COYOTE® STP-XL

INSTALLATION INSTRUCTIONS

⚠ IMPORTANT SAFETY INFORMATION

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

This product is intended for use by trained technicians only. This product should not be used by anyone who is not familiar with and not trained to use it. When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact. Be sure to wear proper safety equipment per your company protocol. These instructions are not intended to supersede any company construction or safety standards. These instructions are offered only to illustrate safe installation for the individual. PLP products are intended for the specified application only. Do not modify this product under any circumstances. Do not reuse or reinstall any PLP product unless that capability is expressly indicated in the product's Installation Instructions. For proper performance and personal safety, be sure to select the proper PLP product before installation. PLP products are precision devices. To ensure proper performance, they should be stored in cartons under cover and handled carefully.

PACKAGE COMPONENTS

STP-XL6 Base Shown

1. Base Assembly (1)
2. Cover, Shallow or Deep (2)
3. Small Parts Bag (1)
4. Grommet Kit (1-2)[1]
5. Strength Member Bracket Kit (1-2)[1]
6. Splice Tray Kit (2 or 4)[1]
7. Drop Grommet Kit (0-1)[1]

Tools Required:

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

NOTE: Depending on base configuration, Package Components list may not reflect actual package contents.

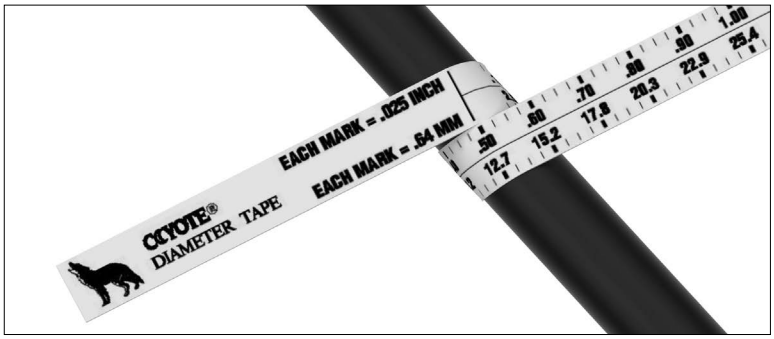
[1] Quantity varies per catalog number.

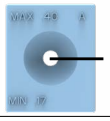
FEED AND BRANCH CABLE PREPARATION

1 Measure each cable to determine the diameter of the cable and select the proper grommet(s) for your application.

NOTE: The lines shown on the grommet selection chart below indicate the required slitting locations for grommets used with express cable.

NOTE: Before taking the diameter measurement; if the cable is a Figure 8 style cable or contains a tracer wire, remove the wire portion of the cable and any burrs left on the cable caused by separating the tracer wire from the sheath before inserting the cable into the grommet.

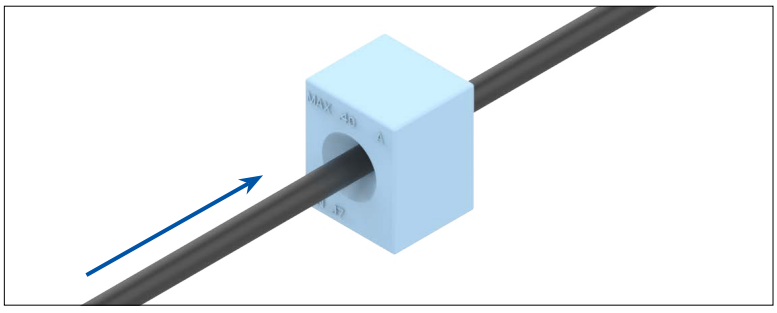


	Cable Diameter Range
	0.170" - 0.400", Conical (4.32 - 10.2 mm)
	0.400" - 0.550", Conical (10.16 - 14 mm)
	0.156" - 0.170" Round Drop Cables[1] (4.0 - 4.3 mm)
	For Flat Drop Cables
	ROC™ Drop Grommet Dielectric Drop Only[1]

ROC™ is a trademark of Corning Incorporated.
[1] Not available for slitting applications.

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

NOTE: If your application requires express/balloon/ring cut cables, see **Step 4** for grommet slitting procedure.

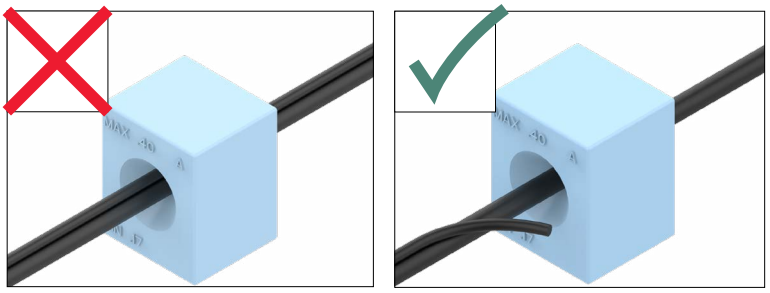


3 To install Figure 8 style cables or cables with tracer wire in a grommet, remove the tracer/ground wire from the portion of the cable that will be positioned in the grommet. Remove any burrs left on the cable caused by separating the tracer/ground wire from the sheath and insert the cable into the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

CAUTION

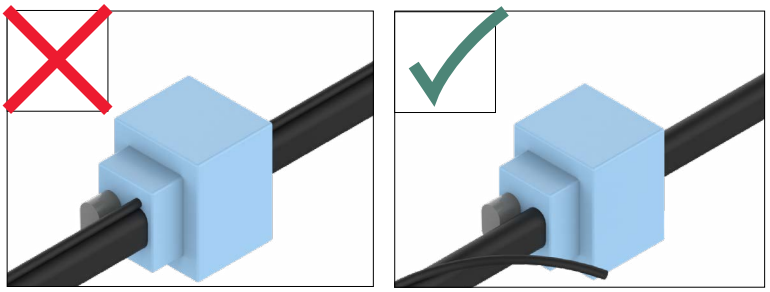
Failure to separate tracer wires or ground wires from the cable or removing burrs left on the cable may allow water to migrate through the cable entrance of the grommet.

