CABLE PREPARATION

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



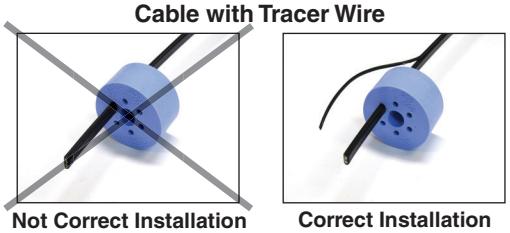
Step #4 If using cut cable, insert the cable through the grommet. If your application requires express/balloon/ring cut cables, **see Step 6 for the grommet slitting procedure.**



Step #5 **Installing Figure 8 Style Cables and Cables with Tracer Wires**

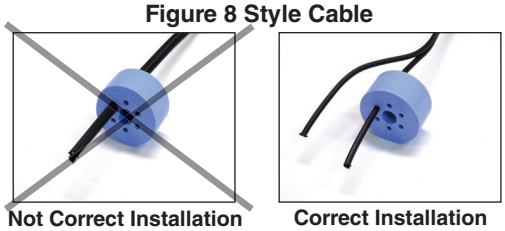
Remove tracer wire or ground wire from the portion of the cable that will be positioned in the grommet and insert cable into the grommet. Remove any burrs left on the cable caused by separating the tracer wire from the sheath.

Cable with Tracer Wire



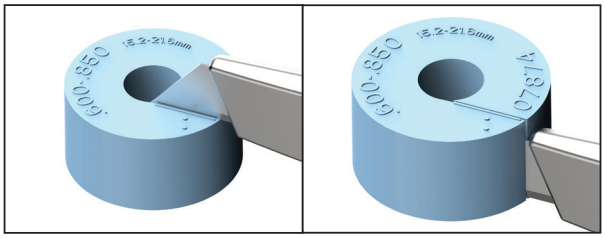
Not Correct Installation | Correct Installation

Figure 8 Style Cable

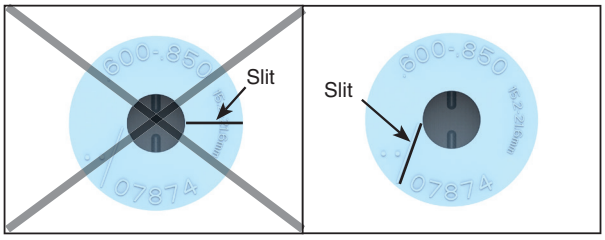


Not Correct Installation | Correct Installation

Step #6 **Grommet Slitting** – If slitting is required, lay the grommet on a stable flat surface. Position the utility knife with the cutting edge against the top surface and cut through the grommet. **Consult the grommet chart on page 3 for slitting locations of all grommets.**

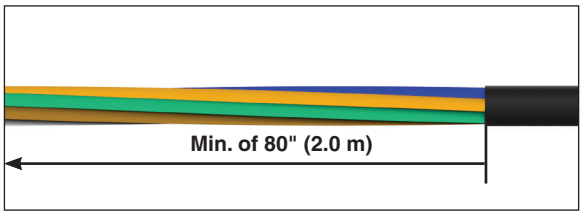


PLP TIP: Use a pen to sketch slitting lines on top surface of grommet prior to cutting.



Not Correct Slitting Angle | Correct Slitting Angle

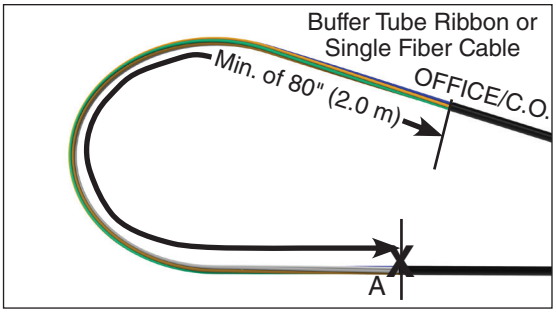
Step #7 Prepare buffer tube ribbon or single fiber cable(s) and unitube ribbon cable(s) for cut applications.



Minimum Sheath Opening for Cut Cable Applications	
80"	2.0 m

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

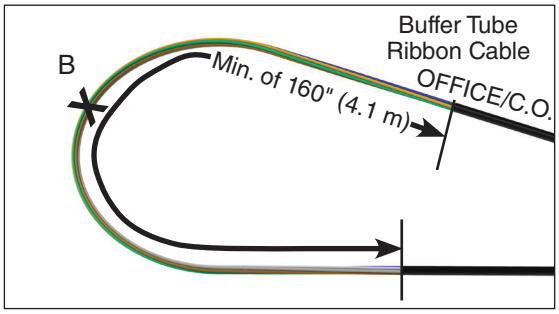
Step #8a Prepare buffer tube ribbon or single fiber cable(s) for mid sheath applications (Express/Balloon/Ring Cut).

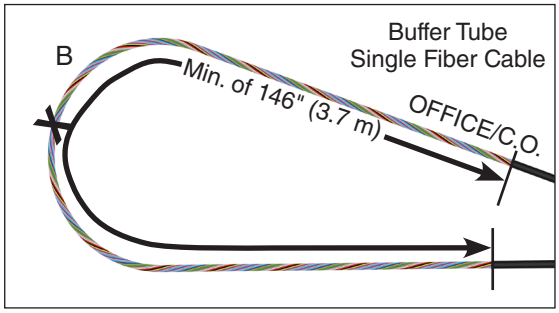


For Applications Where Fiber is Dedicated to the Splice Point		
Configuration	Cut Location	Sheath Opening
Buffer Tube Ribbon or Single Fusion Expressed (Mid-Sheath)	A	Min of 80" (2.0 m)

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

Step #8b Prepare buffer tube ribbon or single fiber cable(s) for mid sheath applications (Express/Balloon/Ring Cut).



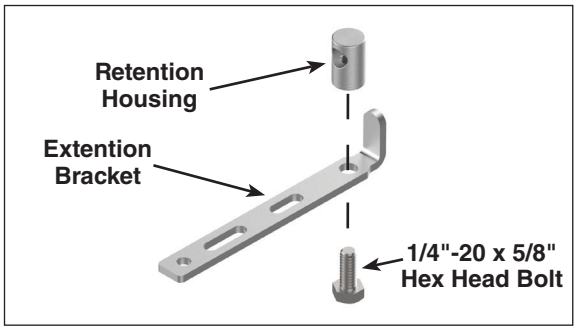


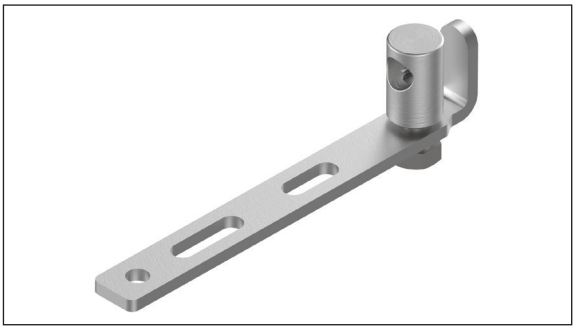
For Applications Where Fiber is NOT Dedicated to the Splice Point		
Configuration	Cut Location	Sheath Opening
Buffer Tube Ribbon Expressed (Mid-Sheath)	B	Min of 160" (4.1 m)
Buffer Tube Single Fiber Expressed (Mid-Sheath)	B	Min of 146" (3.7 m)

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

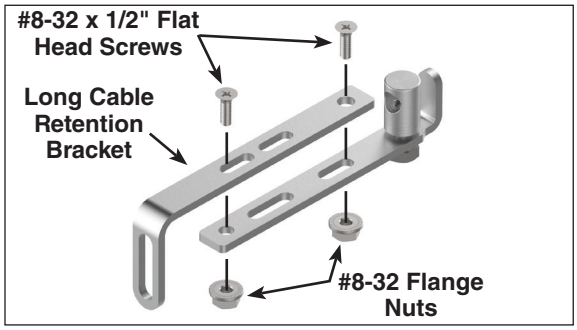
SECURING CABLE WITH CENTRAL STRENGTH MEMBER TO STRENGTH MEMBER BRACKET

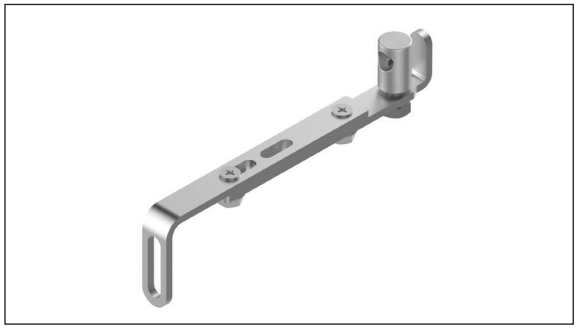
Step #9 Attach the strength member retention housing loosely to the extention bracket with the 1/4"-20 x 5/8" hex head bolt.



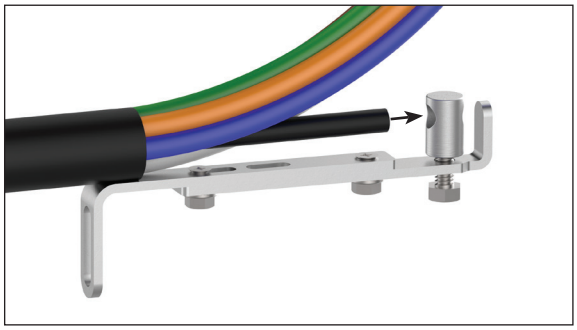


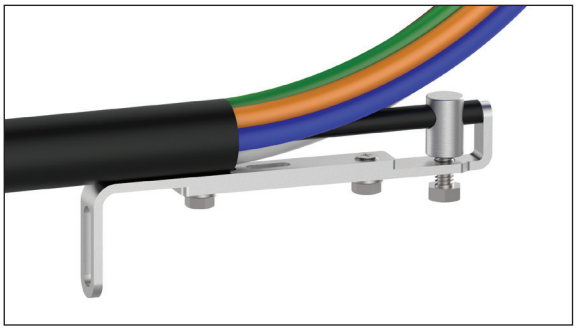
Step #10 Attach the long cable retention bracket to the extention bracket with the #8-32 x 1/2" flat head screws and #8-32 flange nuts as shown below.



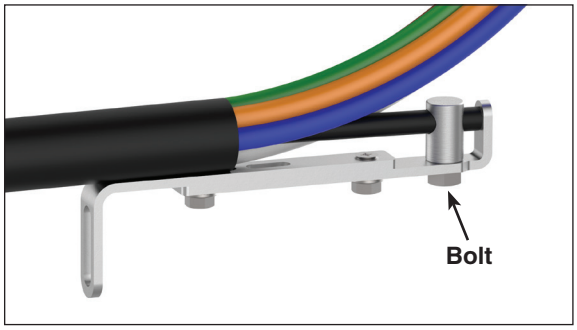


Step #11 Insert the strength member of the cable through the retention housing until it is resting against the leg of the extention bracket.





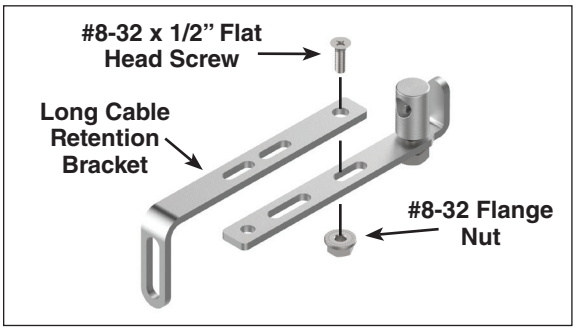
Step #12 Secure the strength member in the retention housing by tightening the bolt.

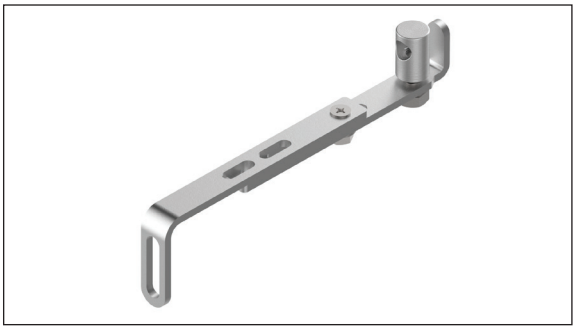


Step #13 Secure the cable to the bracket assembly with the hose clamp.

