



# COYOTE® DTC

## DROP TERMINATION CLOSURE

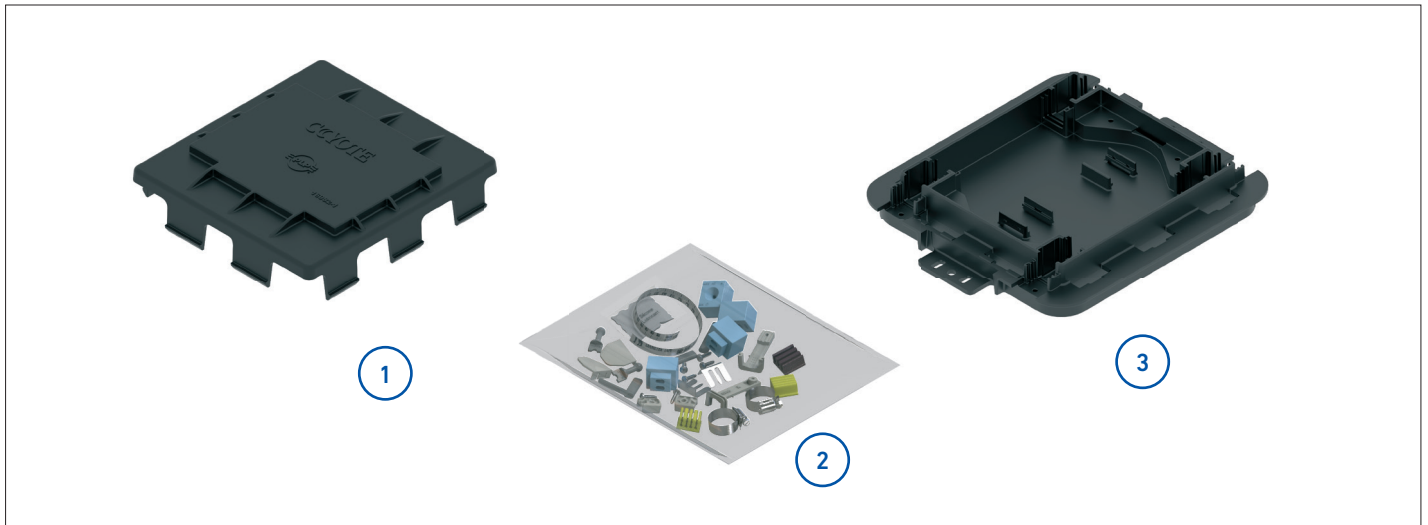
### INSTALLATION INSTRUCTIONS

#### 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



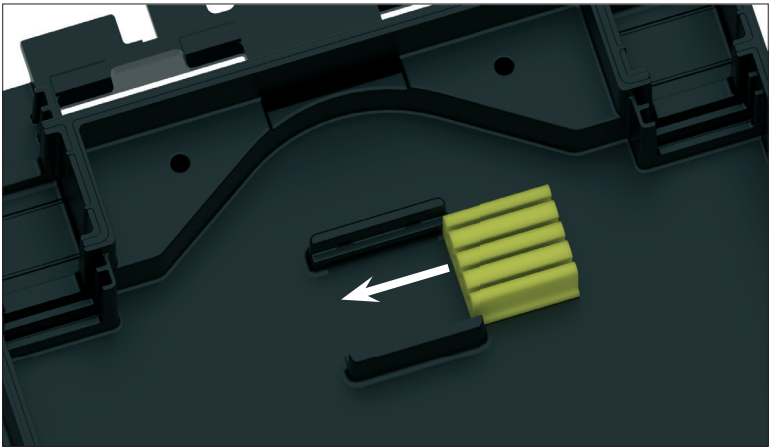
1. Cover (1)
2. Small Parts Bag (1)
3. Base (1)

#### Tools Required

- Fiber Optic Cable Opening Tools
- Snips
- Screwdrivers (Flat Head & Phillips)
- 1/4" Nut Driver

GENERAL BASE PREPARATION

- 1
- Install splice blocks in base.

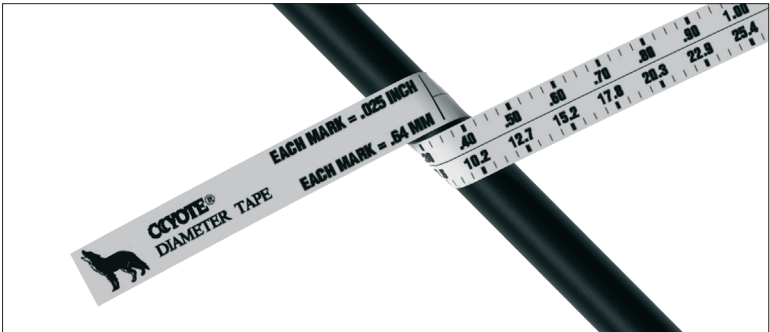


FEED AND BRANCH CABLE PREPARATION

- 2
- 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.

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.



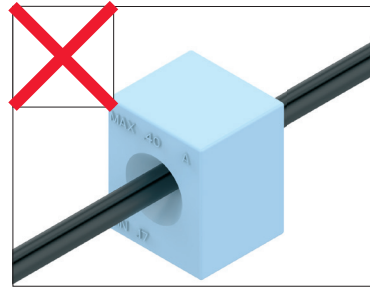
Grommet Selection	Cable Diameter Range
	0.170" - 0.320" (4.32 - 8.12 mm)
	Flat Drop Cables
	Corning ROC™ Drop Cables Dielectric Cable Only

3

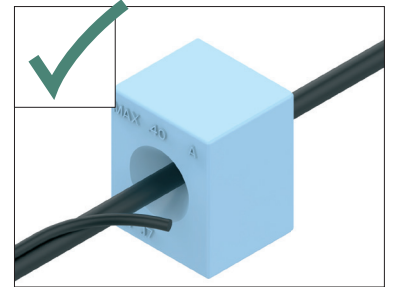
To install Figure 8 style cables or cables with tracer wire in a grommet, remove the tracer/ground wire from the portion of the cable that will be positioned in the grommet. Remove any burrs left on the cable caused by separating the tracer/ground wire from the sheath and insert the cable into the grommet.