Cable with Figure 8 Cable



Incorrect Installation | Correct Installation

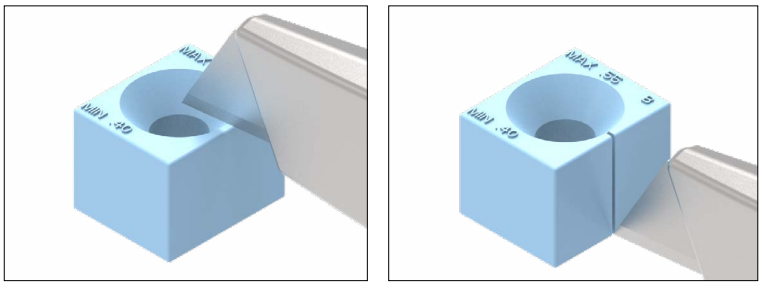
Cable with Tracer Wire



Incorrect Installation | Correct Installation

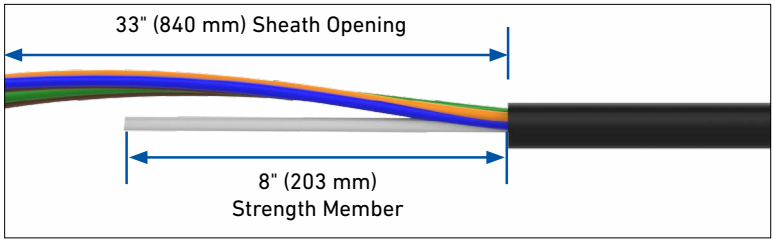
4 Grommet Slitting – If slitting is required, lay the grommet on a stable flat surface. Position the utility knife with the cutting edge against the top surface and cut through the grommet. **Consult the grommet chart in Step 1 for slitting locations of all grommets.**

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



5 Prepare loose tube/buffer tube cable(s) for cut application.

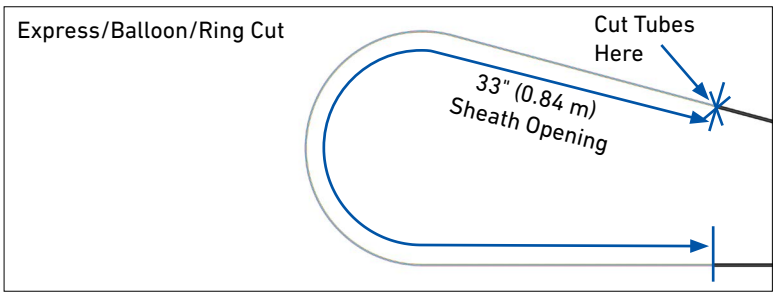
NOTE: Leave roughly 8" (203 mm) of strength member to trim later.



CABLE SHEATH OPENING WHEN FIBER IS DEDICATED TO THE SPLICE POINT

6 Prepare loose tube/buffer tube or cable(s) for mid-sheath applications.

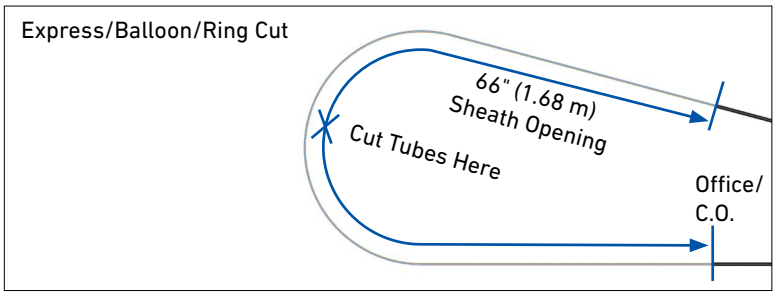
NOTE: Leave roughly 8" (20.3 cm) of strength member to trim later.



CABLE SHEATH OPENING WHEN FIBER IS NOT DEDICATED TO THE SPLICE POINT

7 Prepare loose tube/buffer tube or cable(s) for mid sheath applications.

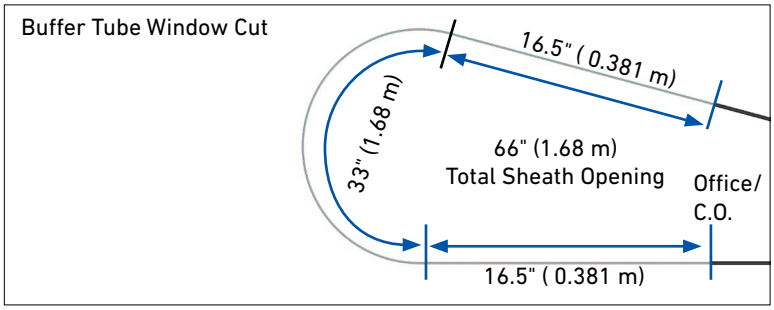
NOTE: Leave roughly 8" (20.3 cm) of strength member to trim later.



CABLE SHEATH OPENING FOR BUFFER TUBE WINDOW CUT APPLICATIONS

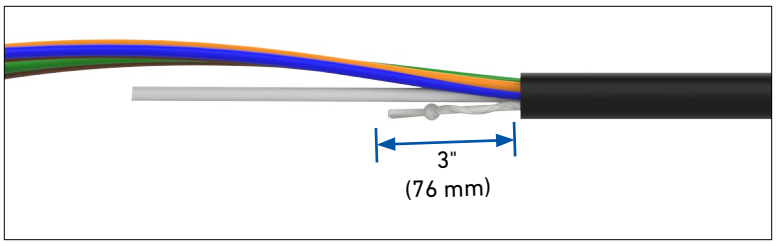
8 Prepare loose tube/buffer tube or cable(s) for expressed fiber.

NOTE: Leave roughly 8" (20.3 cm) of strength member to trim later.



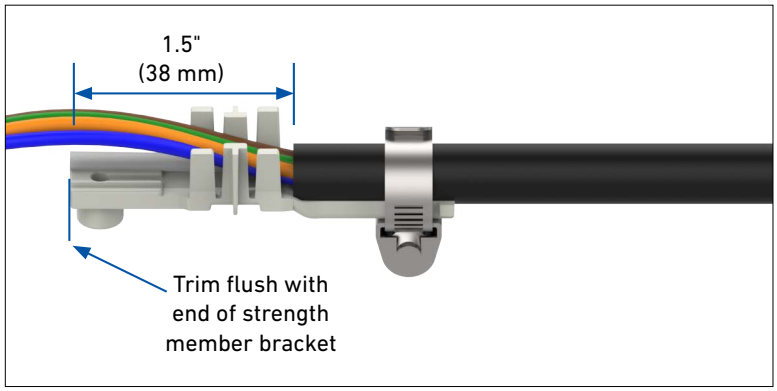
PREPARING CABLE RESTRAINT

9 If the cable contains aramid yarn, braid roughly 3" (76 mm) of the aramid yarn.



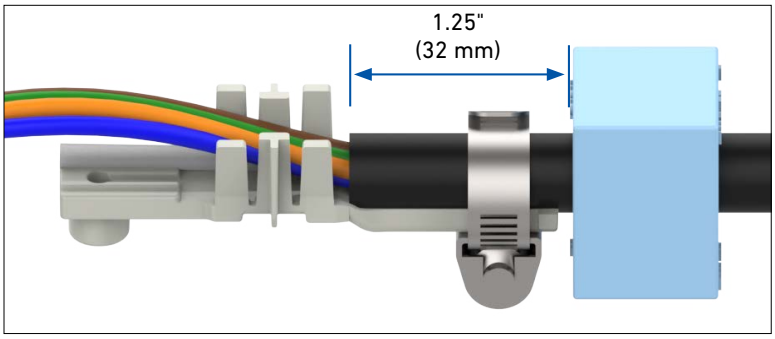
10 Position cable on strength member bracket as shown, and cut strength member flush with end of the strength member bracket. Secure the cable to the strength member bracket with the hose clamp.