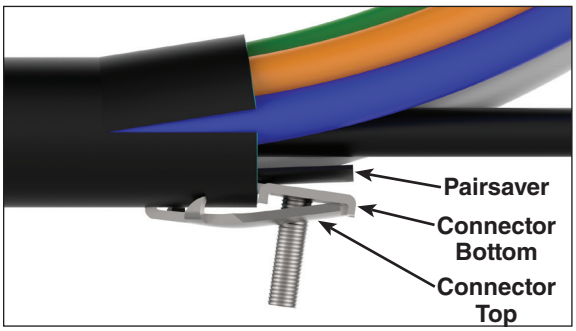
SECURING ARMORED CABLE WITH CENTRAL STRENGTH MEMBER TO STRENGTH MEMBER BRACKET

Step #14 Attach the long cable retention bracket (not included) to the extention bracket with the #8-32 x 1/2" flat head screw and #8-32 flange nut as shown below.



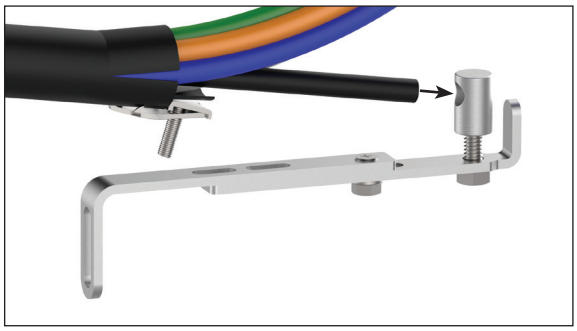


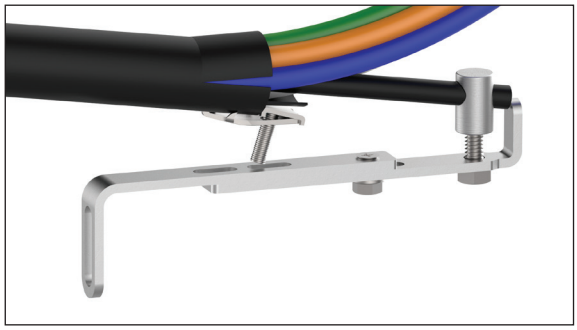
Step #15 Install the shield connector onto the cable as shown below. **NOTE: PLP recommends using a 3M 4460-D/FO Fiber Optic Shield Connector (Cat. #: 80803989) for shielded cable applications.**



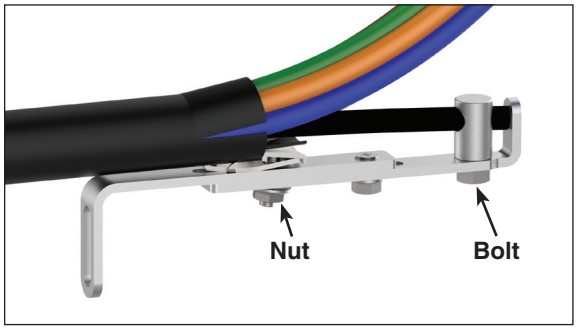
Follow your standard company practices when applying the shield connector to the cable.

Step #16 Insert the strength member of the cable through the retention housing until it is resting against the leg of the extention bracket.





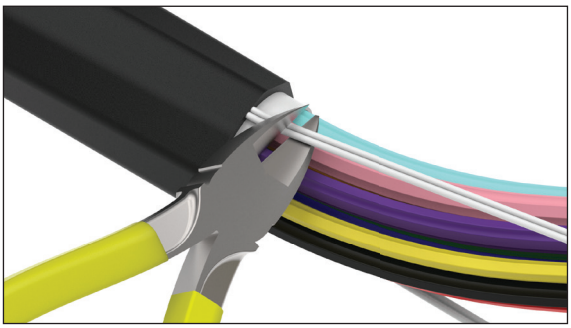
Step #17 Secure the strength member in the retention housing by tightening the bolt. Secure the shield connector to the bracket assembly with the nut provided with the shield connector.



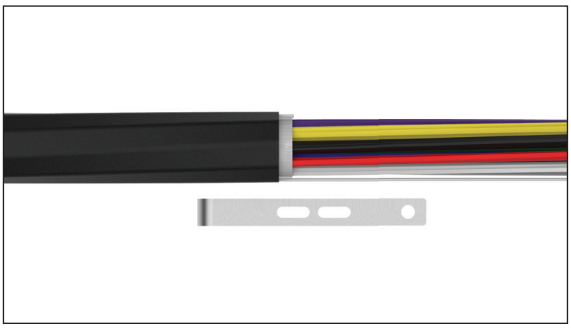
Step #18 Secure the cable to the bracket assembly with the hose clamp.

SECURING THE CABLE WITH STRENGTH MEMBERS EMBEDDED IN THE CABLE SHEATH TO THE STRENGTH MEMBER BRACKET

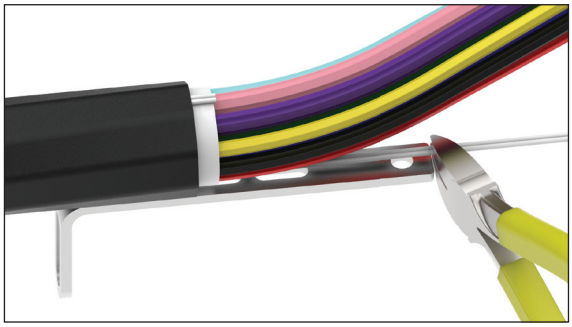
Step #19 Cut off one set of strength members as close to the cable sheath opening as possible.



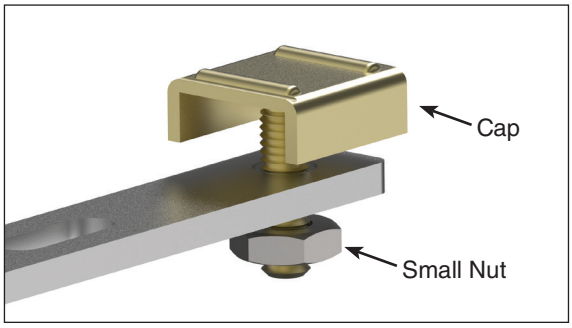
Step #20 Align the sheath opening with the end of the slot of the strength member bracket as shown below.



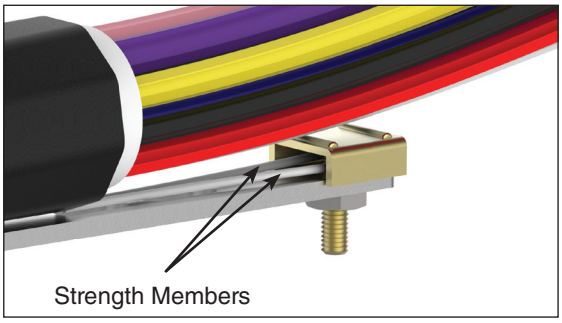
Step #21 Trim the other set of strength members flush with the end of the strength member bracket.



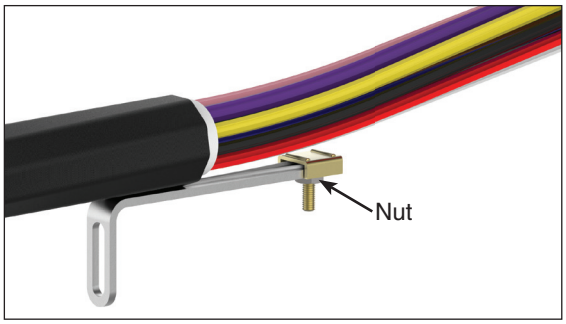
Step #22 Install the cap on the strength member bracket and loosely secure it to the bracket with the small nut provided.



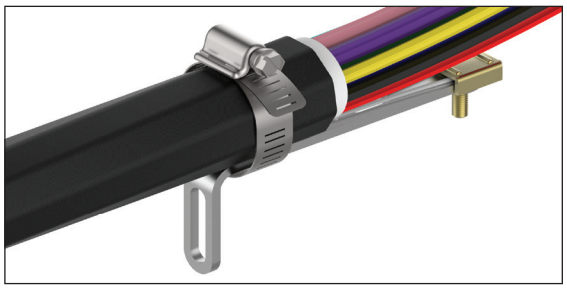
Step #23 Position the strength members under the cap of the strength member bracket.



Step #24 Tighten the nut of the cap to secure the strength members under the cap.

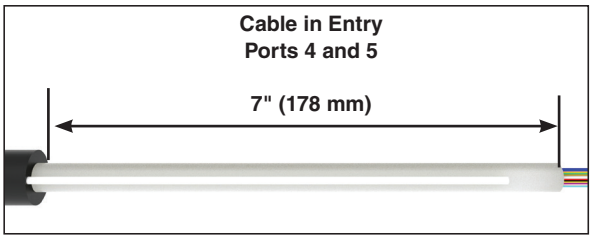


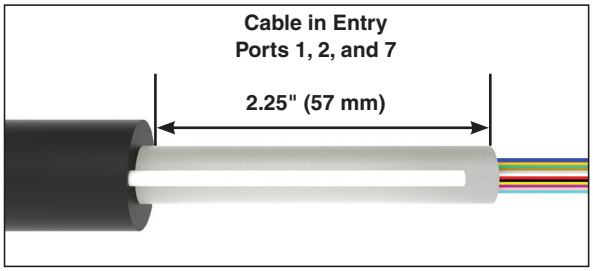
Step #25 Secure the cable to the strength member bracket with the hose clamp.



ATTACHING UNITUBE CABLE TO THE STRENGTH MEMBER BRACKET

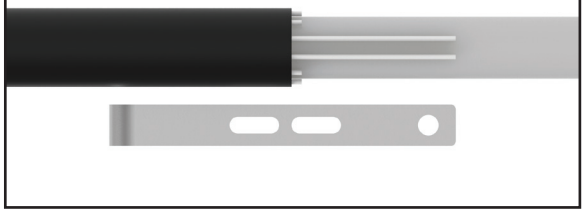
Step #26 Prepare central buffer tube(s) for unitube/ ribbon cable applications.



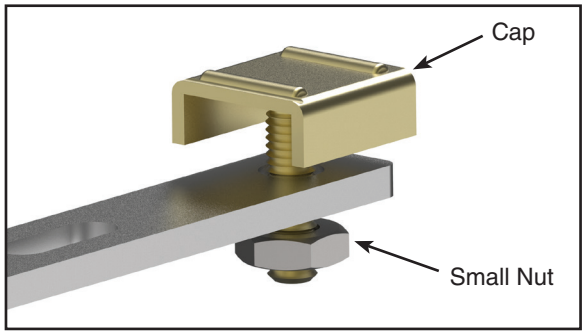


Step #27 Align the sheath opening of each cable with the end of the slot of the strength member bracket and trim the strength members of each cable flush with the end of the bracket as shown below.

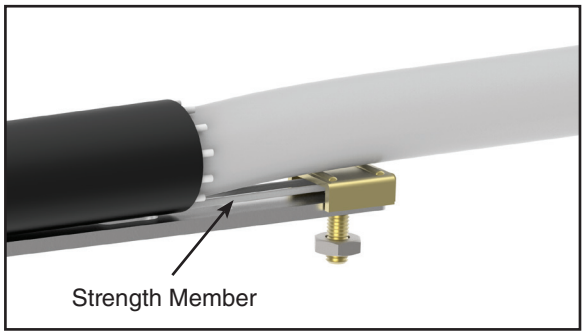
NOTE: Only two strength members are needed. Remaining strength members can be cut off.



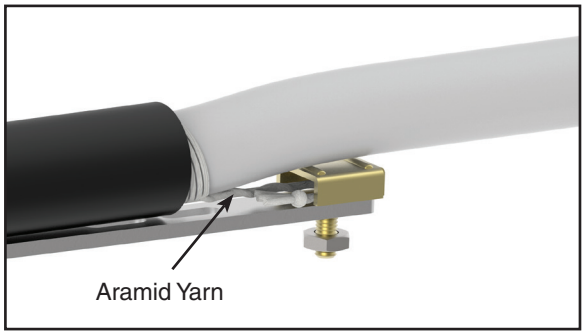
Step #28 Install the cap on the strength member bracket and loosely secure it to the bracket with the small nut provided.