**NOTE:** Corning ROC™ Drop Cables with tracer wire **CANNOT** be used.

#### Cable with Figure 8 Cable



Incorrect Installation

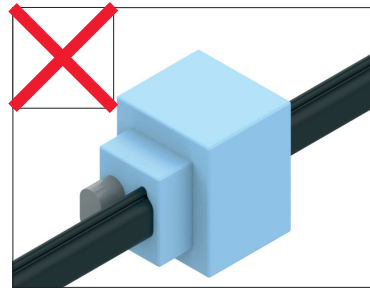


Correct Installation

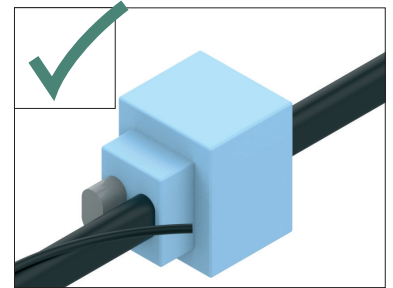
#### CAUTION

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 Tracer Wire



Incorrect Installation

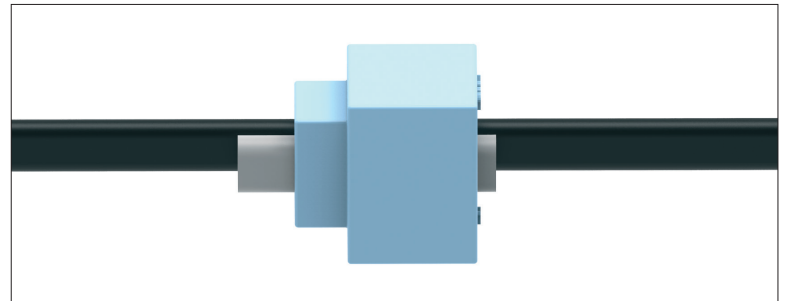


Correct Installation

4

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

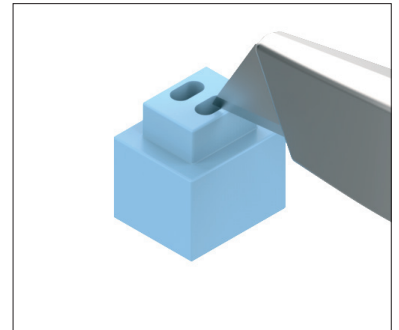
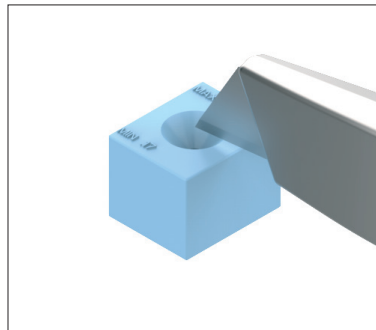
**NOTE:** If your application requires express/balloon/ring cut cables, see **Step 5** for slitting procedure.



5

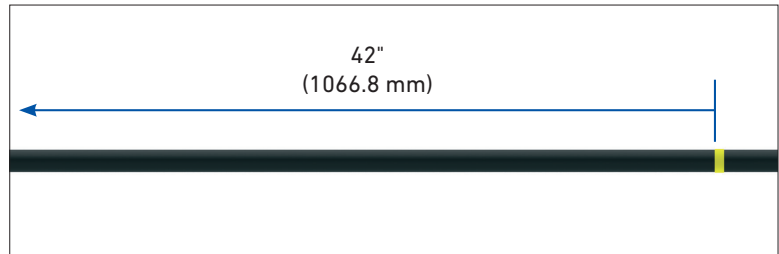
If slitting is required, lay the grommet on a stable flat surface. Position the utility knife with the cutting edge against the top surface and cut through the grommet. Consult the grommet chart in **Step 2** for slitting locations of all grommets.

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



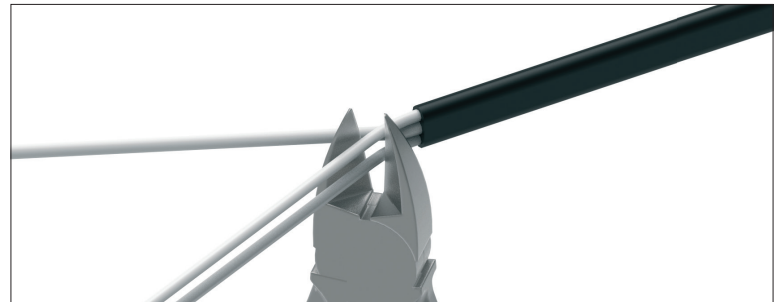
## PREPARING FLAT AND ROC™ DROP CABLE

- 6** Measure the cable sheath opening as shown in the image and then remove the cable sheath.

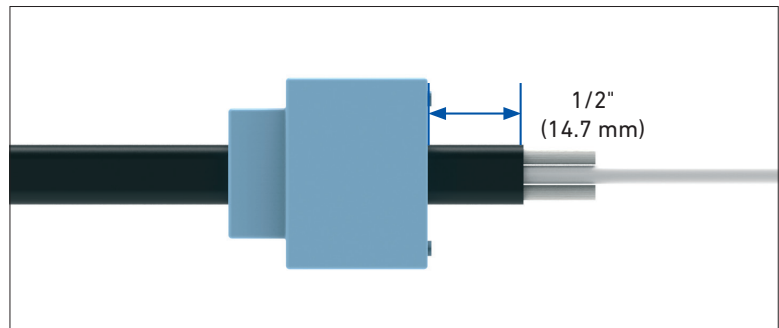


- 7** **Flat Drop:** Trim the strength members as close as possible to the sheath opening.

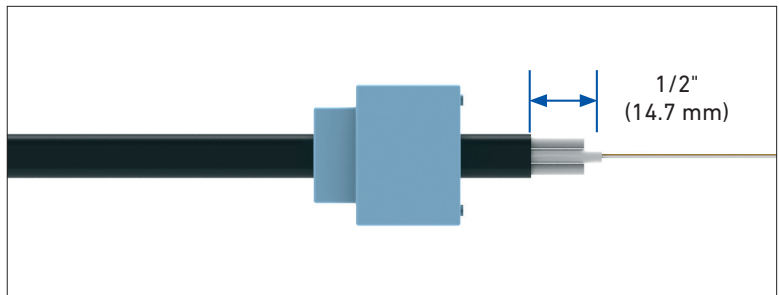
**ROC™ Drop:** Skip to Step 8.



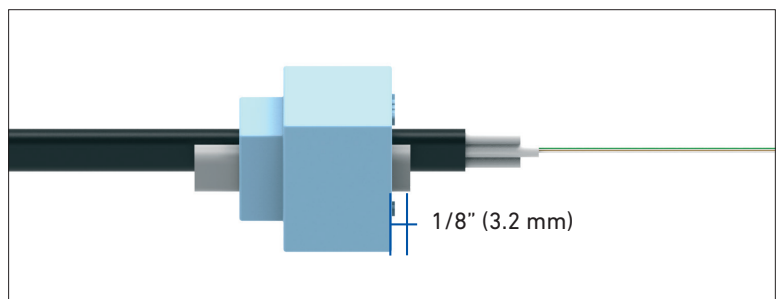
- 8** Position the grommet 1/2" (14.7 mm) away from the cable sheath opening.



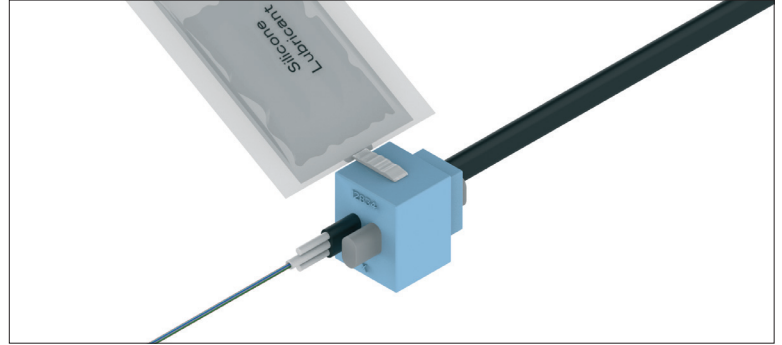
- 9** Trim the buffer tube roughly 1/2" (14.7 mm) from the cable sheath opening.



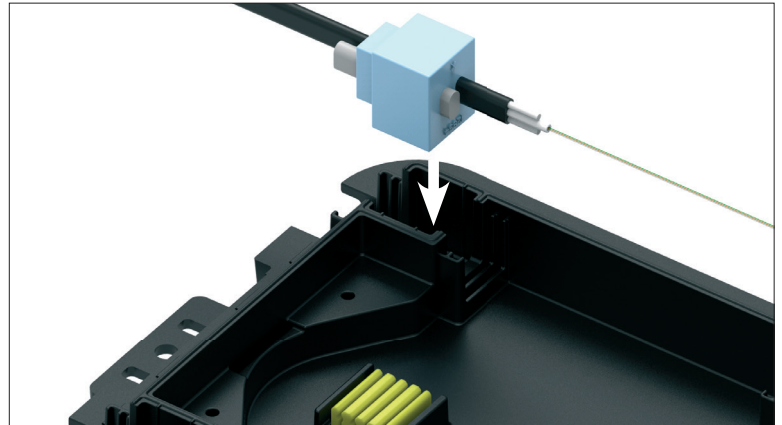
- 10** Plug any unused holes in the grommets. For drop cable applications, the plugs cannot protrude more than 1/8" (3.2 mm) towards the inside of the closure.



