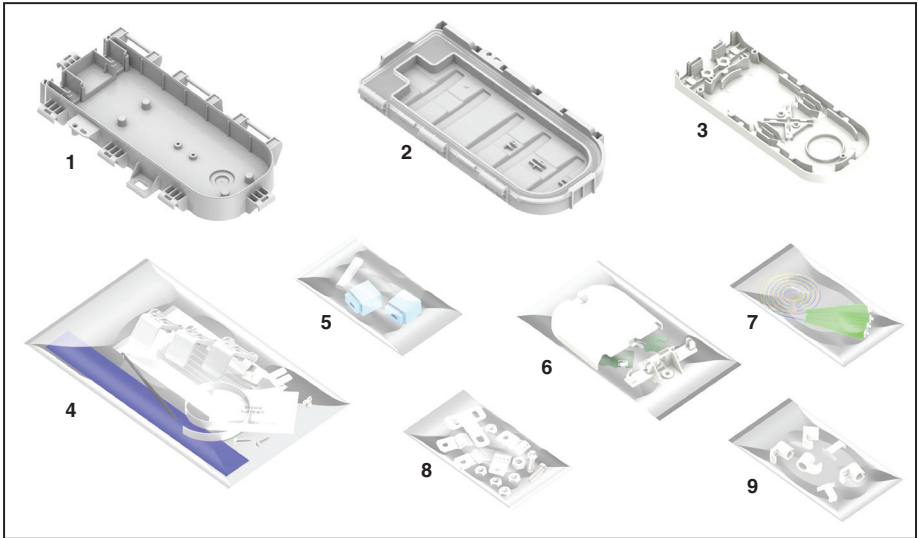# COYOTE® STP (Service Termination Point)

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

NOMENCLATURE

1. Base (1)
2. Cover (1)
3. Splice Platform (1)
4. Small Parts Bag (1)
5. Grommet Kit (1)

OPTIONAL ITEMS

6. Bulkhead Kit (1)
7. Pigtail Kit (1)
8. Bonding Kit (1)
9. Direct Cross-Connect Kit (1)

TOOLS REQUIRED

- 3/8" & 7/16" Can wrench or socket wrench
- Fiber optic cable opening tools
- Phillips Screwdriver
- Snips

PLP Catalog Number	Description
COYOTE STP Kits and Accessories	
STP-GG-1-N-0-N	COYOTE STP Kit – Splice Only: Includes (2) G Grommets
STP-EE-2-N-0-N	COYOTE STP Kit – Splice Only with Bonding: Includes (2) E Grommets
STP-GG-3-1-2-2	COYOTE STP Kit – Cross-Connect: Includes (2) G Grommets, (2) SCAPC Adapters, and (4) 3mm Yellow Jacketed Pigtails
STP-GG-3-1-1-2	COYOTE STP Kit – Cross-Connect: Includes (2) G Grommets, (1) SCAPC Adapters, and (2) 3mm Yellow Jacketed Pigtail
STP-EE-4-1-2-2	COYOTE STP Kit – Cross-Connect with Bonding: Includes (2) E Grommets, (2) SCAPC Adapters, & (4) 3mm Yellow Jacketed Pigtails
STP-HH-5-1-2-N	COYOTE STP Kit – Direct Cross-Connect: Includes (2) H Grommets and (2) SCAPC Adapters
80061322	COYOTE STP Cable Shroud Kit
80061323	COYOTE STP Pedestal Mounting Bracket Kit for Charles Industries PEDLOCK® BD4 and BD5 Buried Cable Pedestals

PEDLOCK® is a registered trademark of Charles Industries Ltd.

General Cable Preparation

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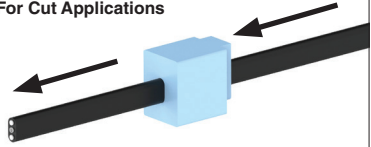

NOTE: The lines on each grommet represent the slit locations for cables expressing fiber or pre-connectorized drop cables.