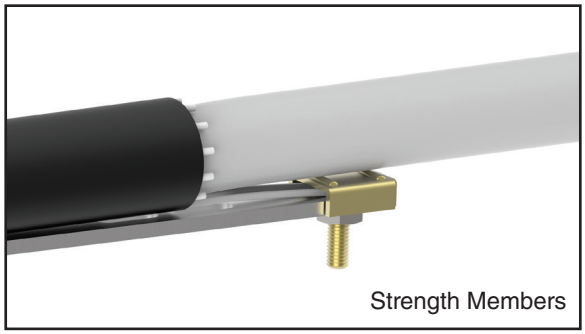
Step #29 Position the strength members under the cap of the strength member bracket.



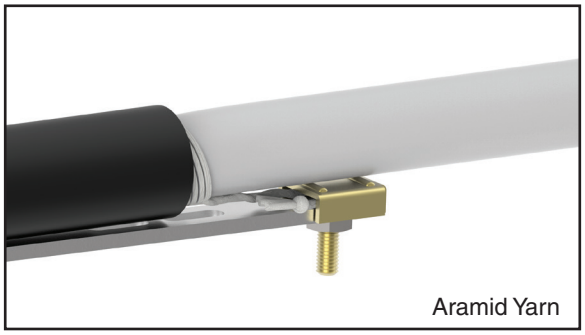
Step #30 If the cable contains aramid yarn, wrap the yarn around the stud of the cap as shown below.



Step #31 Tighten the nut of the cap to secure the strength members or the aramid yarn under the cap.

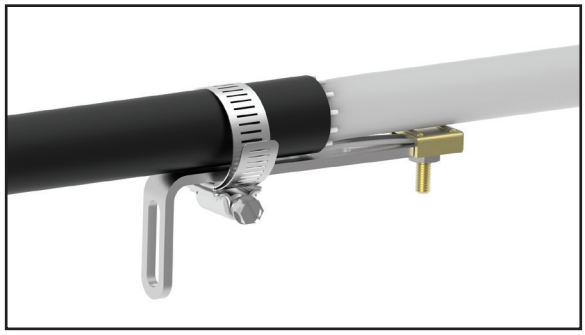


Strength Members



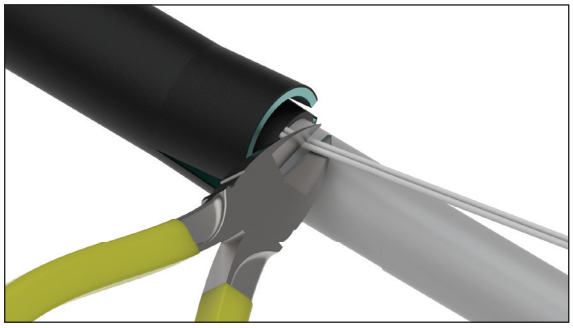
Aramid Yarn

Step #32 Secure the cable to the strength member bracket with the hose clamp.

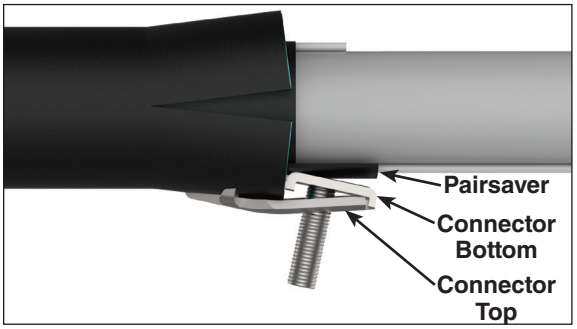


SECURING ARMORED CABLE WITH STRENGTH MEMBERS EMBEDDED IN THE CABLE SHEATH TO STRENGTH MEMBER BRACKET

Step #33 Cut off one set of strength members as close to the cable sheath opening as possible.



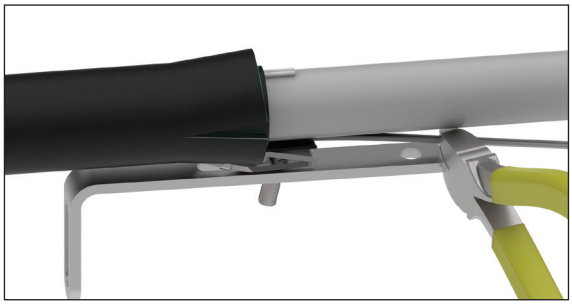
Step #34 Install the shield connector onto the cable as shown below. **NOTE: PLP recommends using a 3M 4460-D/FO Fiber Optic Shield Connector (Cat. #: 80803989) for shielded cable applications.**



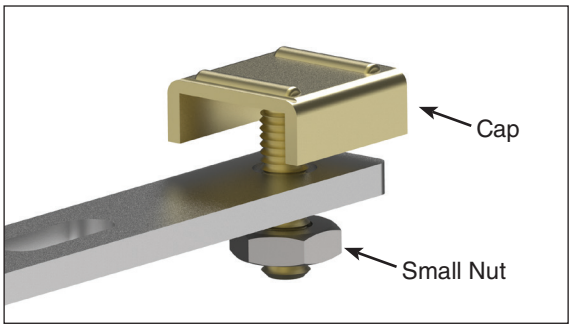
Follow your standard company practices when applying the shield connector to the cable.

Step #35 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).

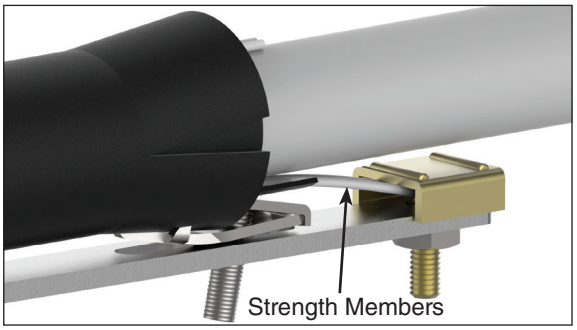
Step #36 Trim the other set of strength members flush with the end of the strength member bracket.



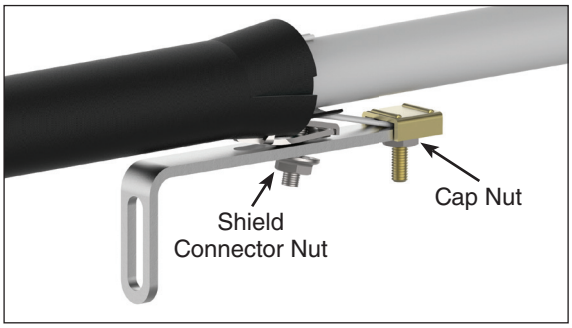
Step #37 Remove the cable from the strength member bracket and install the cap on the bracket. Loosely secure the cap to the bracket with the small nut provided.



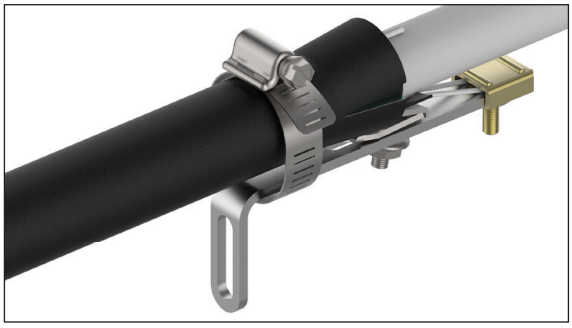
Step #38 Re-insert the stud of the shield connector through the slot of the strength member bracket and capture the strength members of the cable under the cap of the bracket.



Step #39 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.

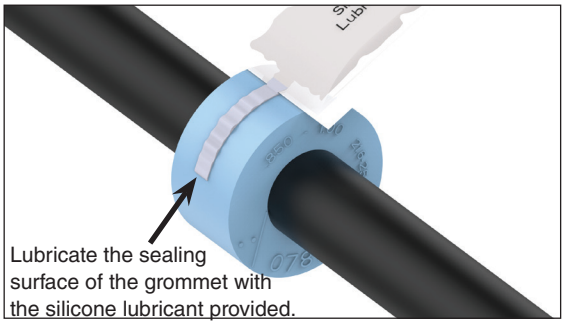


Step #40 Secure the shielded cable to the strength member bracket with the hose clamp.

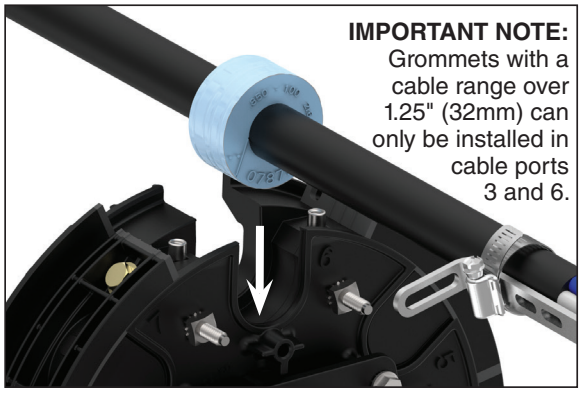


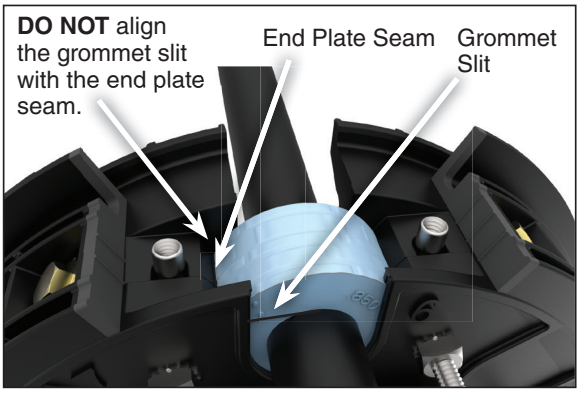
CABLE INSTALLATION AND ROUTING

Step #41 Lubricate the sealing surface of the grommet with the silicone lubricant that is provided.

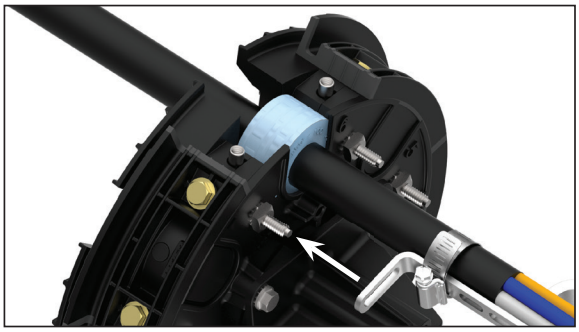


Step #42 Position the grommets in the end plate slots.

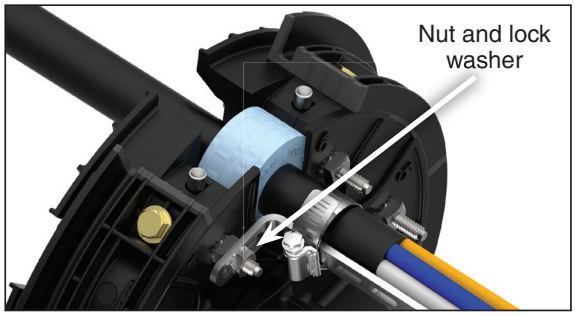




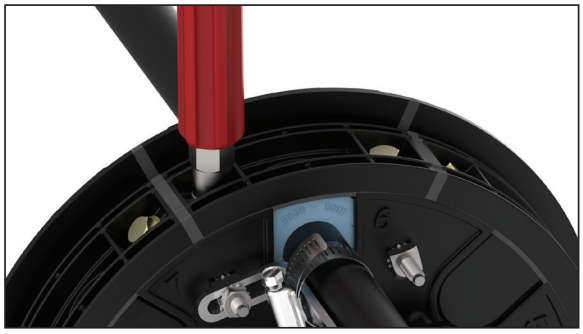
Step #43 Position the slot of the strength member bracket leg over the stud and pull back the cable.



Step #44 Install the strength member bracket on the stud. Install the lock washer and nut against the bracket, but do not tighten fully, so that the bracket can slide as the grommet is compressed by the cable cap.