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



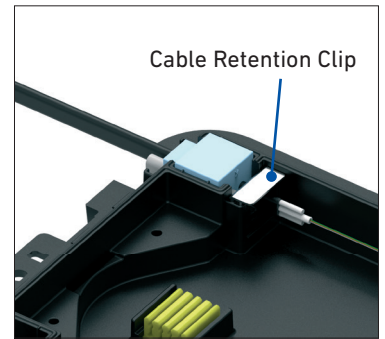
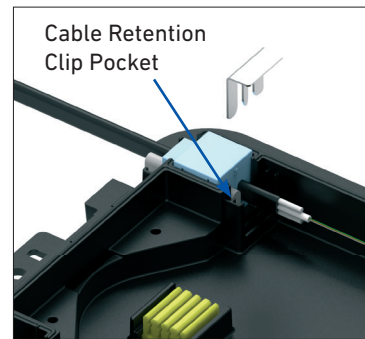
- 12 Insert the grommet into the grommet pocket of the base.



- 13 Align the cable retention clip with the retention clip pocket closest to the grommet port. Firmly press down on the retention clip to install it onto the cable(s).

**NOTE:** Use a can wrench to push the cable retention clip into the pocket.

**NOTE:** The retention clip cannot be installed onto the grommet plugs. See **Step 10** for proper plug placement.



- 14 If using a cable with a tracer wire, strip the tracer wires and connect the two wires using a Scotchlok™ Connector.

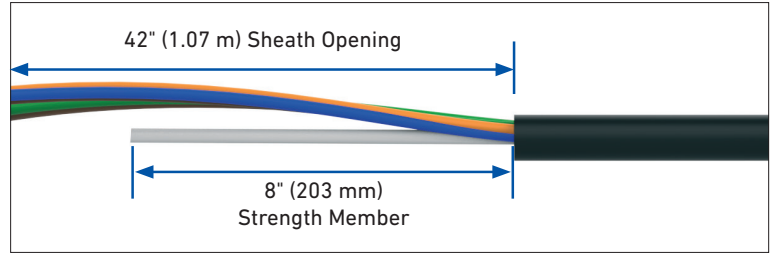


## PREPARING ROUND CABLE WITH A CENTRAL STRENGTH MEMBER

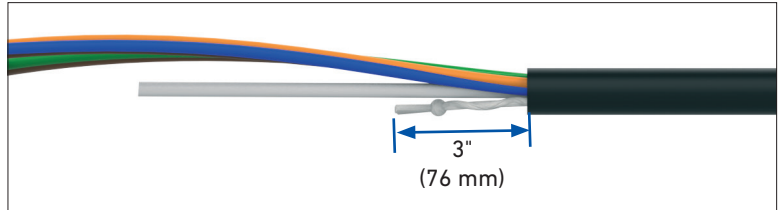
**NOTE:** Buffer tubes may not be shown in the following images in order to provide clarity.

- 15** Prepare loose tube/buffer tube cable(s) for cut application.

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

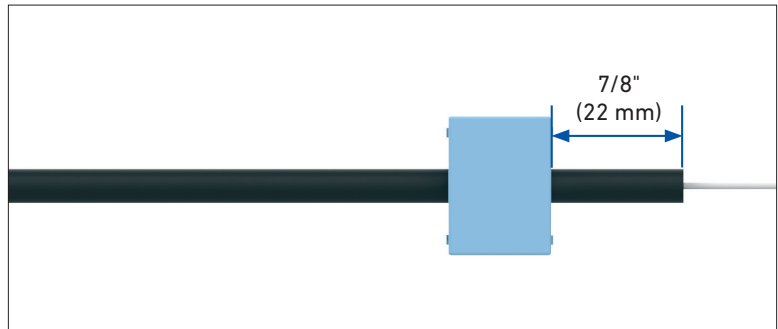


- 16** If the cable contains aramid yarn, braid roughly 3" (76 mm) of the aramid yarn.

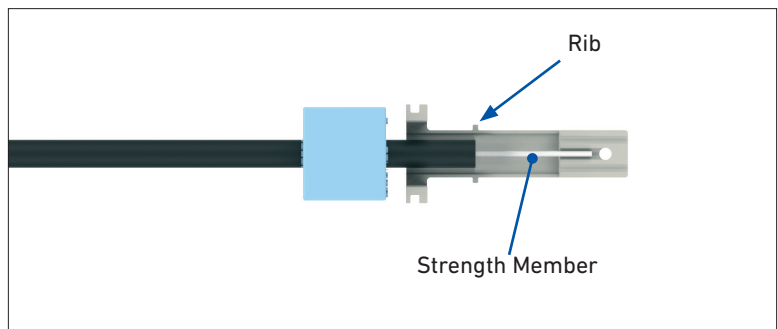


- 17** Position the grommet 7/8" (22 mm) away from the cable sheath opening.

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

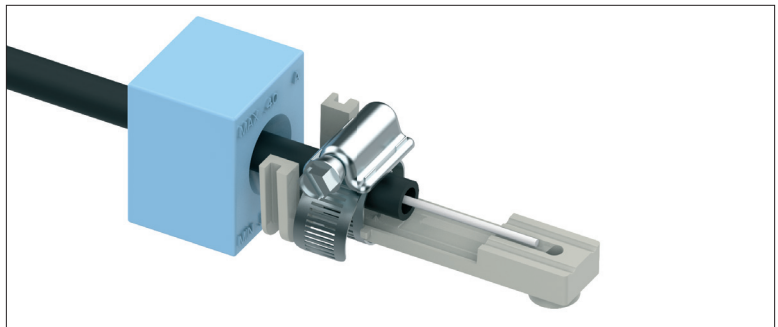


- 18** Align the cable sheath opening with the ribs on the strength member bracket. Trim the strength member(s) directly before the hole on the bracket.

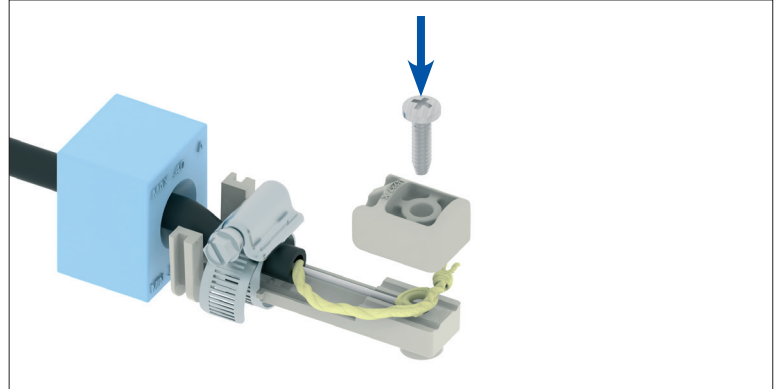


- 19** Secure the cable to the strength member bracket with the hose clamp.