NOTE: It is recommended to install the hose clamp with the housing positioned under the strength member bracket.



11 Position the grommet 1.25" (32 mm) away from the cable sheath opening.

NOTE: Cables can be prepared and secured to brackets outside of the closure footprint for easier application.

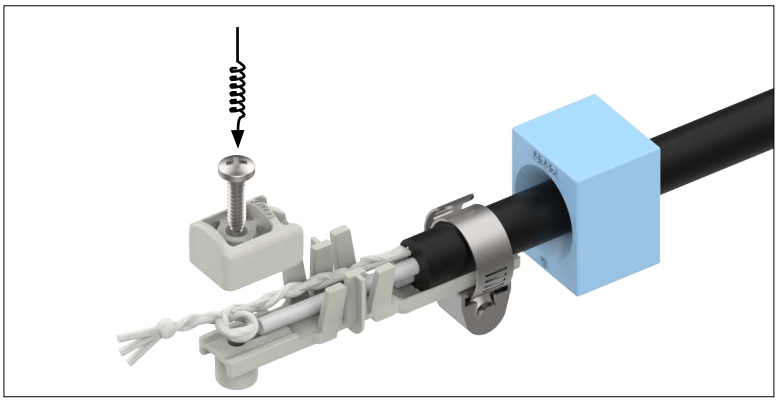


12 Install the aramid yarn and or strength member(s) of the cable under strength member cap. Wrap the braided aramid yarn around screw and fully tighten.

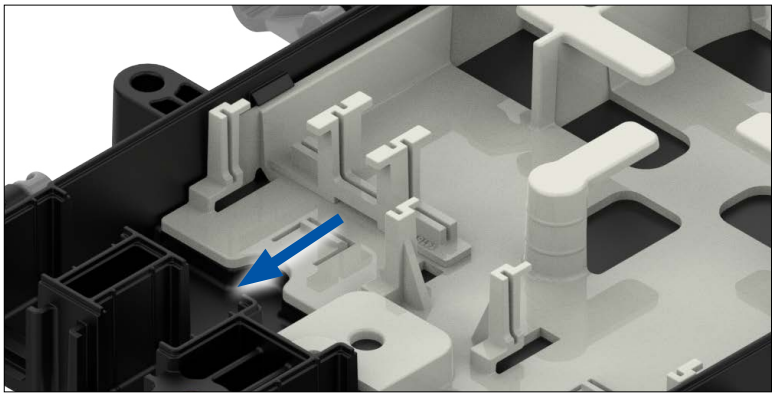
NOTE: Buffer tubes not shown in image in order to provide clarity for installation of the aramid yarn.

CAUTION

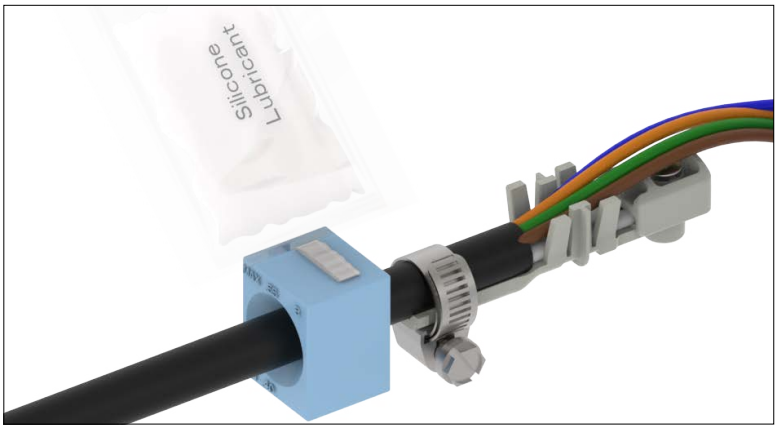
If close attention is not paid while the cable strength member(s) are secured under the cap, buffer tubes may become pinched or distorted.



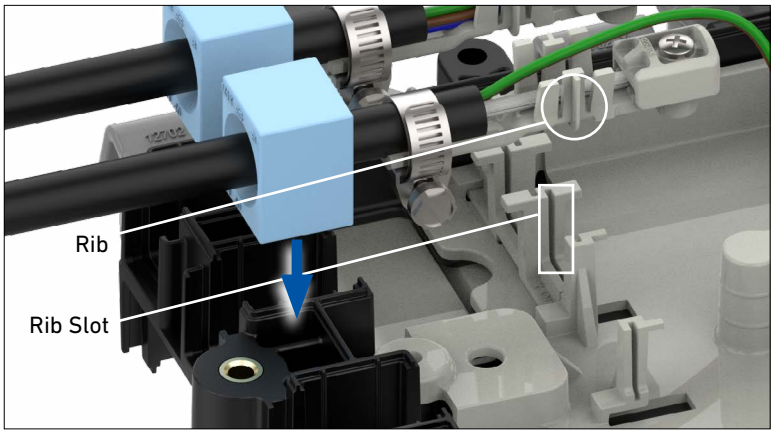
13 Install clip gate as shown ensuring notched end faces grommet ports. Clip gate will "click" when fully seated.



14 Lubricate the outer surface of the grommets with the silicone lubricant provided. Spread lubricant evenly around the outer surface of the grommet.

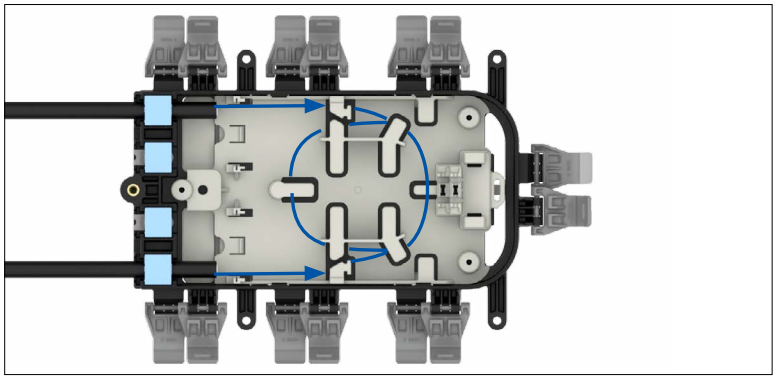


15 Align grommet with grommet ports in base. Align rib on strength member bracket with the slots in the clip gate and firmly press to engage. Two "clicks" will be heard as the strength member bracket engages with the locking features on the clip gate.