Step #45 Install the end caps and secure with hex bolts.



NOTE: Tighten bolts by hand evenly until end 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.

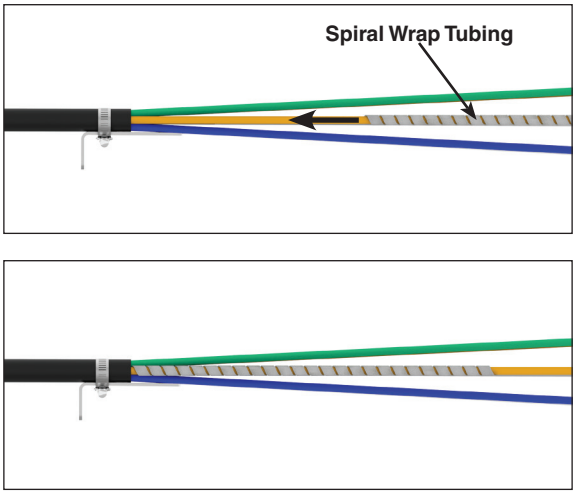
NOTE: TIGHTEN ALL UNUSED END CAPS.

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

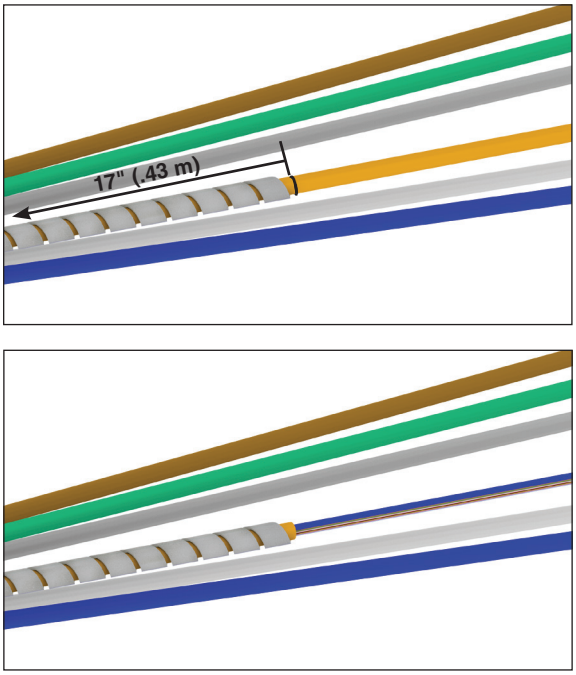
Step #46 Complete end plate assembly.

INSTALLATION OF SPIRAL WRAP TUBING

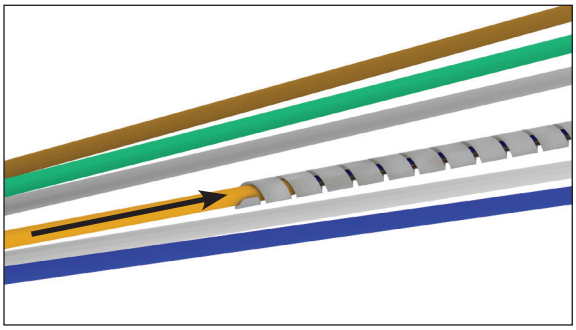
Step #47 Install a piece of spiral wrap tubing onto each buffer tube and slide it to the sheath opening of the cable.

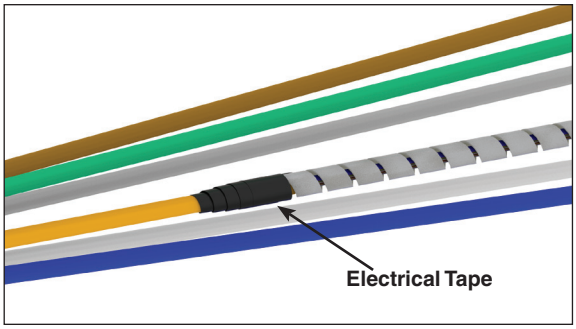


Step #48 Mark each buffer tube 17" (.43 m) away from the sheath opening and remove each buffer tube beyond the mark.



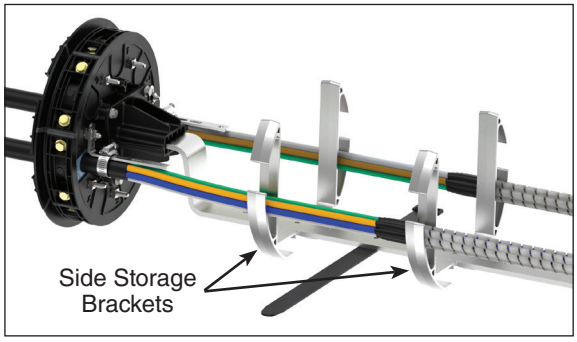
Step #49 Slide each piece of spiral wrap tubing over the ribbon fibers of the buffer tubes. Secure the spiral wrap tubing to each buffer tube with a piece of electrical tape as shown below.



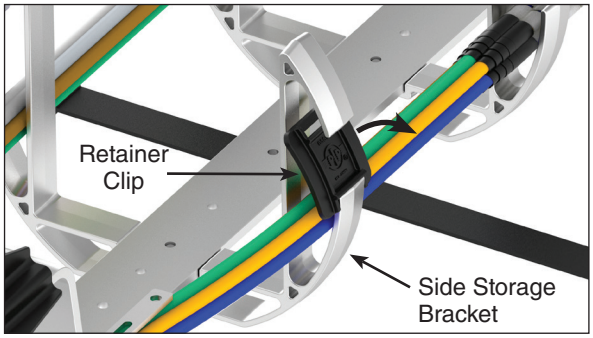


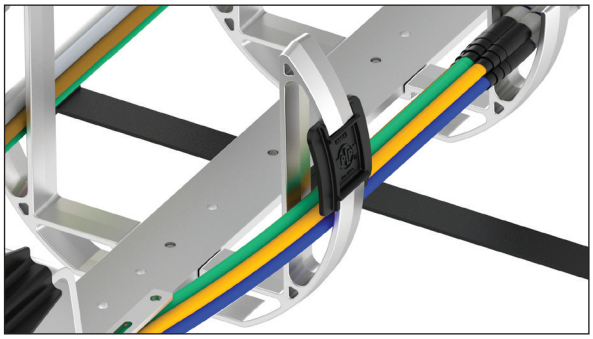
ROUTING BUFFER TUBE RIBBON CABLE

Step #50 Route the buffer tubes through the side storage brackets.



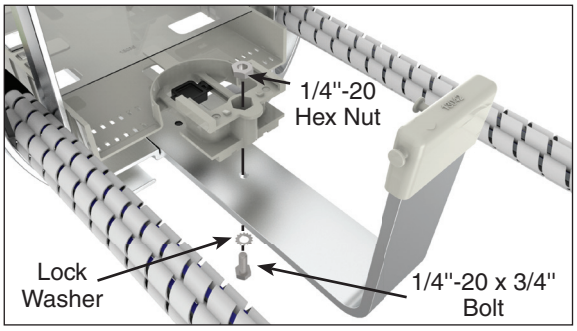
Step #51 Secure the buffer tube(s) in the side storage brackets with the retainer clips. To install the retainer clip, position the bottom slot of the retainer clip onto the bottom portion of the side storage bracket. Tilt the retainer clip forward until the top portion of the side storage bracket snaps into the top slot of the retainer clip.





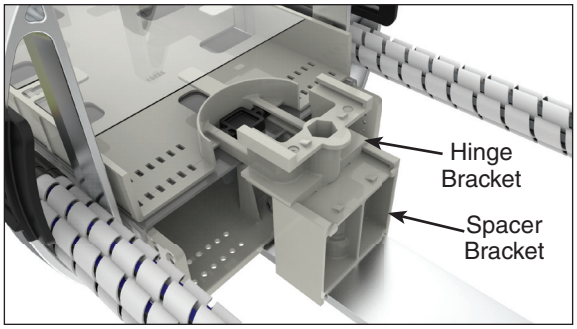
INSTALLING THE SPLICE TRAY TO THE ORGANIZER WITHOUT A SLACK BASKET

Step #52 Install the hinge bracket to the organizer bar with the 1/4"-20 x 3/4" bolt, lock washer, and 1/4"-20 hex nut that are provided in the HD closure small parts bag.

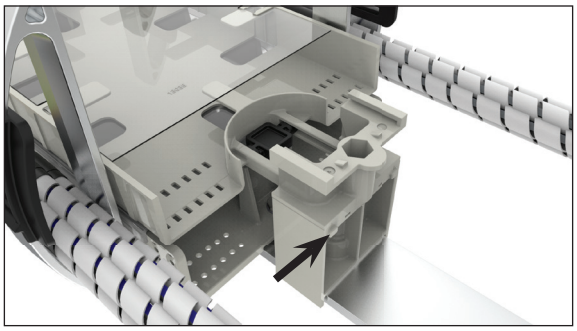


INSTALLING THE SPLICE TRAY TO THE ORGANIZER WITH A SLACK BASKET

Step #53 Slide the hinge bracket of the splice tray into the slots of the spacer bracket until the hinge bracket is fully engaged into the spacer bracket.



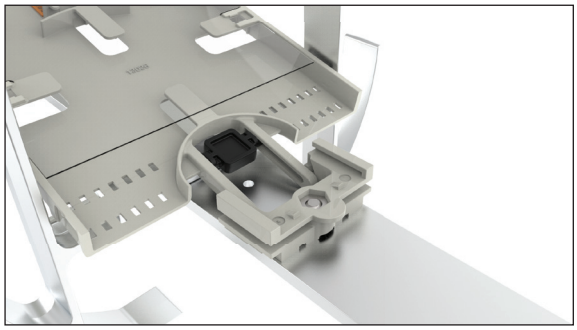
NOTE: The hinge bracket is fully engaged when the back of the hinge bracket is even with the back of the spacer bracket.



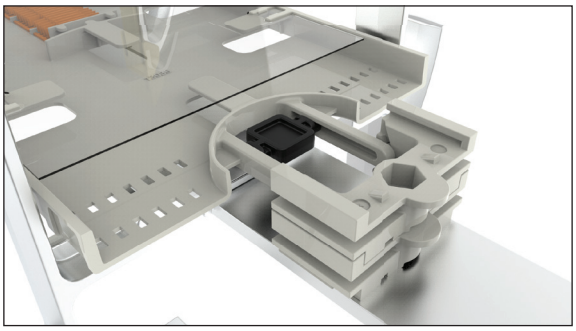
INSTALLING THE SPLICE TRAY TO A BUFFER TUBE ORGANIZER

Step #54 **IMPORTANT NOTE:** For buffer tube organizers, do NOT install a splice tray in the hinge bracket mounted to the organizer bar. This bracket is used as a spacer.

INCORRECT INSTALLATION

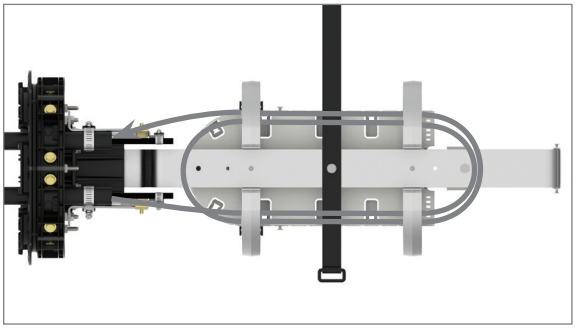


CORRECT INSTALLATION

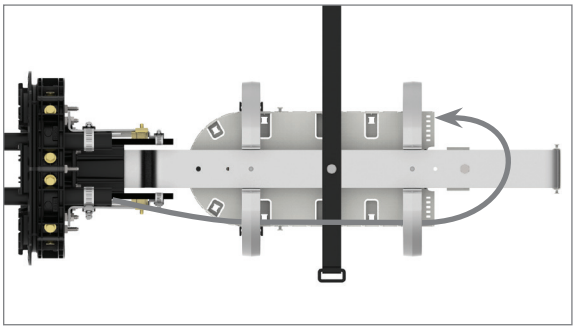


ROUTING BUFFER TUBE SINGLE FIBER CABLE

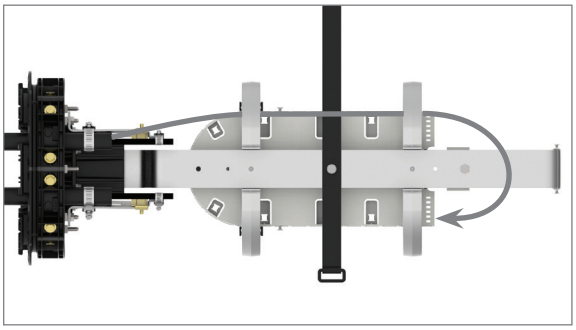
Step #55 Route the expressed buffer tubes in the bottom storage brackets.