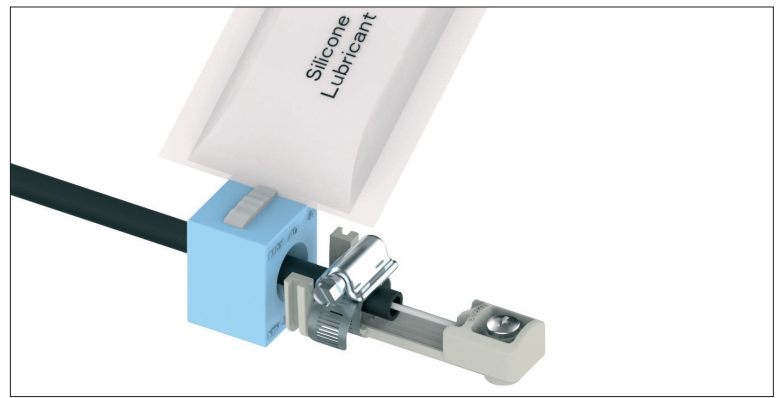
**NOTE:** It is recommended to install the hose clamp with the housing positioned above the cable and with the adjustment screw facing the center of the closure.



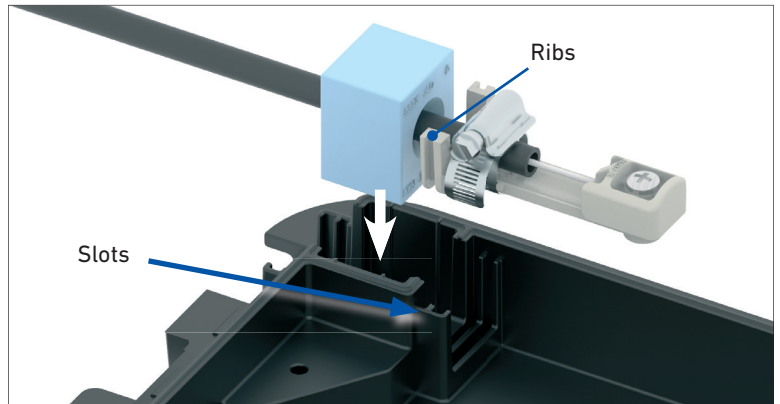
- 20** Install the cap onto the strength member bracket using a screw.
- If using aramid yarn, wrap the braided yarn around the screw before fully tightening the cap to the bracket.



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

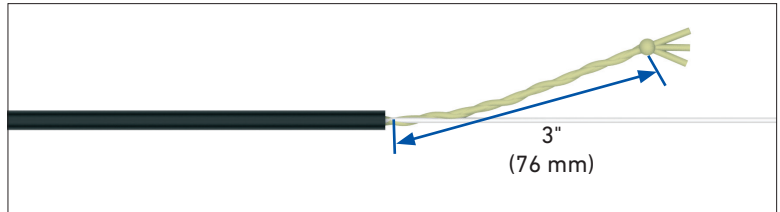


- 22** Insert the strength member bracket into the two retention slots of the base while inserting the grommet into the grommet pocket.

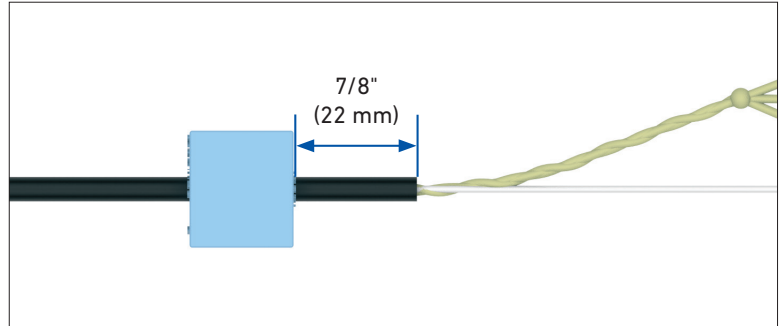


## PREPARING ROUND CABLE WITH ARAMID YARN

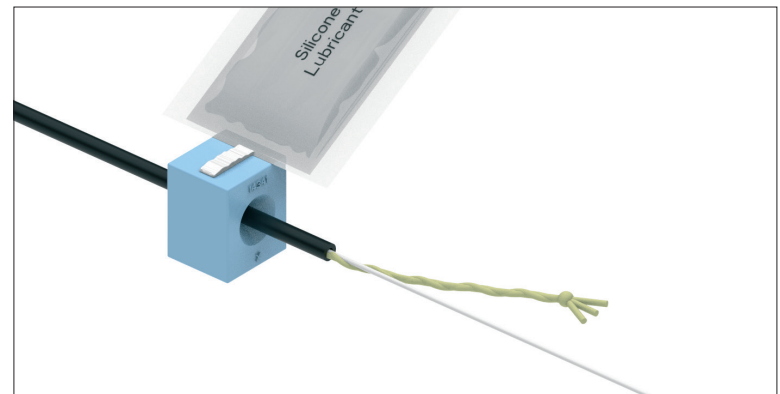
- 23 Braid roughly 3" (76 mm) of the aramid yarn.



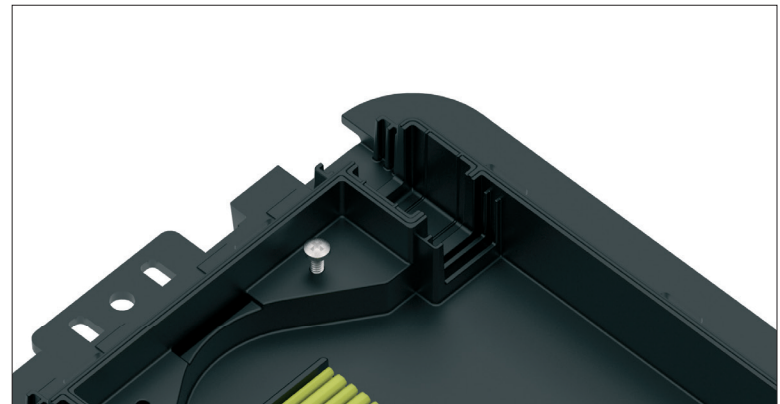
- 24 Position the grommet 7/8" (22 mm) away from the cable sheath opening.



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

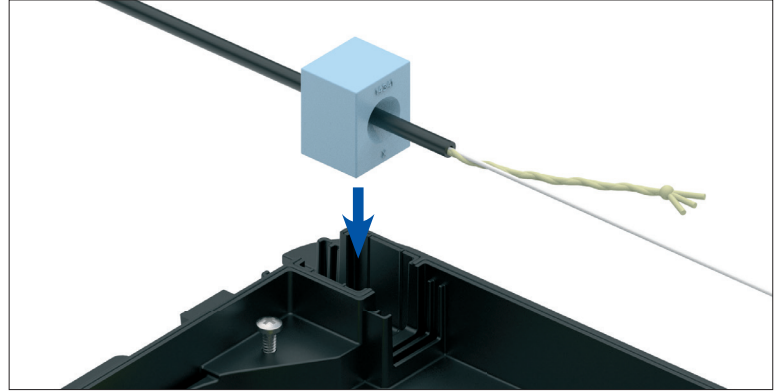


- 26 Install a screw into the base next to the grommet pocket.

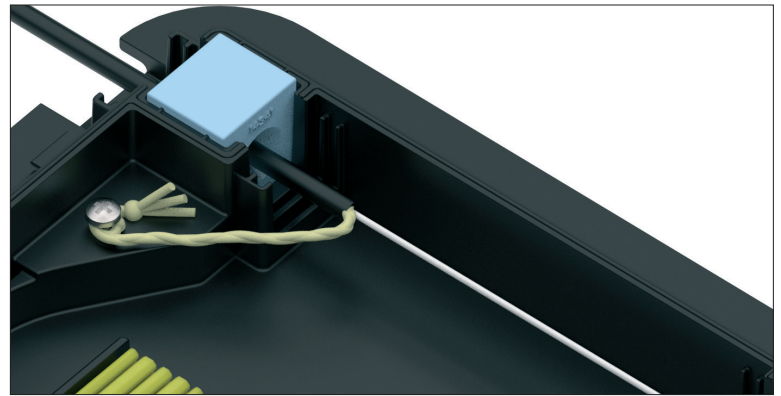




- 27 Install the lubricated grommet into the grommet pocket in the base.