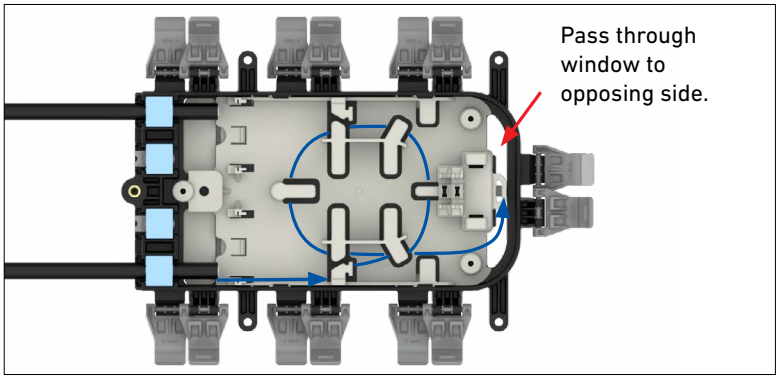
ROUTING EXPRESS FIBER

16 Route any expressed buffer tubes under the tabs of the organizer as shown.

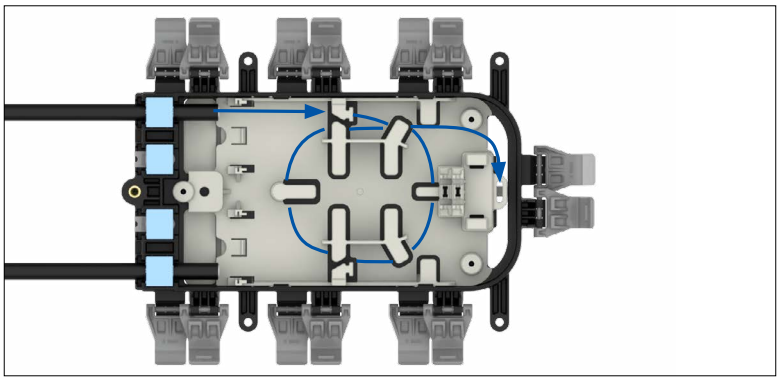


ROUTING FIBER TO DROP CHAMBER

17 Route the tube(s) with fibers to be spliced to the drops through the window to the other chamber as shown.

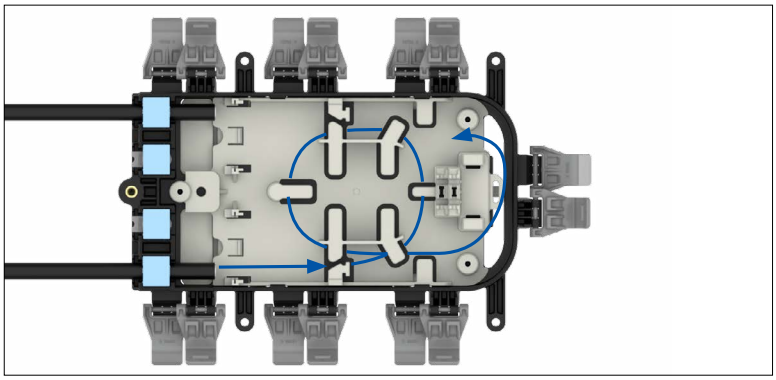


OR

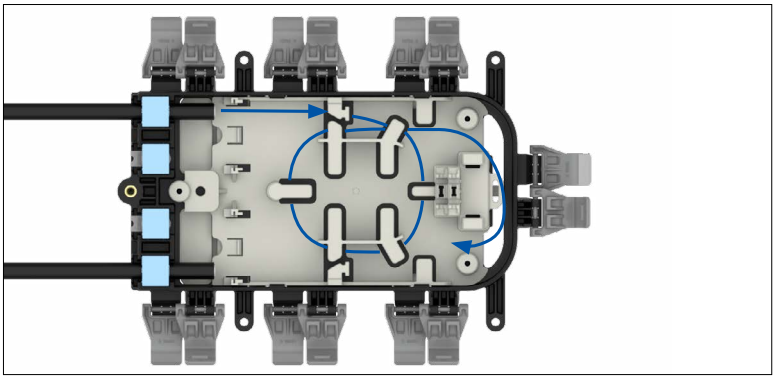


ROUTING FIBER TO SPLICE TRAYS

18 Route the incoming tube(s) with fibers to be spliced through the storage area and up to the splice tray(s) as shown.

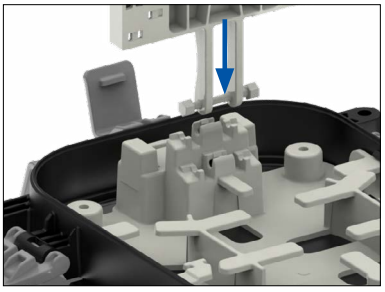


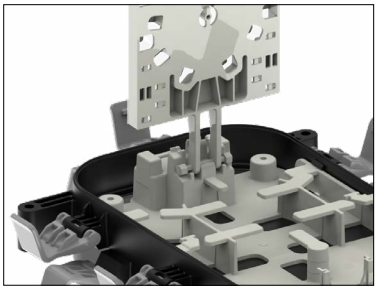
OR



SPLICE TRAY INSTALLATION

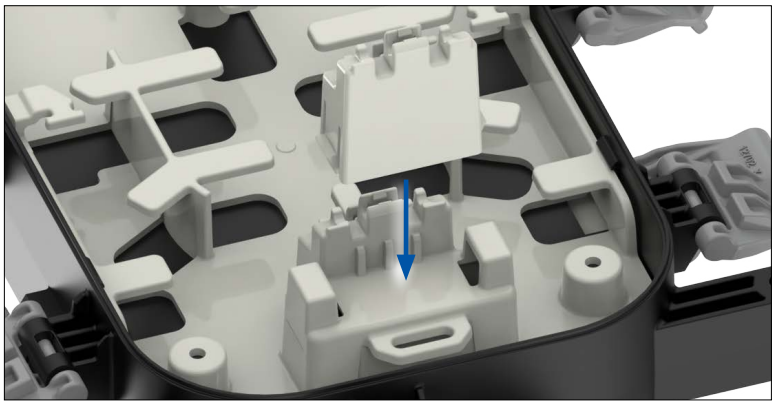
19 Firmly push the tray into the tray bracket.



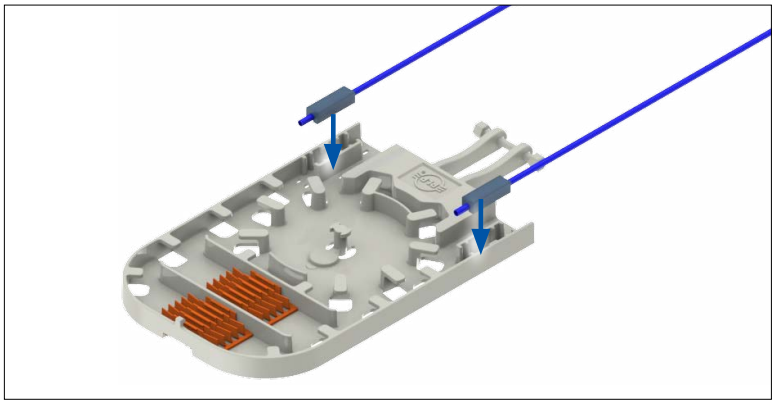


20 **Optional-** If more than two trays are required, the tray expansion bracket must be installed. Firmly press the tray expansion bracket into the slot on the organizer until it 'clicks' into place. The additional trays can be installed in the same manner as the tray installation in **Step 19.**

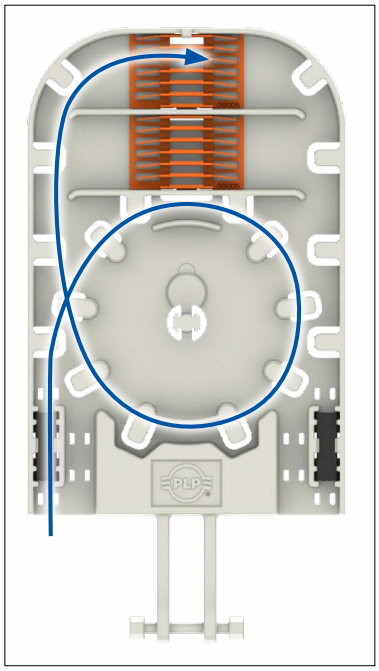
NOTE: The deep cover is required for use with tray expansion bracket.