Step #56 Route the incoming buffer tube(s) with fibers to be spliced through the storage brackets and up to the splice tray(s). If the buffer tube(s) are routed in the side storage brackets, see Step #51 on how to install the retainer clips.

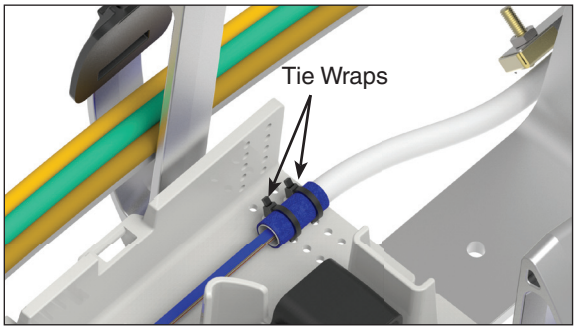


Step #57 Route the outgoing buffer tube(s) with fibers to be spliced through the storage brackets and up to the splice tray(s). If the buffer tube(s) are routed in the side storage brackets, see Step #51 on how to install the retainer clips.

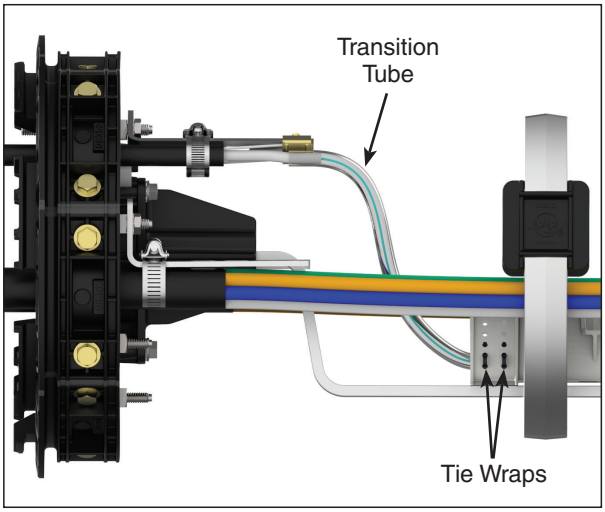


ROUTING UNITUBE RIBBON CABLE(S)

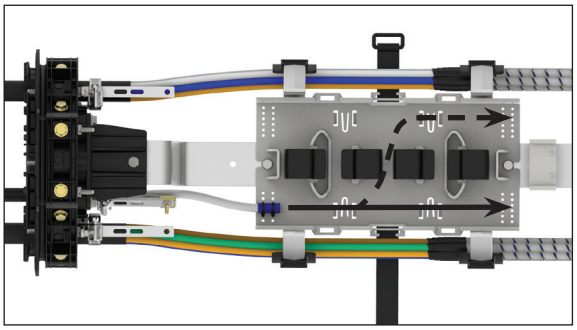
Step #58 Route and secure the central tube of unitube cables to slack basket.



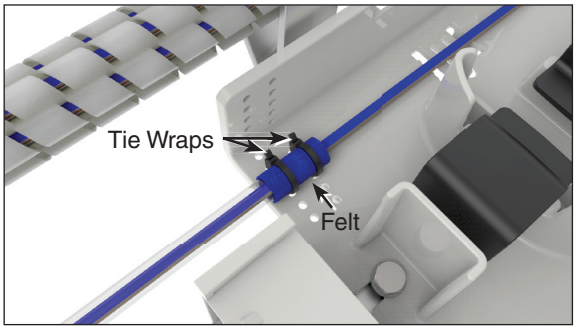
Step #59 Use transition tube(s) to route ribbons from unitube cables installed in the upper cable port(s) to the slack basket. Secure the transition tube(s) to the slack basket with tie wraps.



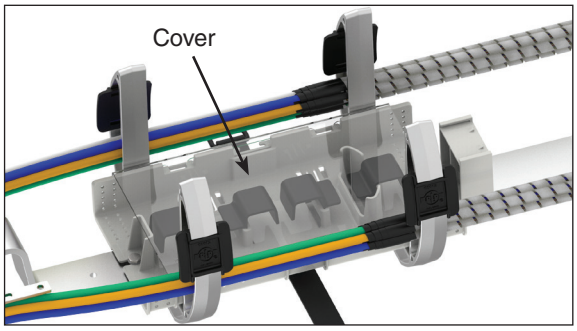
Step #60 Route feeder ribbons within the slack basket.



Step #61 Insert ribbons to be routed to the splice tray(s) into the 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.

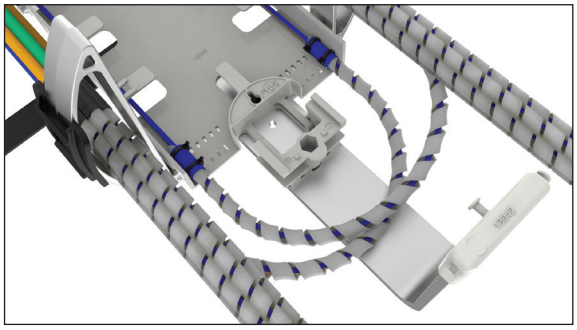


Step #62 Install the slack basket cover on the slack basket by snapping the tabs of the cover into the slots of the slack basket.



SECURING SPIRAL WRAP TUBING OR BUFFER TUBES TO THE SPLICE TRAYS

Step #63 Wrap the ends of each spiral wrap tube or buffer tube with a piece of felt and secure the tubes to the splice trays with tie wraps.

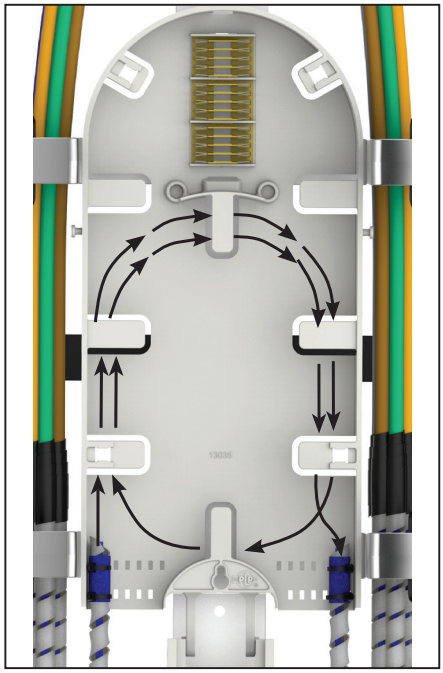


IMPORTANT NOTE FOR RIBBON APPLICATIONS: If fibers are being expressed, route the spiral wrap tubes that contain the expressed fibers to the bottom splice tray. Use the remaining splice trays for storing spliced fibers.

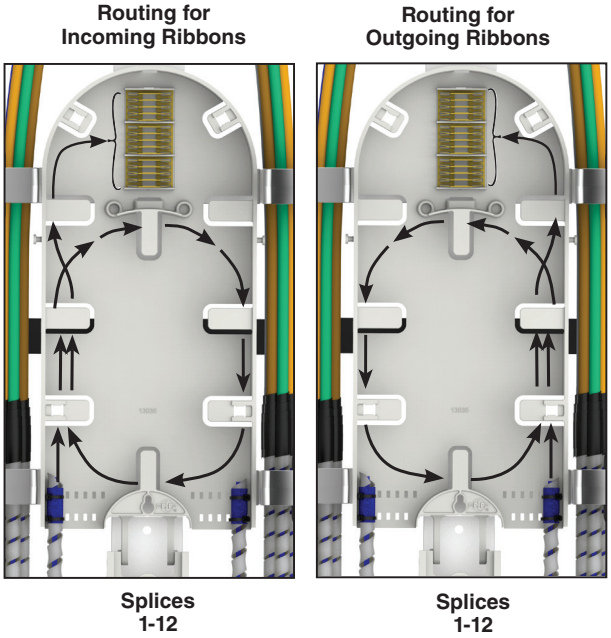
SPLICE TRAY MANAGEMENT

Deep Profile Ribbon Splice Trays (288ct)

Step #64 Route expressed fibers in the bottom splice tray as shown below.

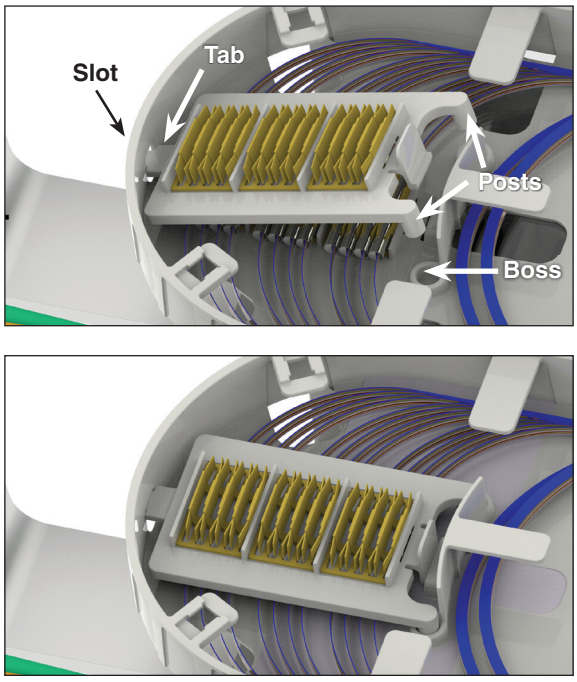


Step #65 Route the first 12 incoming and outgoing ribbons in each splice tray as shown below.

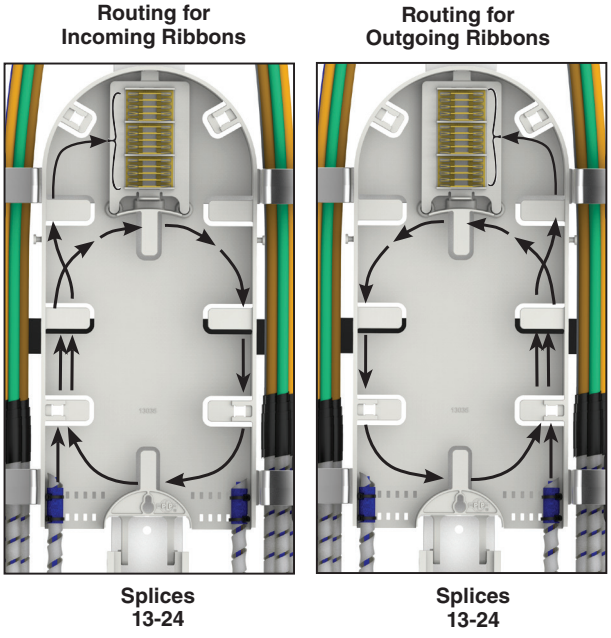


Step #66 Splice the first 12 incoming ribbons to first 12 outgoing ribbons per your accepted company practices.

Step #67 Install the platform into the splice tray by inserting the tab of the platform into the slot of the splice tray and then pushing the posts of the platform into the bosses of the splice tray.



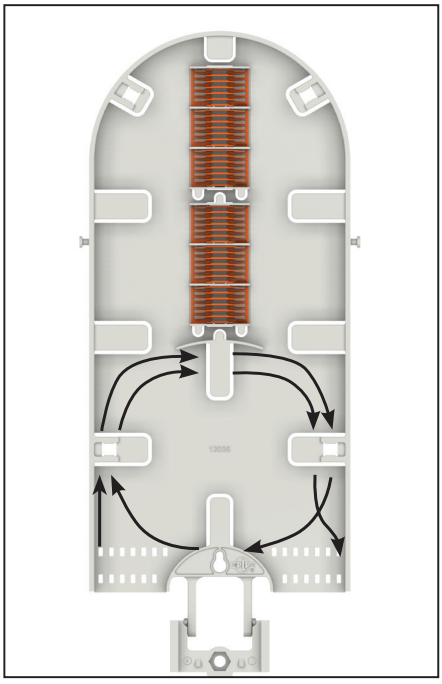
Step #68 Route the last 12 incoming and outgoing ribbons in each splice tray as shown below.