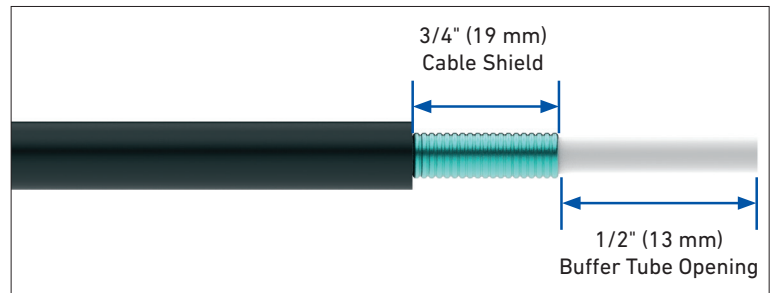


- 28 Wrap the braided aramid yarn around the screw and tighten to secure.



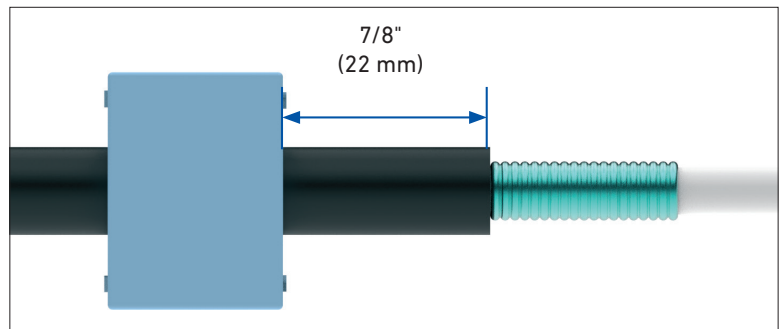
## PREPARING ROUND SHIELDED CABLE

- 29 Remove the cable jacket to expose the cable shield. Trim both the cable shield and buffer tube to the measurements shown.

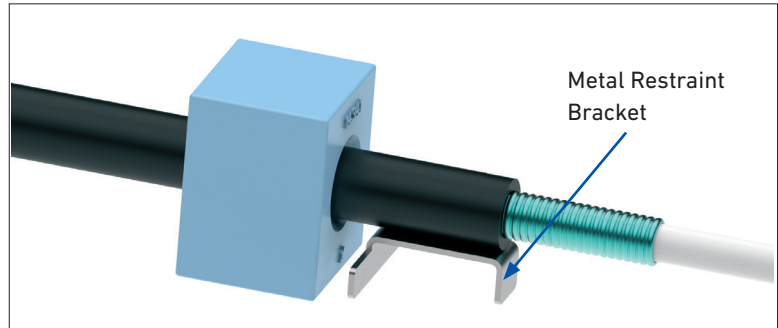


- 30 Position the grommet 7/8" (22 mm) away from the cable sheath opening.

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

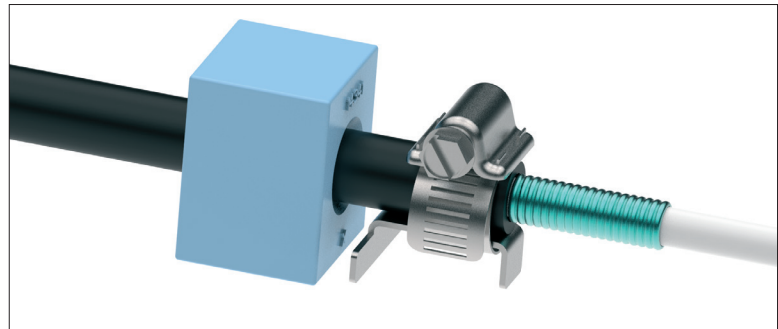


- 31 Align the cable sheath opening with end of the metal restraint bracket.

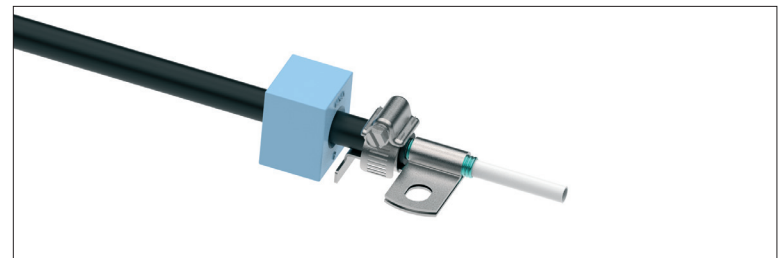


- 32 Secure the cable to the metal restraint bracket with the hose clamp.

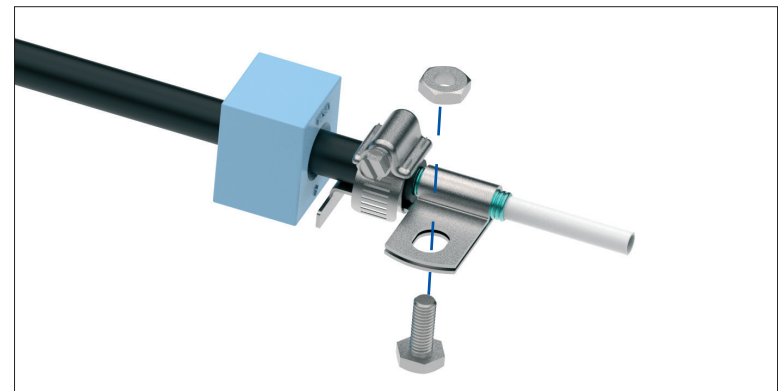
**NOTE:** It is recommended to install the hose clamp with the housing positioned above the cable and with the adjustment screw facing the center of the closure.



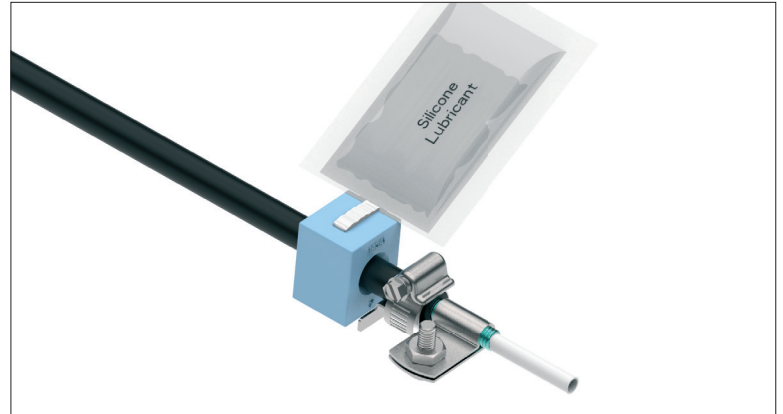
- 33 Install the bond clamp over the exposed cable shield.



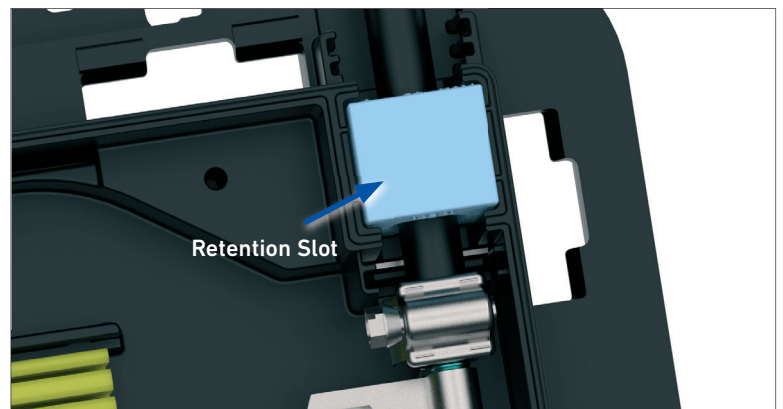
- 34 Install the bond clamp bolt through the bond clamp and loosely secure with a small hex nut.