Small Grommets		Cable Diameter Range
A		SOLID / NO HOLE
B		FOR ROUND DROP DIAMETERS .100" - .154" (2.5 - 3.9 mm)
C		FOR ROUND DROP DIAMETERS .154" - .25" (3.9 - 6.4 mm)
D		FOR ROUND DROP DIAMETERS .25" - .35" (6.4 - 8.9 mm)
E		FOR ROUND DROP DIAMETERS .35" - .389" (8.9 - 9.9 mm)
F		FOR ROUND DROP DIAMETERS .389" - .425" (9.9 - 10.8 mm)
G		FOR FLAT DROP CABLES
H		FOR ROUND DROP DIAMETERS .100" - .123" (2.5 - 3.1 mm)
J		FOR ROUND DROP DIAMETERS .154" - .188" (3.9 - 4.8 mm)

Step #2 Insert each cut cable in the appropriate grommet. If the cable is expressing fiber, slit the grommets as shown below before installing the grommets over the cable. **(See Step #1 for slit locations for each grommet)**

For Cut Applications
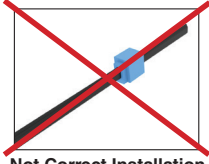

For Expressed Applications

Use Scissors to Slit the Grommet
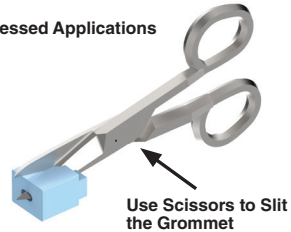
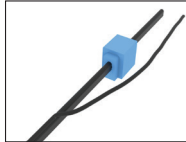**For Expressed Applications**

Slit
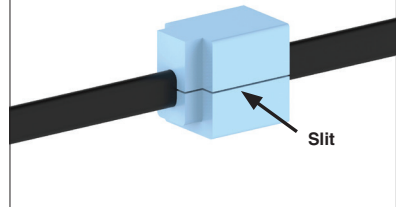
Step #3 If the cable is a figure 8 style cable or has a tracer wire, remove the ground wire or tracer wire from the portion of the cable that will be positioned in the grommet and insert the cable into the grommet.
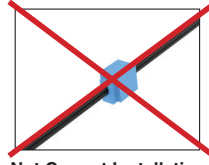
Cable with Tracer Wire
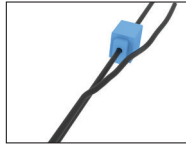

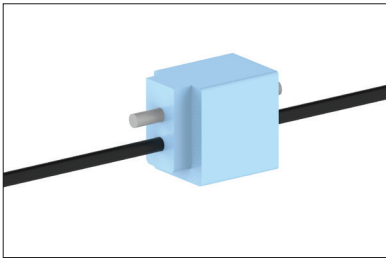**Not Correct Installation** **Correct Installation**
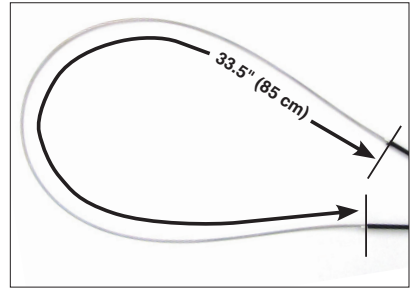
Figure 8 Style Cable

Not Correct Installation **Correct Installation**
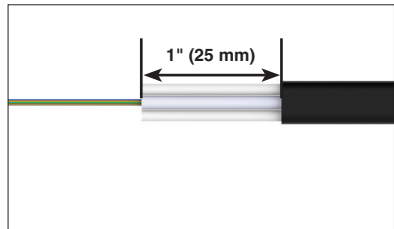
Step #4 Install a plug into any unused hole of each grommet.

Step #5 Measure, mark, and remove the cable sheath for cut cable applications as shown below.

32.5" (83 cm)

Step #6 Measure, mark, and remove the cable sheath for expressed fiber applications as shown below.