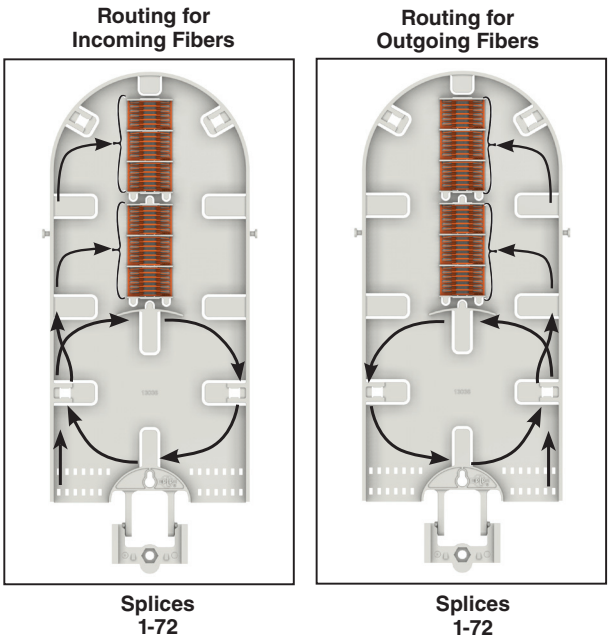
Step #69 Splice the last 12 incoming ribbons to last 12 outgoing ribbons per your accepted company practices.

Thin Profile Single Fusion Splice Trays (72ct)

Step #70 Route expressed fibers in the splice tray as shown below.



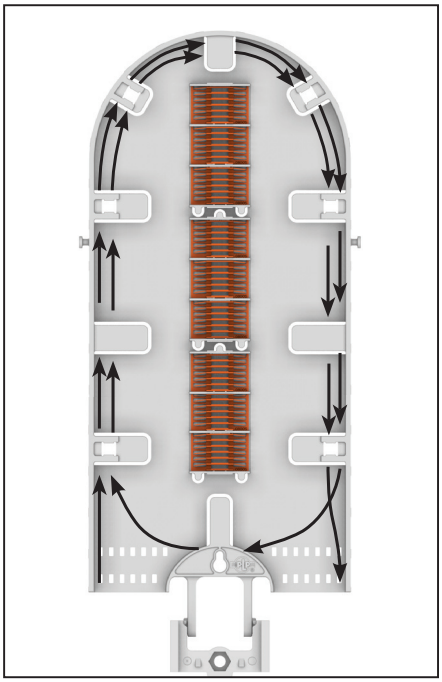
Step #71 Route the incoming and outgoing fibers in each splice tray as shown below.



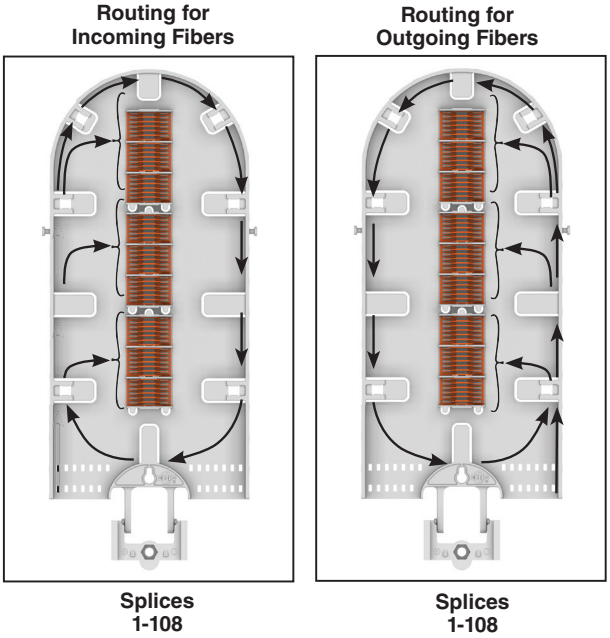
Step #72 Splice the incoming fibers to outgoing fibers per your accepted company practices.

Thin Profile Single Fusion Splice Trays (108ct)

Step #73 Route expressed fibers in the splice tray as shown below.



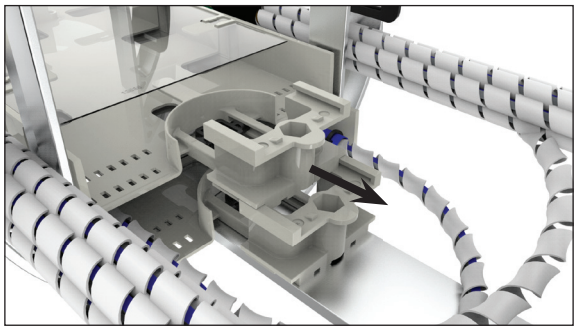
Step #74 Route the incoming and outgoing fibers in each splice tray as shown below.



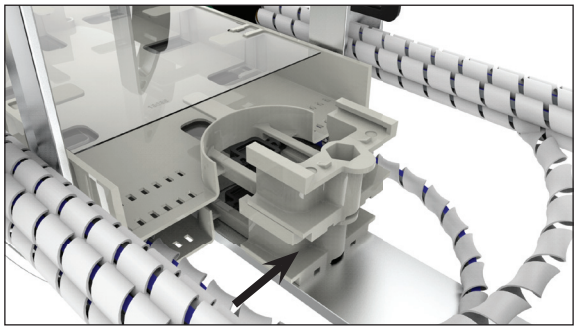
Step #75 Splice the incoming fibers to outgoing fibers per your accepted company practices.

INSTALLATION OF THE ADDITIONAL SPLICE TRAYS

Step #76 Slide the hinge bracket of the splice tray into the slots of the hinge bracket of the previous splice tray until it is fully engaged.

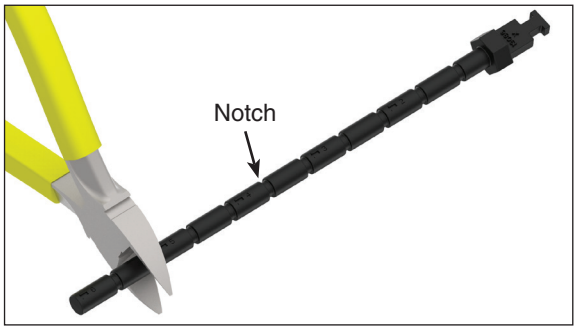


NOTE: The hinge bracket is fully engaged if it can slide past the hinge bracket below it.



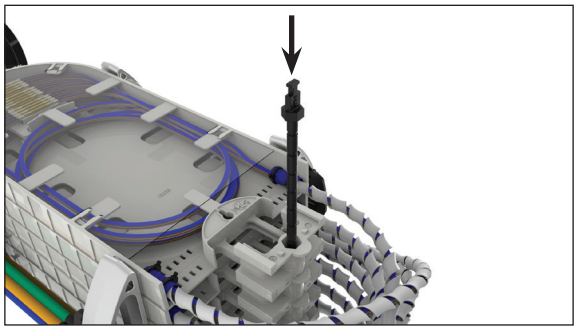
SECURING SPLICE TRAYS

Step #77 Determine the number of splice trays that are installed in the organizer and locate the corresponding number on the lock pin. Trim the lock pin at the notched location just below the number.

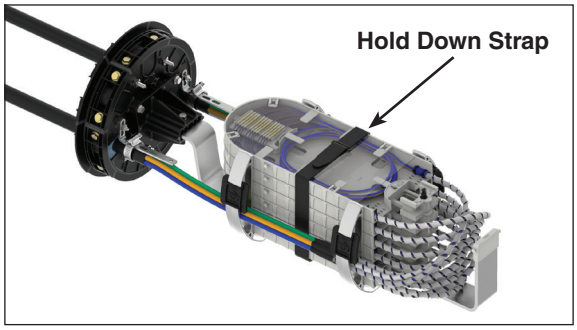


Note: One side of the lock pin is numbered 1-12 for thin profile splice trays and the other side of the lock pin is numbered 1-6 for deep profile splice trays.

Step #78 Install the lock pin into the hinge brackets as shown below.

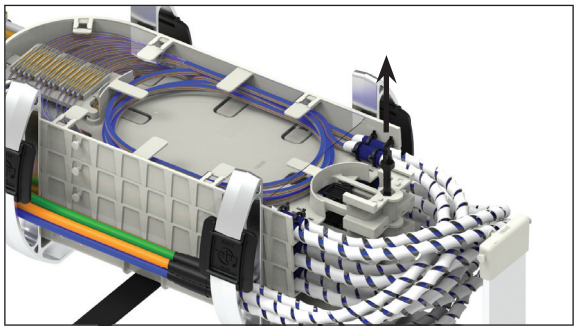


Step #79 Secure the splice tray(s) with the hold down strap.

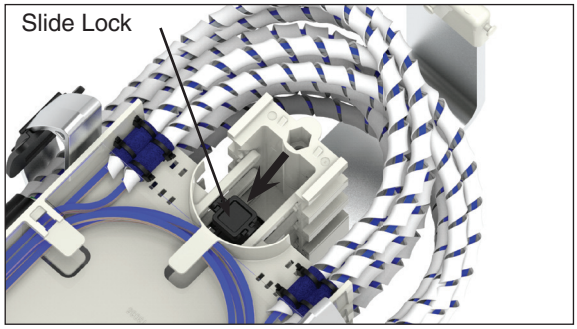


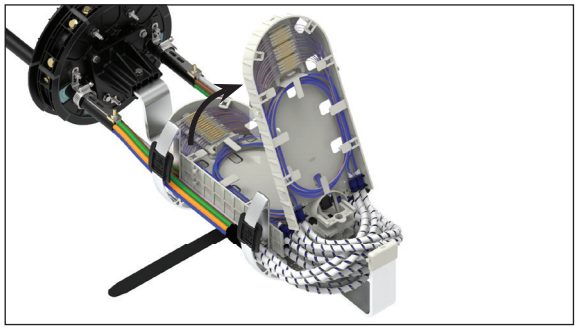
FLIPPING & SECURING SPLICE TRAYS IN THE UPRIGHT POSITION

Step #80 Remove the hold down strap and the lock pin.

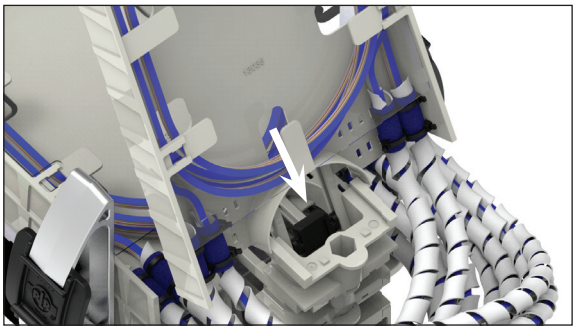


Step #81 Shift the slide lock against the splice tray. While holding the slide lock against the splice tray, rotate the splice tray upwards until it is in the set position in the hinge bracket.





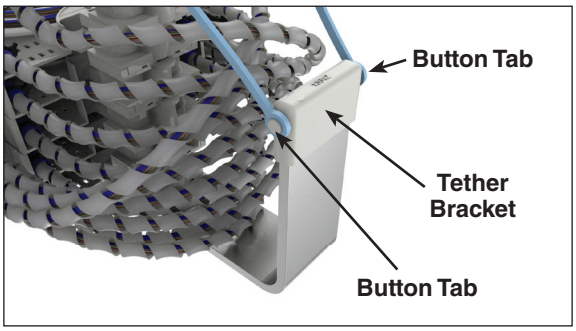
Step #82 Lock the splice tray in the upright position by sliding the slide lock towards the hinge bracket.