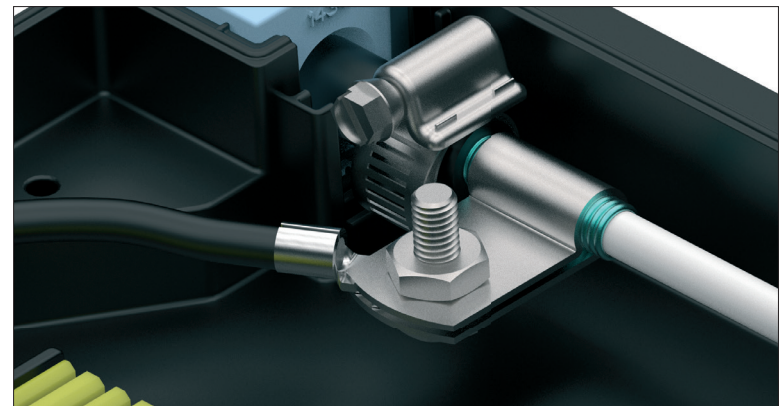
- 35** Lubricate the outer surface of the grommets with the silicone lubricant provided. Spread lubricant evenly around the outer surface of the grommet.



- 36** Install the metal restraint bracket into the retention slot closest to the grommet in the base while inserting the grommet into the grommet pocket.

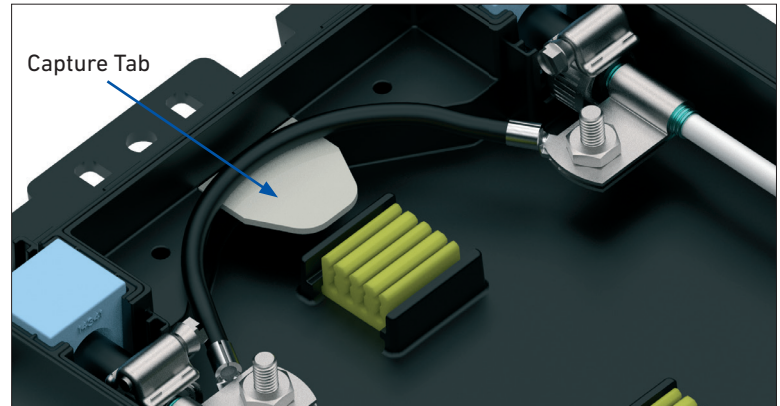


- 37** Insert the bonding jumper between the two halves of the bond clamp and fully secure with the small hex nut.

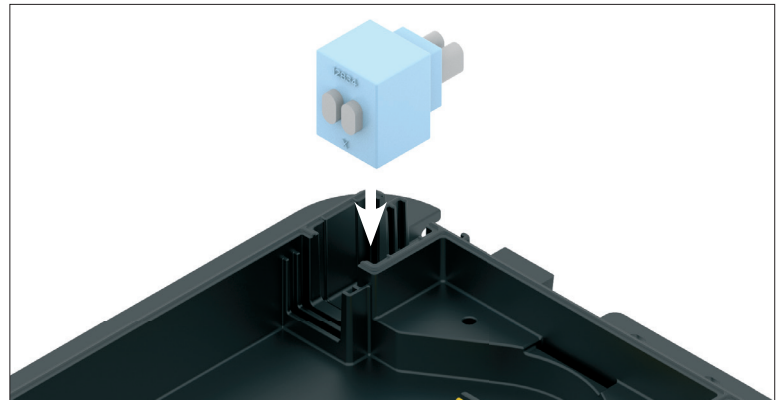


- 38 Install the other end of the bonding jumper to the other installed cable.

**NOTE:** The bonding jumper should rest on top of the capture tab as shown.

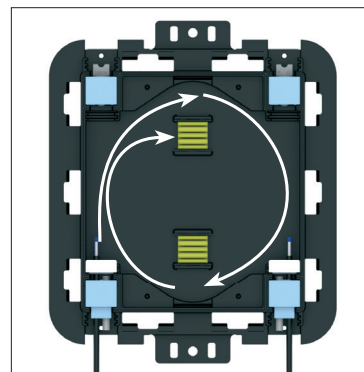


- 39 Install grommets with plugs into any unused grommet ports.

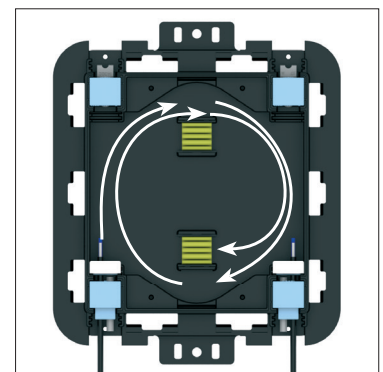


## ROUTING FOR BUTT APPLICATIONS

- 40 Route the incoming fibers as shown.

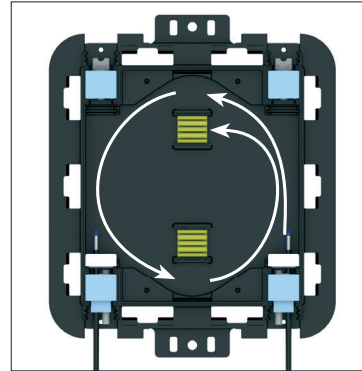


Incoming Fibers 1-8

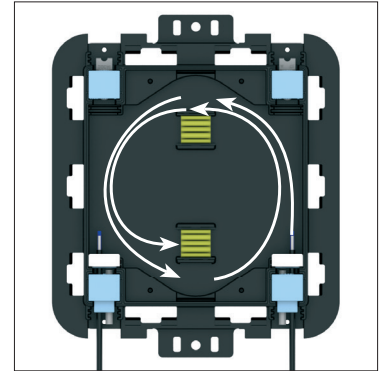


Incoming Fibers 9-16

- 41 Route the outgoing fibers as shown.



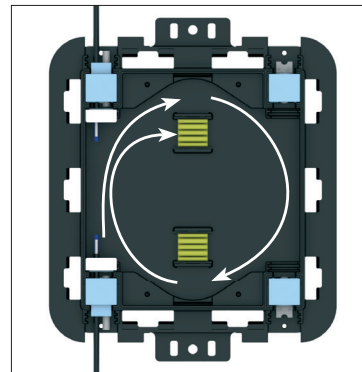
Outgoing Fibers 1-8



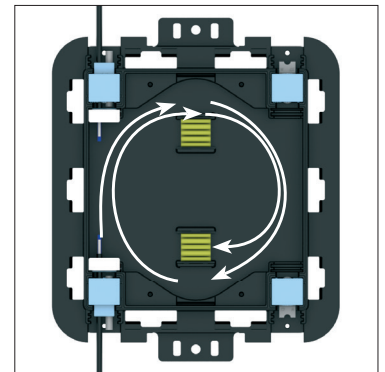
Outgoing Fibers 9-16

## ROUTING FOR IN-LINE APPLICATIONS

- 42 Route the incoming fibers as shown.