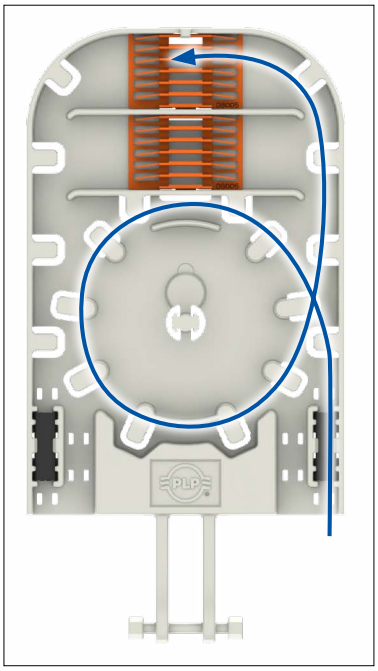


21 To retain buffer tubes, install LITE-GRIP® retention sleeve onto buffer tube and then into splice tray as shown.



22 Route the fibers into each splice tray as shown.

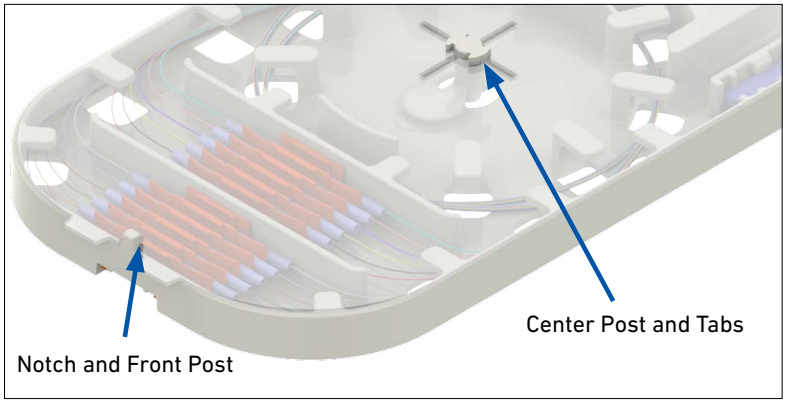




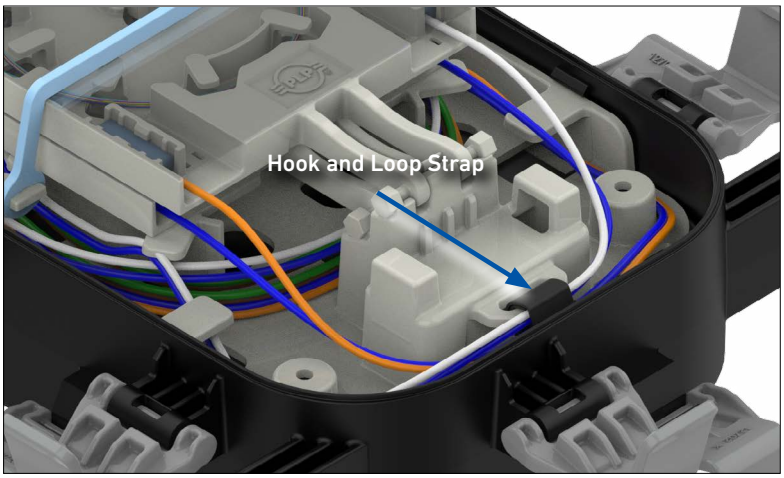
23 Splice the incoming fibers to the outgoing fibers per your accepted company practice.

24 Install tray cover as shown.

NOTE: Ensure the four tabs in the center of the tray cover snap under the tabs on the post in the center of the tray and the notch in the front of the tray cover goes under the post at the front of the tray.

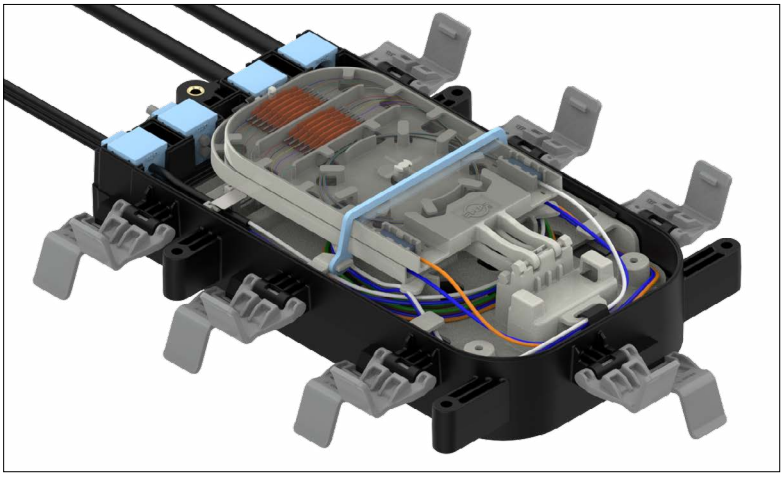


25 Secure tubes routing to splice tray(s) under tab and restrain with small piece of hook and loop strap as shown.



SECURING SPLICE TRAYS

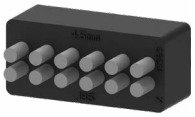
26 Secure tray(s) with the hold down strap as shown. The hold down strap can be adjusted to hold up to four trays. Flip the closure over to install the drop cables.



DROP CABLE PREPARATION

27 Measure each cable to determine the diameter of the cable and select the proper grommet(s) for your application.

NOTE: If the cable is a Figure 8 style cable or contains a tracer wire, remove the wire portion of the cable and any burrs left on the cable caused by separating the tracer wire from the sheath before inserting the cable into the grommet.

Large Grommet Selection	Cable Diameter Range
	0.193" - 0.201" (4.9 - 5.1 mm) 12 ROUND DROP CABLES
	6 FLAT DROP CABLES

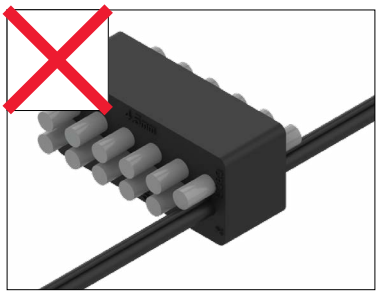
28 Remove pre-installed grommets plugs and push the drop cable(s) through the grommet.