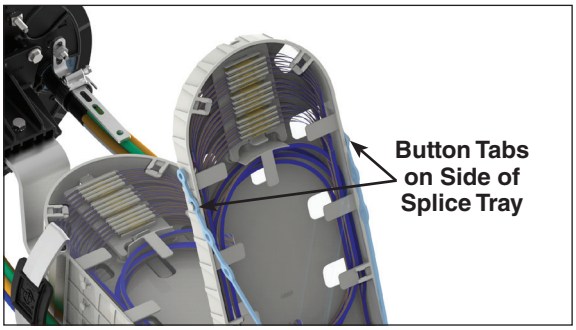


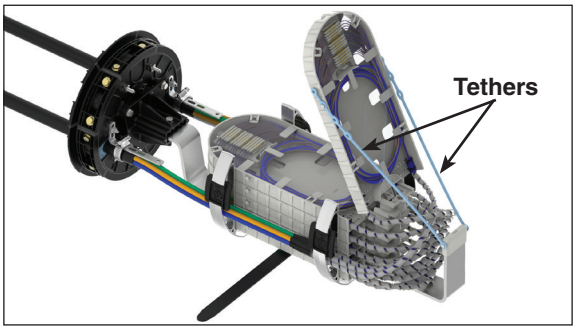
IMPORTANT NOTE: The slide lock must be in the locked position for each splice tray that is in the upward position. Do not lock the slide lock for only the bottom splice tray of the stack of splice trays that are in the upward position.

OPTIONAL – SECURING THE SPLICE TRAYS WITH TETHERS

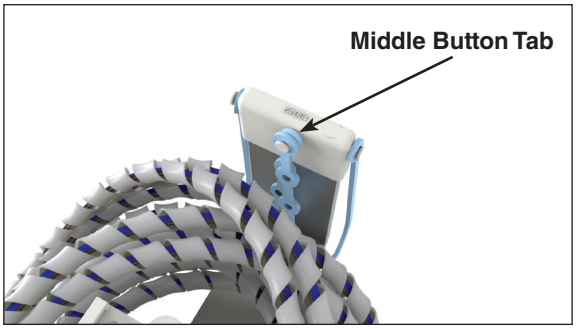
Step #83 To secure the splice trays while they are flipped up, attach the tethers from the button tabs of the tether bracket to the button tabs of the bottom splice tray that is flipped up.







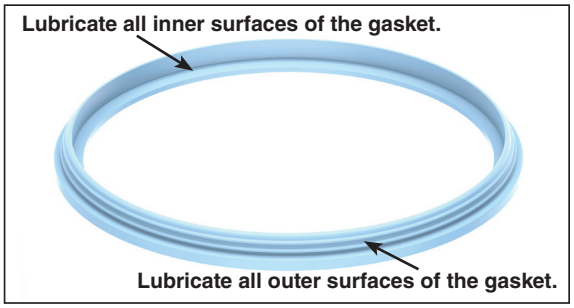
Step #84 When the tethers are not being used they can be stored on the tether bracket by securing the loose ends of the tethers to the middle button tab as shown below.



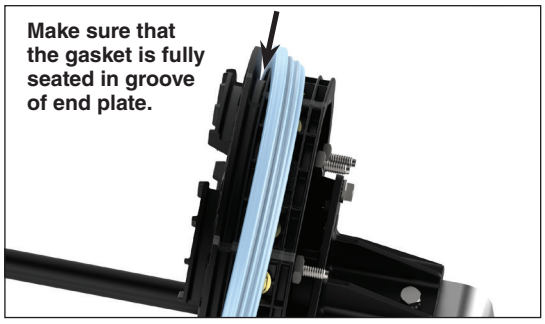
DOME PREPARATION & INSTALLATION

Step #85 Re-tighten all cable cap bolts (Step #45) 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.

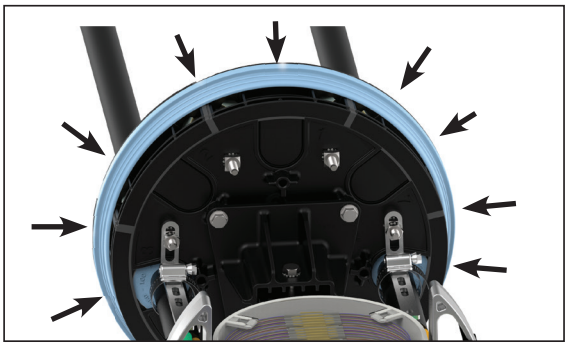
Step #86 Lubricate all surfaces around gasket with silicone lubricant to assure easy assembly and closure re-entry.



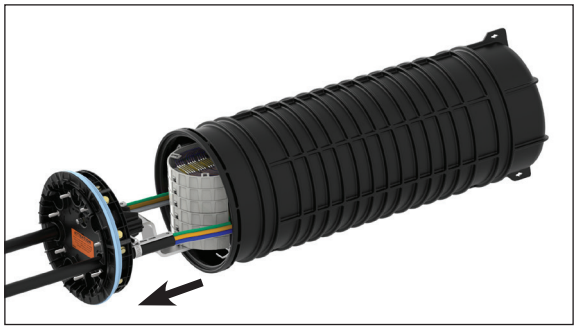
Step #87 Slide the end plate gasket onto the end plate and press into the groove.



Step #88 Work the gasket into the groove.

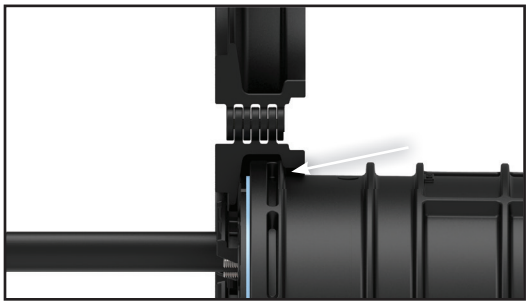


Step #89 Position the dome over the end plate.

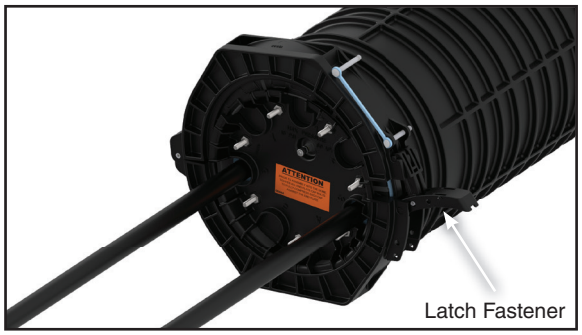


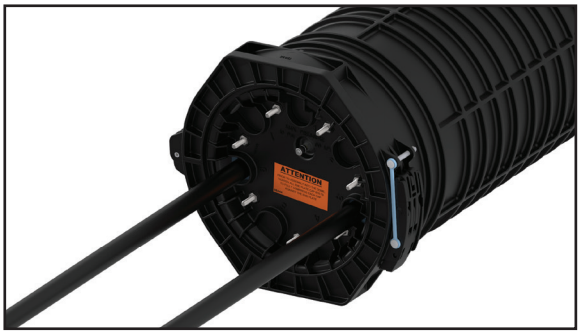
Step #90 Install the dome collar.

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



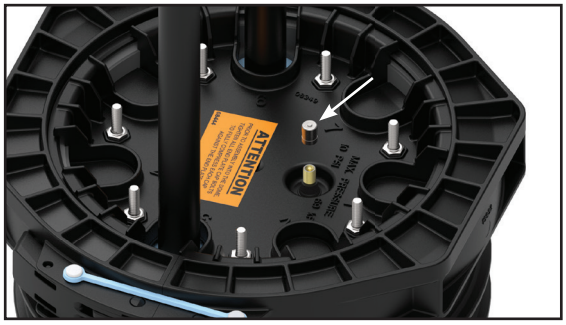
Step #91 Fasten the latch and lock the collar with the pin.



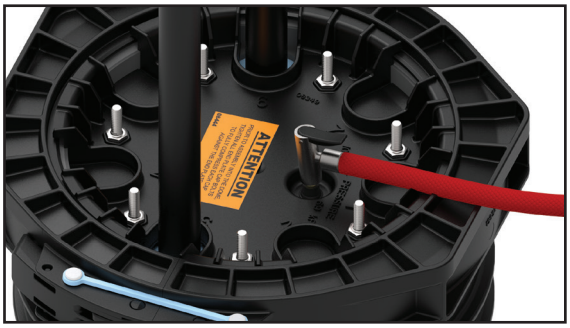


FLASH TEST PROCEDURE

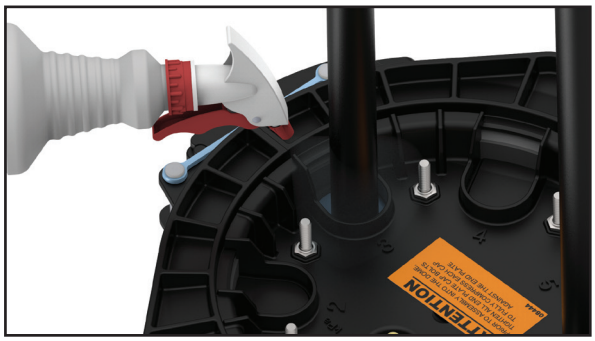
Step #92 Remove the cap from the air valve of the end plate.



Step #93 Pressurize closure up to a max of 10 psi.



Step #94 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.



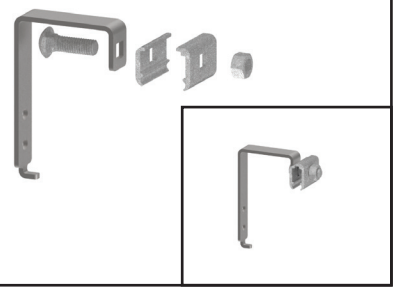
Step #95 Release the pressure in the closure using the bump on the top of the air valve cap.

AERIAL MOUNTING OPTIONS

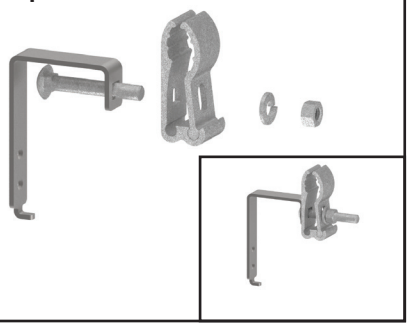
Step #96a **9.5" Dome Strand Mount Aerial Offset Bracket Kit (PLP Cat. #: 8004037) and 9.5" Dome ADSS Mount Aerial Offset Bracket Kit (PLP Cat. #: 8004038).**

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

Strand Clamp

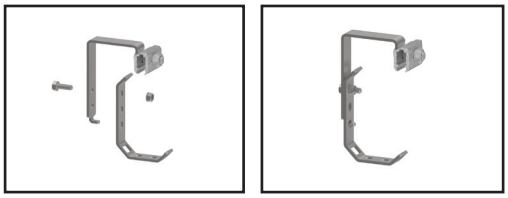


ADSS Clamp

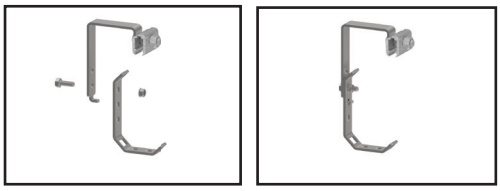


Step #96b For Taller Spacing.

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.



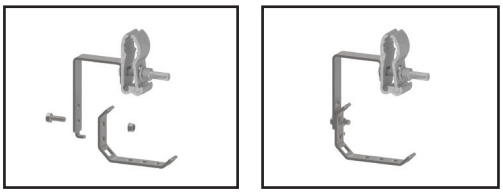
Position 1 - Strand Clamp Shown



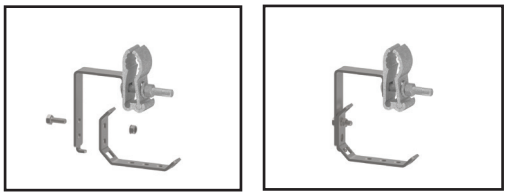
Position 2 - Strand Clamp Shown

Step #96c 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.