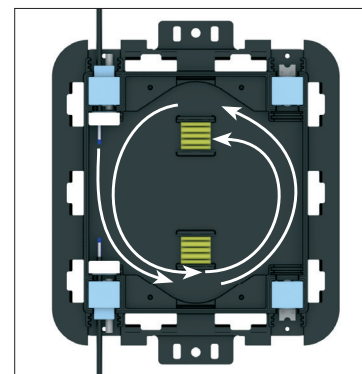


Incoming Fibers 1-8

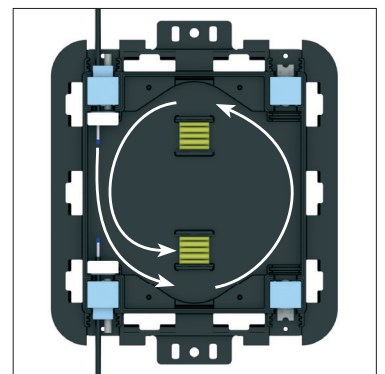


Incoming Fibers 9-16

- 43 Route the outgoing fibers as shown.



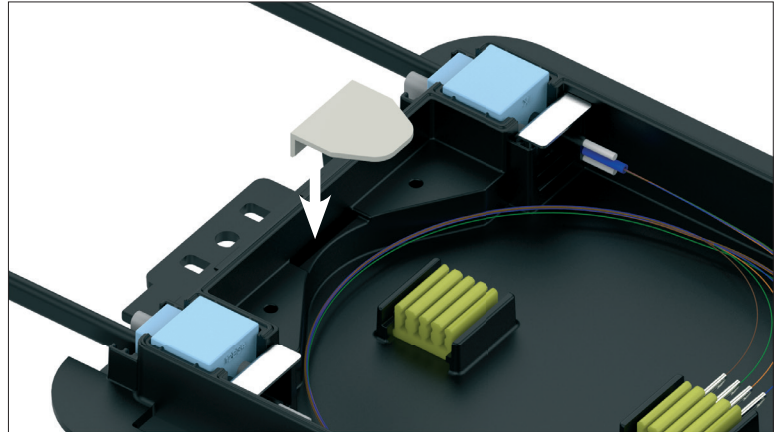
Outgoing Fibers 1-8



Outgoing Fibers 9-16

- 44 Splice fibers per your accepted company practice.

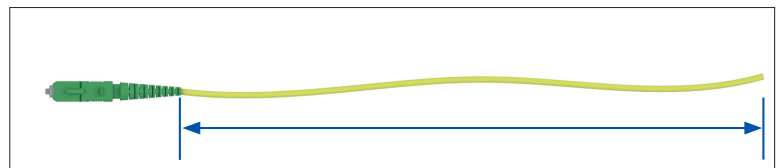
- 45 Install capture tabs into base as shown.



## CROSS-CONNECT APPLICATIONS

- 46 Measure and mark the pigtails to the measurements shown. Remove the pigtail jacket and aramid yarn beyond the mark.

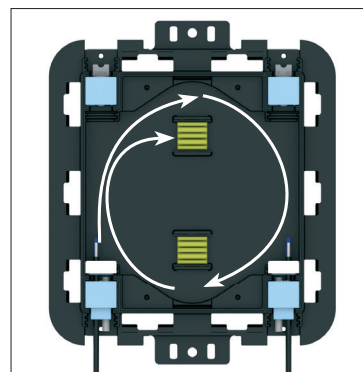
**NOTE:** Measurement is from the end of the connector on the pigtail.



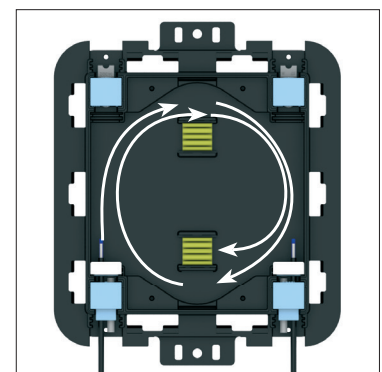
Routing	in (mm)
Incoming Pigtail – 1 & 3	12" (305 mm)
Incoming Pigtail – 2 & 4	11-3/4" (298 mm)
Outgoing Pigtail – 1 & 3	11-3/4" (298 mm)
Outgoing Pigtail – 2 & 4	11-1/2" (292 mm)

## ROUTING FOR BUTT APPLICATIONS

- 47 Route the incoming fibers as shown.

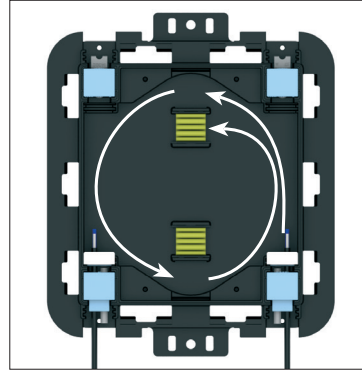


Incoming Fibers 1-8

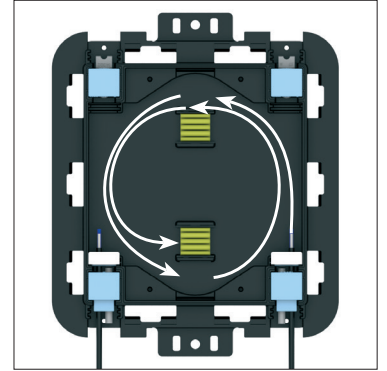


Incoming Fibers 9-16

- 48 Route the outgoing fibers as shown.



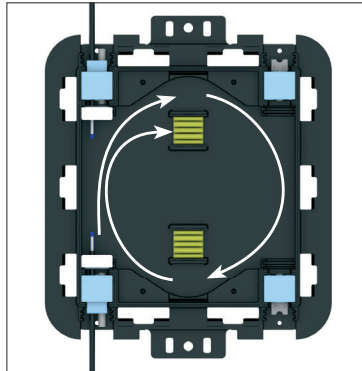
Outgoing Fibers 1-8



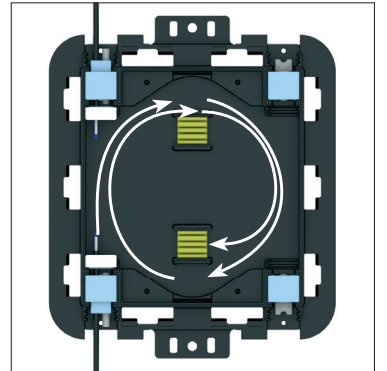
Outgoing Fibers 9-16

## ROUTING FOR IN-LINE APPLICATIONS

- 49 Route the incoming fibers as shown.

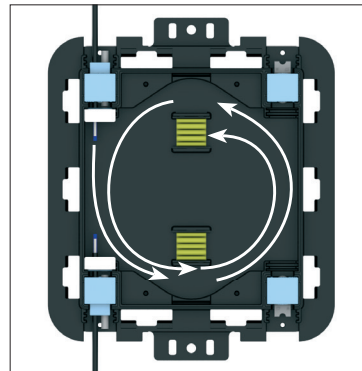


Incoming Fibers 1-8

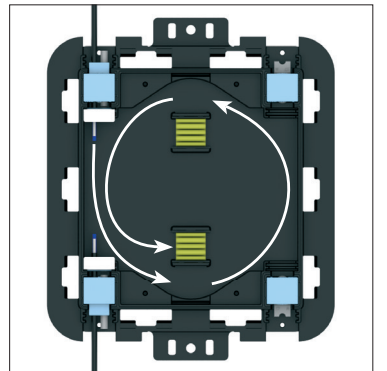


Incoming Fibers 9-16

- 50 Route the outgoing fibers as shown.