33.5" (85 cm)

Preparation of Drop Cables

Flat Drop Cables

Step #7 Trim the strength members and remove the buffer tube 1" (25 mm) away from the sheath opening.
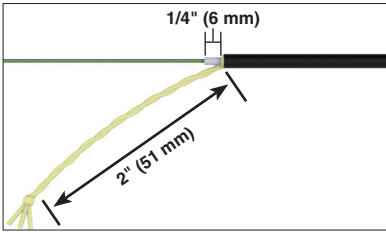

1" (25 mm)

Round Drop Cables without Aramid Yarn

Step #8 Remove the buffer tube 1/4" (6 mm) away from the sheath opening.
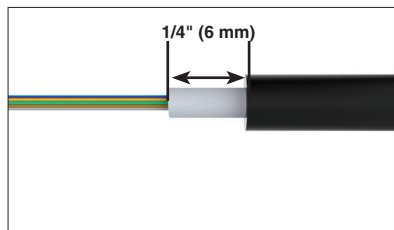

1/4" (6 mm)

Round Drop Cables with Aramid Yarn

Step #9 Remove the buffer tube 1/4" (6 mm) away from the sheath opening. Braid roughly 2" (51 mm) of aramid yarn.


1/4" (6 mm)

2" (51 mm)

Armored Round Drop Cables

Step #10 Remove the armor 1" (25 mm) away from the sheath opening. Remove the buffer tube 1/4" (6 mm) away from the end of the armor. Bend the steel strength members 90 degrees and cut them 3/4" (19 mm) from the bend away from the sheath opening.


3/4" (19 mm)

1/4" (6 mm)

1" (25 mm)
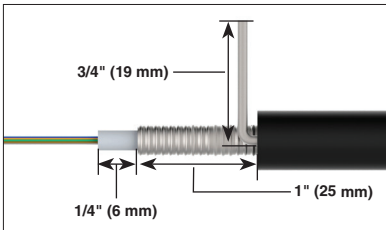
Installation of Flat Drop Cables in the Splice Platform

Step #11 Insert the retention clips into the slots of the platform and gently tap them down until they are completely installed in the slot.
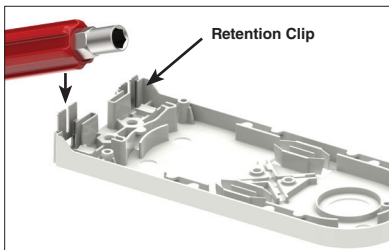
Retention Clip

Step #12 While angling the drop cable, insert one of the strength members of the cable in the retention pocket of the platform and rotate the cable 90 degrees. Make sure the strength member stays in the pocket while rotating the cable.

**Strength Member Retention Pockets**
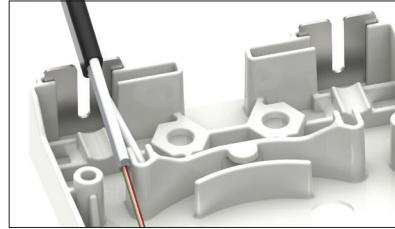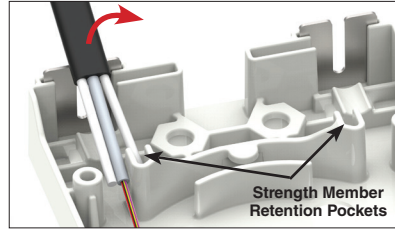
Step #13 Push the other strength member into the retention pocket and push the drop cable down into the retention clip. Make sure the buffer tube stays outside of the retention pocket while moving the strength member.
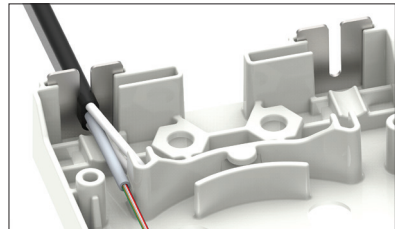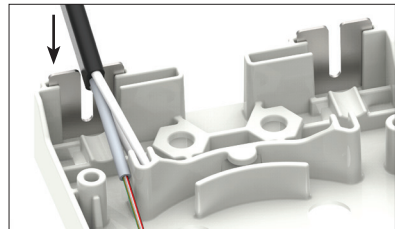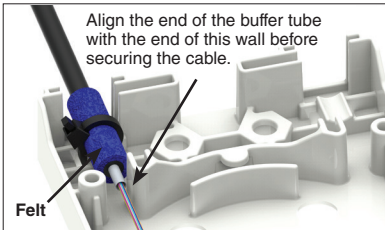
Installation of Round Drop Cables without Aramid Yarn in the Splice Platform