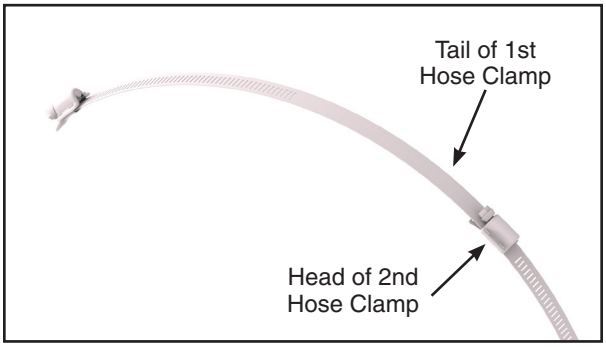


Position 1 - ADSS Clamp Shown

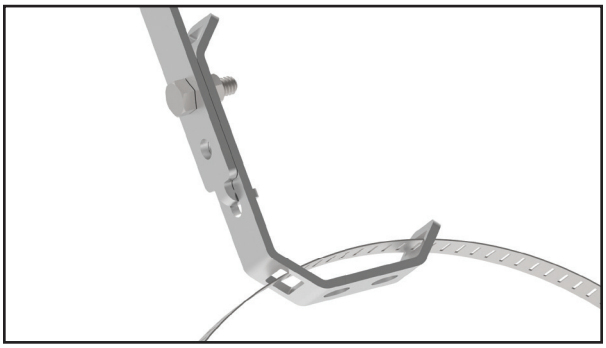


Position 2 - ADSS Clamp Shown

Step #97 Secure the tail of one hose clamp to the head of the other hose clamp.

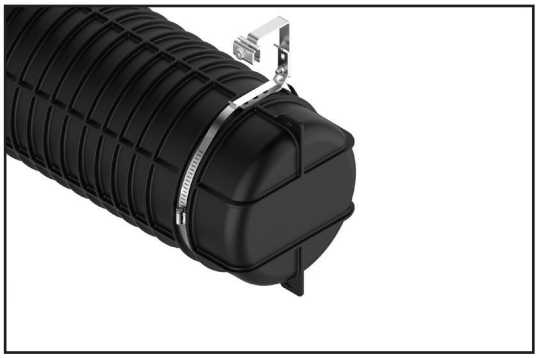


Step #98 Insert hose clamp through slots in each of the bottom aerial offset brackets.



Step #99 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.

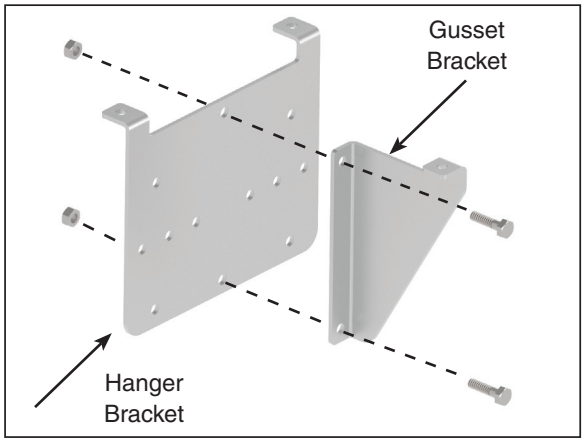
Step #100 Bracket installed on dome closure.



POLE/WALL MOUNTING OPTION

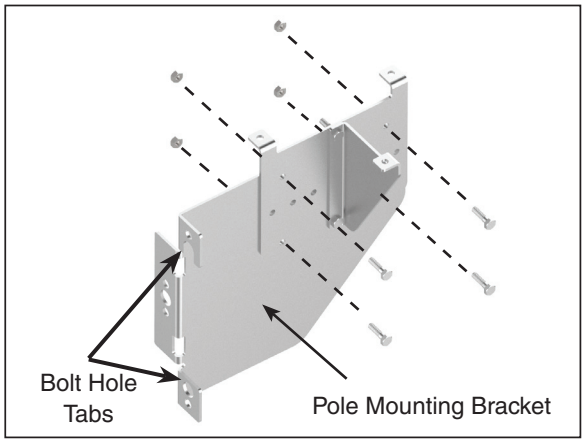
Step #101 The COYOTE® 9.5" Dome Pole/ Wall Mount Bracket (PLP Cat. #: 8003942).

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

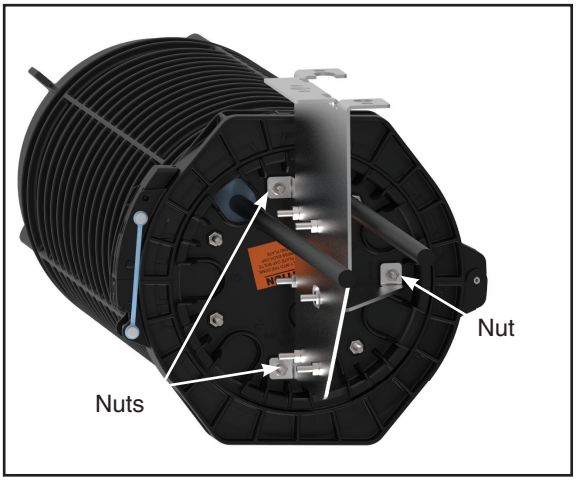


Step #102 The COYOTE 9.5" Dome Pole/Wall Mount Bracket (PLP Cat. #: 8003942).

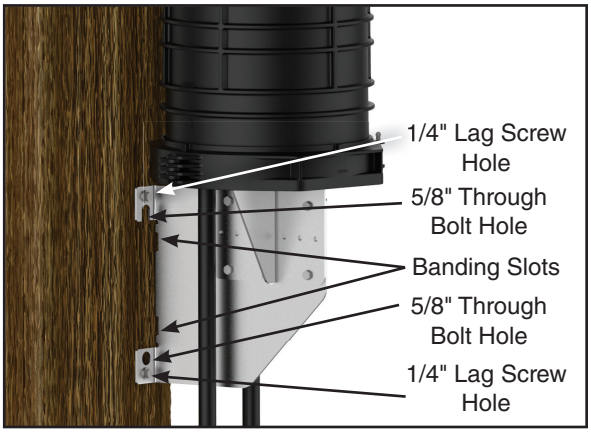
Attach the hanger bracket to the pole mounting plate with the gusset side facing the same side as the bolt hole tabs of the pole mounting bracket.

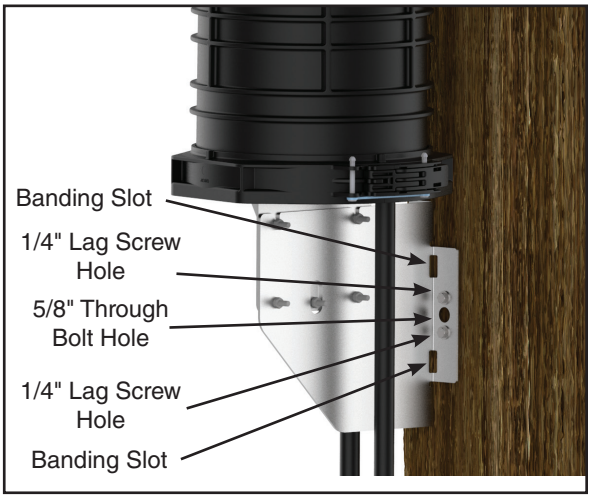


Step #103 Install the pole/wall mount bracket assembly on to the grounding studs of the end plate of the closure and secure it to the end plate with the three nuts that are provided.



Step #104 Attach the dome pole mounting plate to a pole or a wall with either 5/8" through bolts, 1/4" lag screws, or banding.

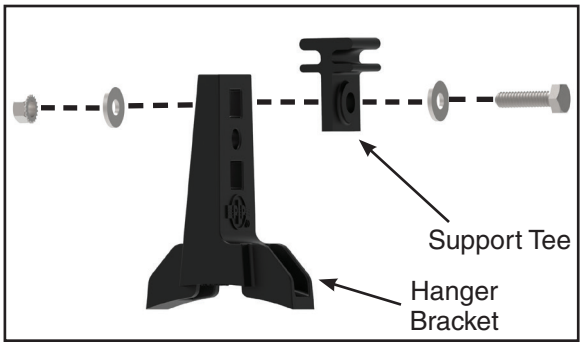


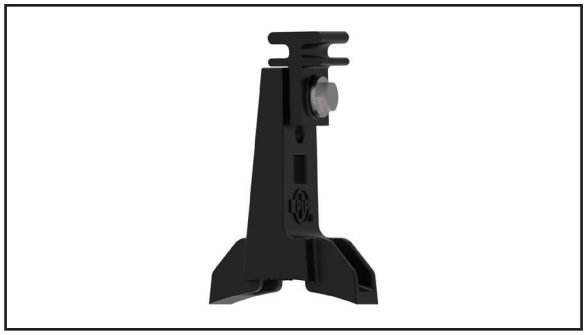


MANHOLE SUPPORT BRACKET OPTION

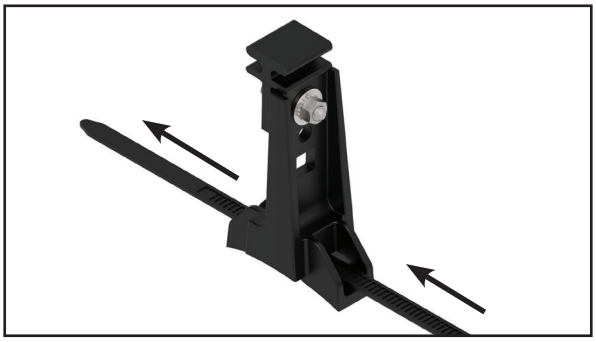
Step #105 **COYOTE® 9.5" Dome Manhole Support Bracket (PLP Cat. #: 8004003)**

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

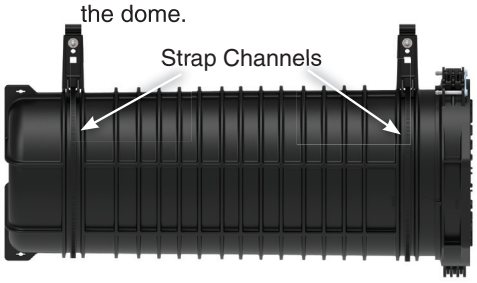




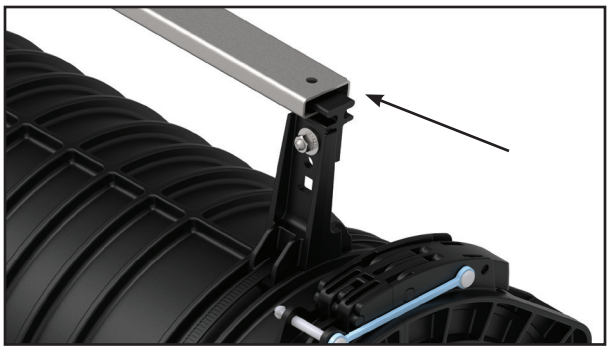
Step #106 Slide a tie wrap through each hanger bracket as shown below.

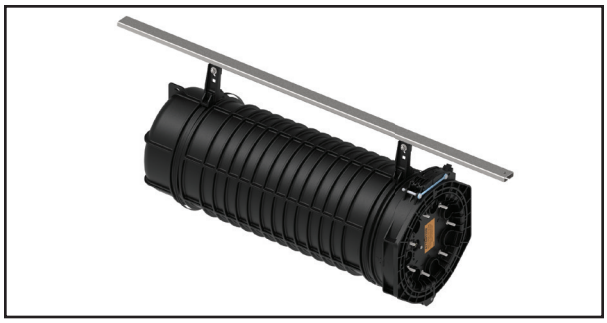


Step #107 Secure the hanger brackets to the dome with the tie wraps. Make sure the hanger brackets seat within the strap channels of the dome.

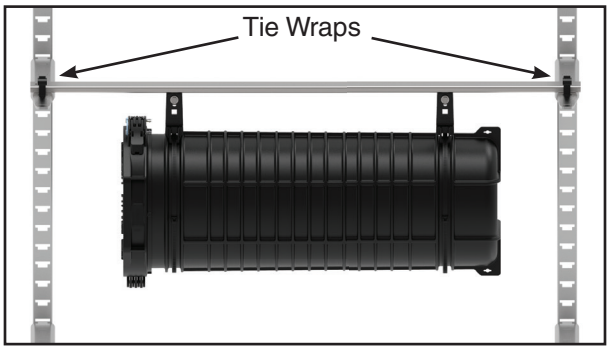


Step #108 Slide the tees of the hanger brackets within the slot of the manhole support bracket.





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™ 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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