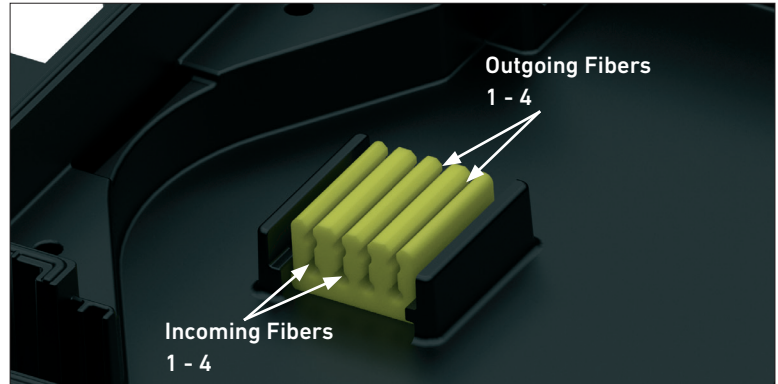
Outgoing Fibers 1-8



Outgoing Fibers 9-16

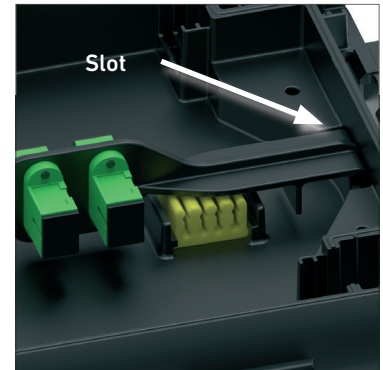
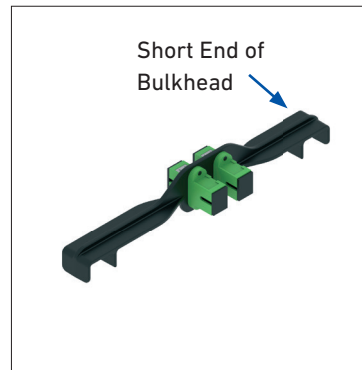


- 51 Fiber positioning on the LITE-GRIP® splice block.

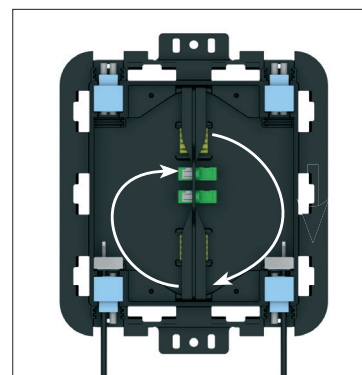


- 52 Splice matching fibers and pigtails per your accepted company practice.

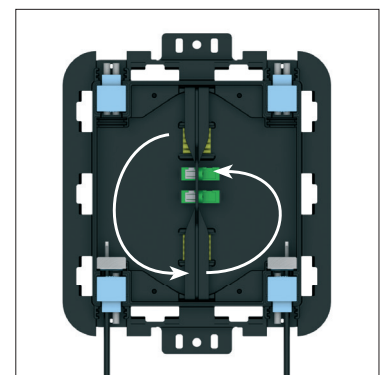
- 53 Position the shorter end of the bulkhead over the splices and install the bulkhead into the capture tabs slots in the base



- 54 Route the incoming and outgoing pigtails to the bulkhead as shown.



Incoming Pigtails

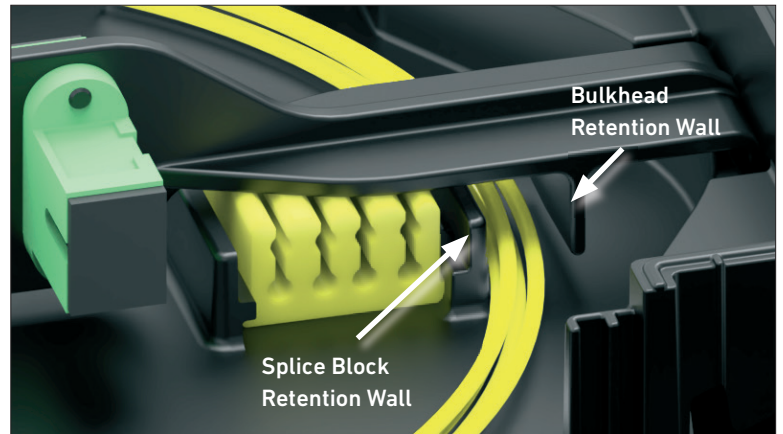


Outgoing Pigtails



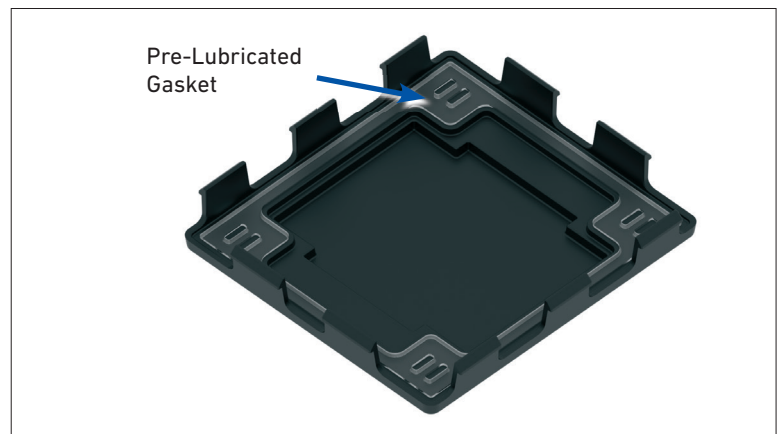
- 55** Make sure to secure the pigtails under the bulkhead between the splice block retention wall and the bulkhead retention wall while routing the pigtails.

**NOTE:** To remove the bulkhead from the base, gently pull up on both ends of the bracket at the same time.

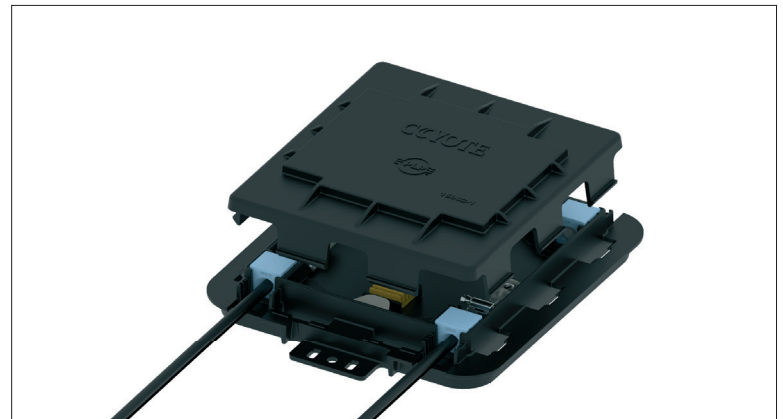


## APPLYING THE COVER

- 56** The gasket on the cover will come pre-lubricated. Prior to applying the cover, ensure that the entire gasket is free of debris.



- 57** Place the cover onto the base and firmly press down.



- 58 Check engagement on all tabs.



## REMOVING THE COVER

- 59 Insert a screwdriver into the slots in the cover and rotate downwards to disengage the tabs. You will need to disengage several tabs to remove the cover.

**NOTE:** Disengaging the corner tabs first will make the removal easier.



- 60 Alternatively, the DTC opening tool (Catalog Number: 80812533) can be used to remove the cover.

Insert the tool into the slots on the sides of the DTC and rotate downwards to disengage the cover tabs from the base.



## MOUNTING OPTIONS

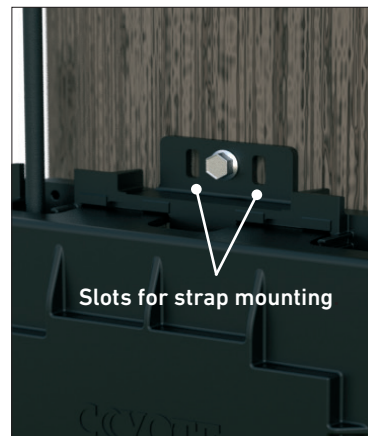
61

Wall/Surface mounting



62

Pole mounting



63

Handholes





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