NOTE: If the cable is a Figure 8 style cable or contains a tracer wire, remove the wire portion of the cable before inserting the cable into the grommet. Remove any burrs left on the cable caused by separating the tracer wire from the sheath.

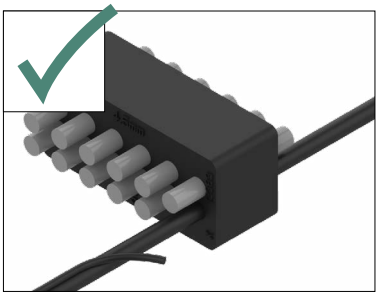
CAUTION

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

Drop Cable with Tracer Wire or Figure 8 Cable

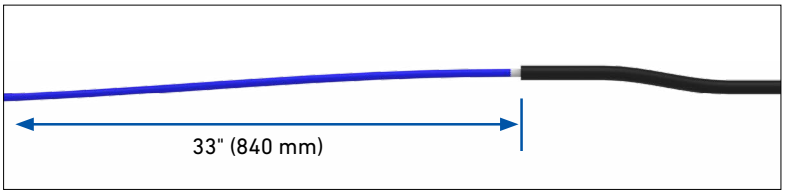


Incorrect Installation

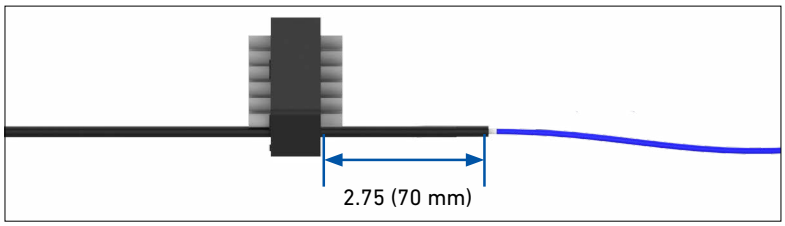


Correct Installation

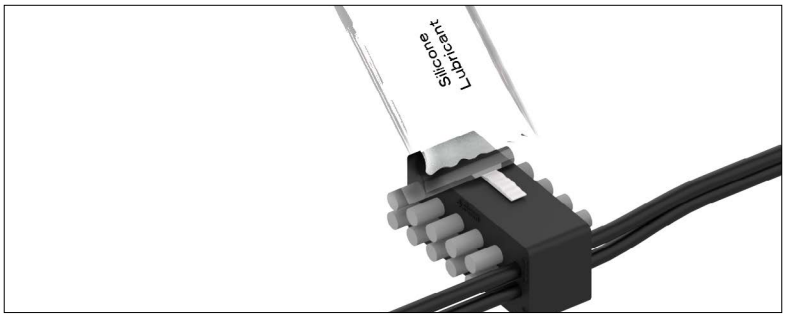
29 Measure, mark, and remove the cable sheath to expose 33" (840 mm) of fiber for cut cable applications as shown.



30 Position the grommets roughly 2.75" (70 mm) away from the sheath opening.

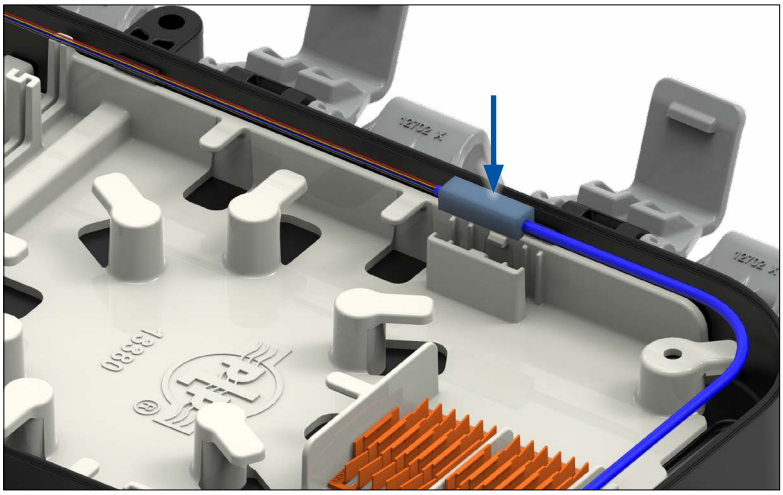


31 Lubricate the outer surface of the grommets with the silicone lubricant provided. Spread lubricant evenly around the outer surface of the grommet.

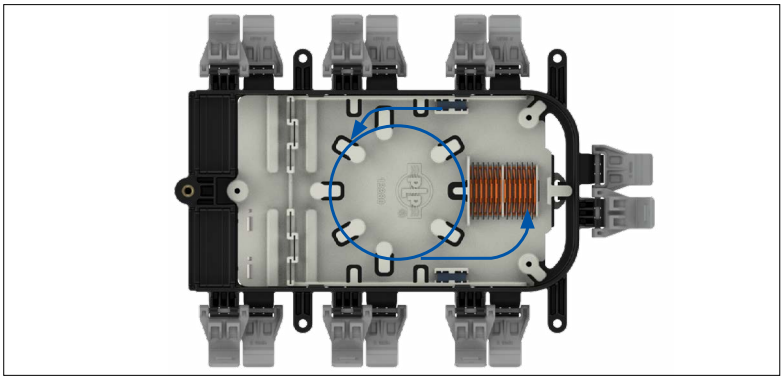


DROP CABLE INSTALLATION

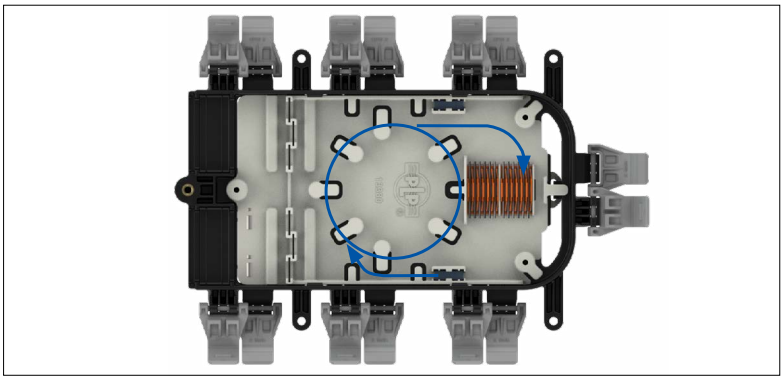
32 If routing buffer tube from other side, bring buffer tube through pass through window. Use LITE-GRIP® Retention Sleeve to retain buffer tube as shown. Route bare fiber into slack storage area.