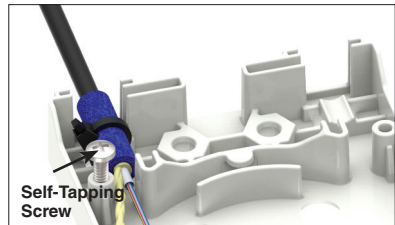**Step #14** Install a tie wrap under the cable retention tab of the platform.

Cable Retention Tabs
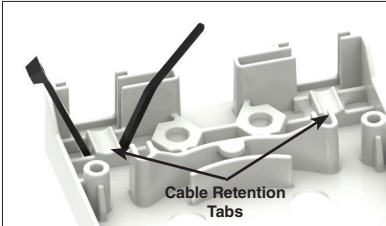
Step #15 Wrap the end of the cable with a piece of felt and secure the cable to the retention tab with the tie wrap.
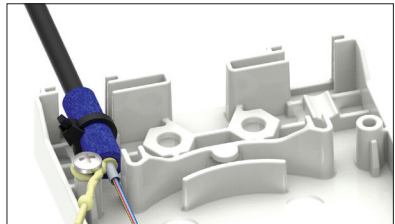
Align the end of the buffer tube with the end of this wall before securing the cable.

Felt

Installation of Round Drop Cables with Aramid Yarn in the Splice Platform

Step #16 Install a tie wrap under the cable retention tab of the platform.

Cable Retention Tabs

Step #17 Wrap the end of the cable with a piece of felt and secure the cable to the retention tab with the tie wrap.

Align the end of the buffer tube with the end of this wall before securing the cable.

Felt
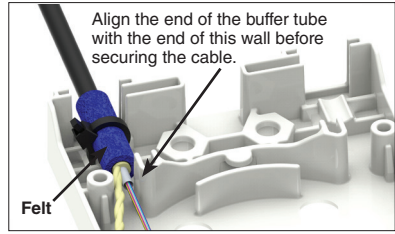
Step #18 Install a self-tapping screw halfway in the boss next to the cable.

Self-Tapping Screw

Step #19 Wrap the braided aramid yarn clockwise around the threads of the screw and tighten the screw down.

## Installation of Round Armored Drop Cables in the Splice Platform

Step #20 Place a bolt through the bottom of the platform and place one of the bonding clamp halves on the bolt as shown below.

Make sure the head of the bolt seats in the hex pocket of the platform
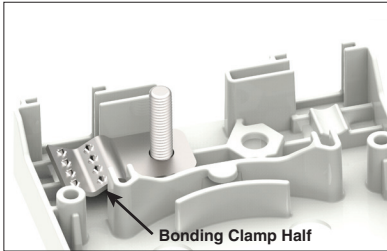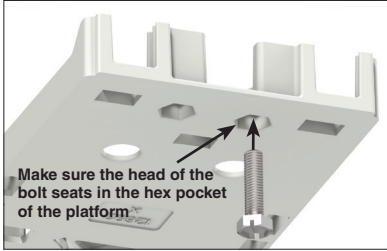
Bonding Clamp Half

Step #21 Position the bent steel strength members of the armored drop cable into the side retention pocket of the platform.
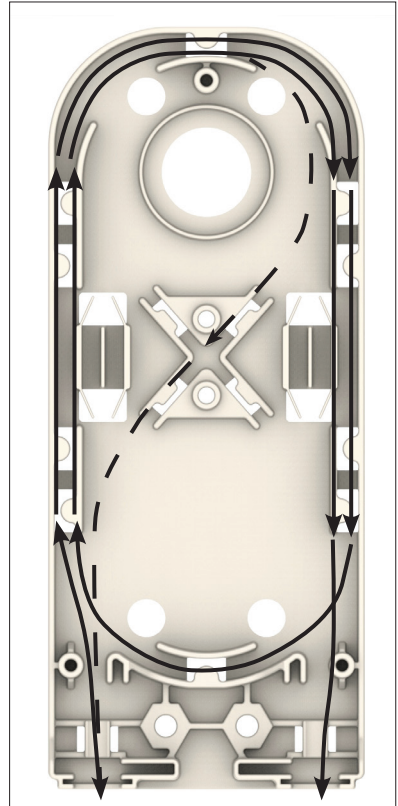