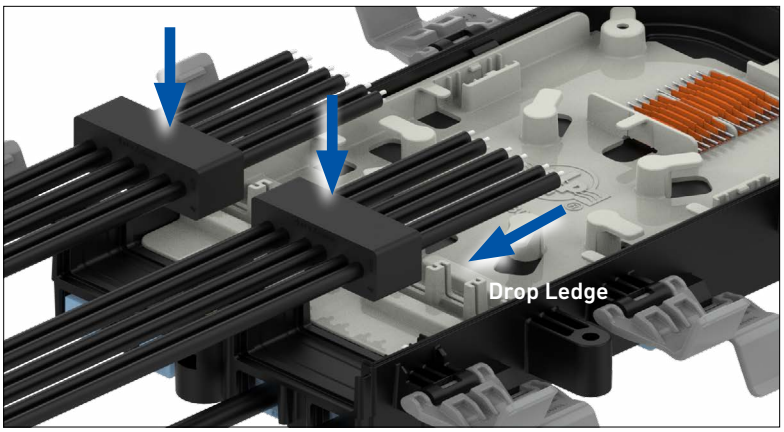
33 Route bare fiber through the slack storage area to the splice block(s) as shown.



OR

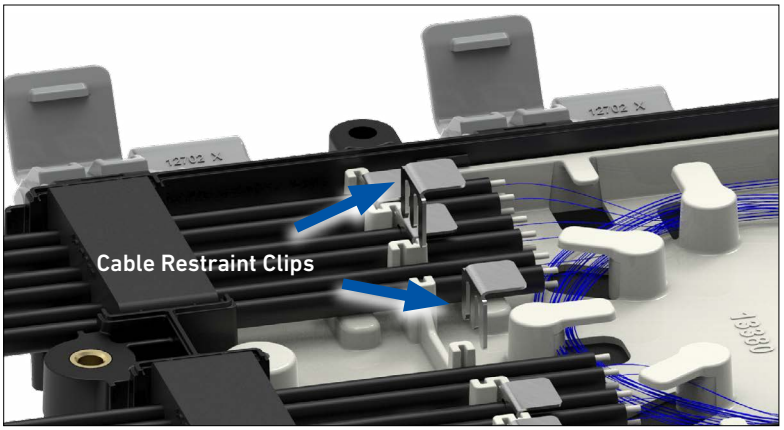


34 Insert grommets into grommet ports ensuring that the drop cables extend past the inner most drop support ledge.

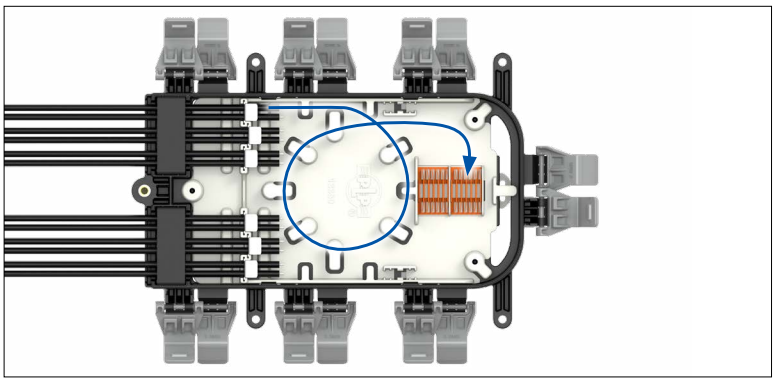


35 Align the cable restraint clips with the slots in the drop clip gate. Firmly press the clip onto the outer jackets of the drop cables.

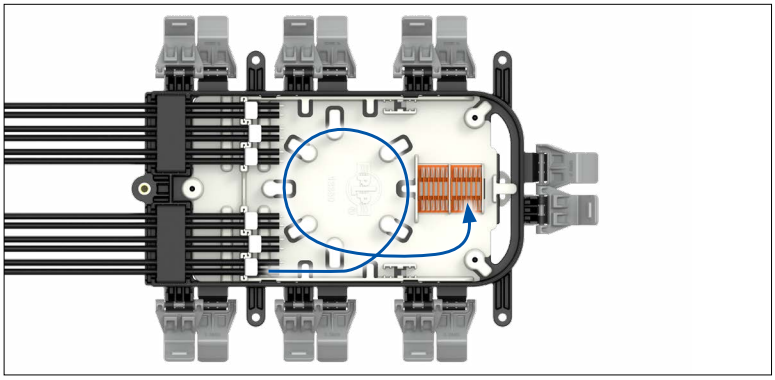
NOTE: Use a can wrench to push the cable restraint clip into the slot in the drop clip gate.



36 Route the fibers to be spliced through the storage area and up to the splice block(s) as shown.



OR



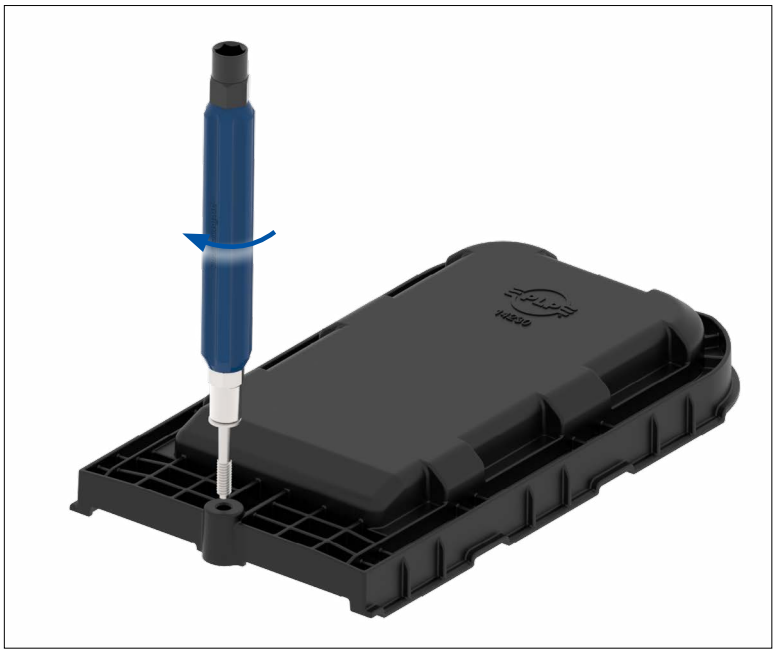
ROUTING DROP FIBERS TO BE SPLICED

37 Splice the incoming fibers to the outgoing fibers per your accepted company practice.

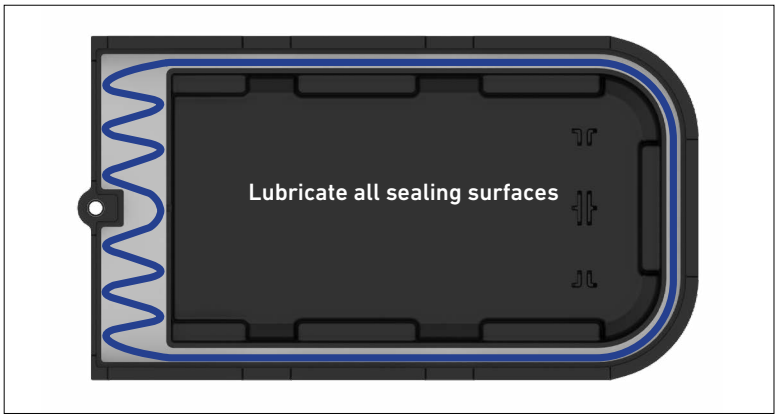
INSTALLATION OF COVERS

38 Using a can wrench, install the bolt(s) into the cover(s).

NOTE: Assembly and installation of both shallow and deep covers is the same. The following instructions show the shallow cover.



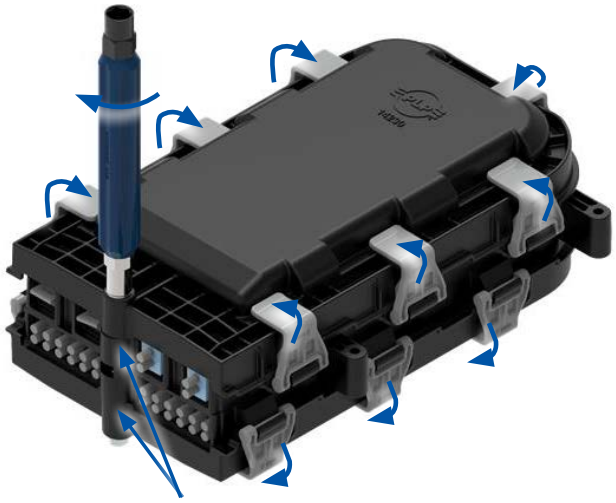
39 Lubricate all surfaces of the gasket with silicone lubricant to assure proper assembly and closure re-entry.



40

Place the cover on the base as shown, be sure to align the cover bolt with the insert in the base. Rotate latches onto the cover, latches will snap into place once fully installed. Tighten cover bolt with a can wrench until the bottom surface of the cover touches the base

NOTE: For easier assembly, start by closing the latches furthest from the grommets.



Tighten cover bolt until bottom surface of boss contacts base

COYOTE® STP-XL CLOSURE KITS

COYOTE STP-XL 6-Port Base Closure Kits

Catalog Number	Description
STP-XL6-48-001	COYOTE STP-XL Closure with 6-Port Base – Includes (2) Shallow Covers, (4) Small Conical Grommets 0.17" - 0.40" (4.3 - 10.2 mm), (2) Large Conical Grommets 0.40" - 0.55" (10.2 - 14 mm), (2) 12-Hole Drop Grommets 0.193" - 0.205" (4.9 - 5.2 mm), and (2) 24 CT. Splice Trays
STP-XL6-96-001	COYOTE STP-XL Closure with 6-Port Base – Includes (1) Shallow Cover, (1) Deep Cover, (4) Small Conical Grommets 0.17" - 0.40" (4.3 - 10.2 mm), (2) Large Conical Grommets 0.40" - 0.55" (10.2 - 14 mm), (2) 12-Hole Drop Grommets 0.193" - 0.205" (4.9 - 5.2 mm), and (4) 24 CT. Splice Trays

All kits include (1) COYOTE STP-XL 6-Port Base Assembly with Universal Organizer and Drop Tray, (2) Covers, (8) Grommets and Cable Restraint Hardware. Hanger Brackets are sold separately.

COYOTE STP-XL 8-Port Base Closure Kits

Catalog Number	Description
STP-XL8-48-002	COYOTE STP-XL Closure with 8-Port Base – Includes (2) Shallow Covers, (4) Small Conical Grommets 0.17" - 0.40" (4.3 - 10.2 mm), (2) Large Conical Grommets 0.40" - 0.55" (10.2 - 14 mm), (4) 2-Hole Flat Drop Grommets, and (2) 24 CT. Splice Trays
STP-XL8-48-003	COYOTE STP-XL Closure with 8-Port Base – Includes (2) Shallow Covers, (4) Small Conical Grommets 0.17" - 0.40" (4.3 - 10.2 mm), (2) Large Conical Grommets 0.40" - 0.55" (10.2 - 14 mm), (4) 2-Hole ROC™ Drop Grommets, and (2) 24 CT. Splice Trays
STP-XL8-96-002	COYOTE STP-XL Closure with 8-Port Base – Includes (1) Shallow Cover, (1) Deep Cover, (4) Small Conical Grommets 0.17" - 0.40" (4.3 - 10.2 mm), (2) Large Conical Grommets 0.40" - 0.55" (10.2 - 14 mm), (4) 2-Hole Flat Drop Grommets, and (4) 24 CT. Splice Trays
STP-XL8-96-003	COYOTE STP-XL Closure with 8-Port Base – Includes (1) Shallow Cover, (1) Deep Cover, (4) Small Conical Grommets 0.17" - 0.40" (4.3 - 10.2 mm), (2) Large Conical Grommets 0.40" - 0.55" (10.2 - 14 mm), (4) 2-Hole ROC™ Drop Grommets, and (4) 24 CT. Splice Trays

All kits include (1) COYOTE STP-XL 8-Port Base Assembly with Universal Organizer and Drop Tray, (2) Covers, (10) Grommets and Cable Restraint Hardware. Hanger Brackets are sold separately.

COYOTE® STP PRO SERIES ACCESSIORIES AND MOUNTING BRACKETS

Accessory Kits for COYOTE STP Pro Series

Catalog Number	Description
STPXL-TK-002	Splice Tray Kit – Includes (1) Splice Tray, (1) Cover, (2) 12 CT. Single Fusion Splice Blocks, (2) LITE-GRIP® Retention Sleeves for Microtube, (2) LITE-GRIP Retention Sleeves for Buffer Tubes, (2) LITE-GRIP Retention Sleeves for Micro Buffer Tubes, (1) Felt Strip, and (12) Cable Ties
80814576	Standard Cross-Connect Adapter Bulkhead – Empty. Used with flangeless adapters only. Supports up to 6 dual SC or quad LC adapters.
80814614	Deep Cross-Connect Adapter Bulkhead – Empty. Used with flangeless adapters only. Supports up to 12 dual SC or quad LC adapters. **NOTE**: Needs to be used in conjunction with a deep cover (**Catalog Number: 80813747**).
STPXL-EK-001	Splice Tray Extension Kit – Includes (1) Deep Cover, and (1) Expansion Piece
80813747	Deep Cover Kit - Includes (1) Deep Cover and Silicone Lubricant
8004153 ROC™ is a trademark of Corning Incorporated.	Splice Block Kit - Includes (6) 48 CT. Mass Fusion or Splitter Splice Blocks, Mustard
80814575	Cover Tether Kit

Mounting Bracket Kits for COYOTE STP Pro Series

Catalog Number	Description
7400033	Aerial Mounting Bracket Kit – Strand Applications
8004214	Pole/Wall Mounting Bracket with Integrated Slack Storage **NOTE**: Can be used with (**Catalog Number: 8004072E**) SLACKLOOP 33" Cable Storage
8004248	Pole/Wall Mounting Bracket
80061735	Manhole Mounting Bracket

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