Side Retention Pockets
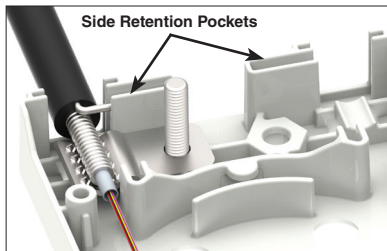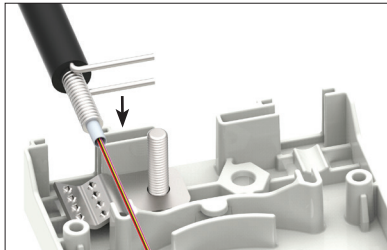
Step #22 Place the other half of the bonding clamp on the bolt as shown below. Install a small hex jam nut on the bolt and tighten the nut to secure the cable.

Small Hex Jam Nut
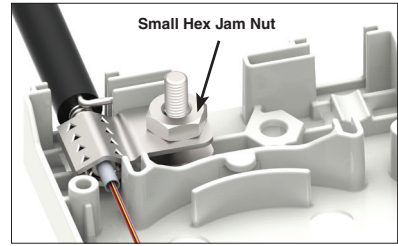
Fiber Routing in the Platform

Step #23 Route expressed fibers.

Straight Splice Applications

Step #24 Route the incoming fibers.
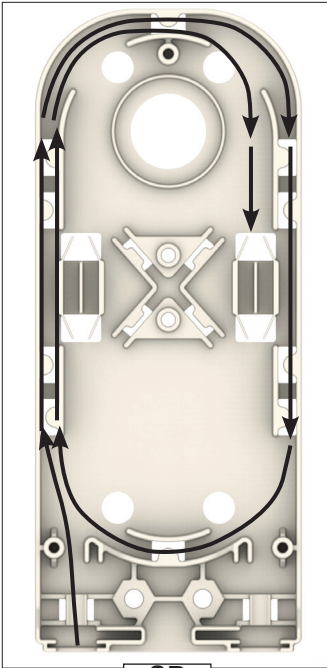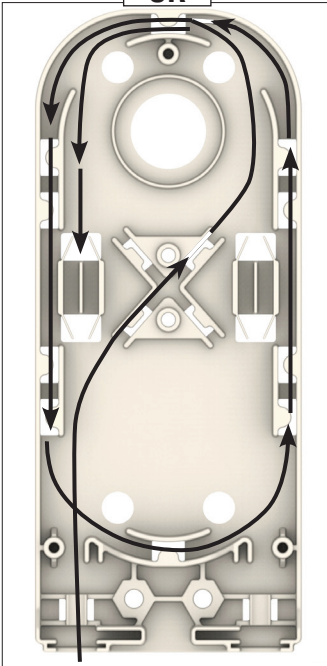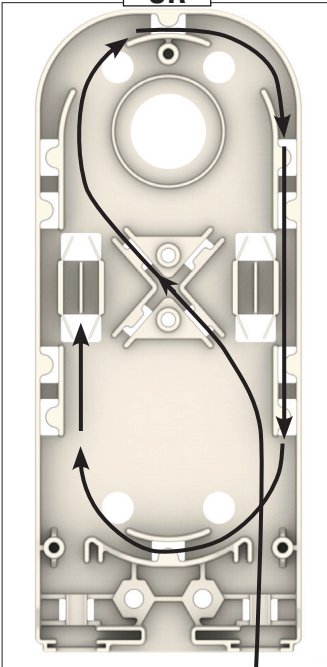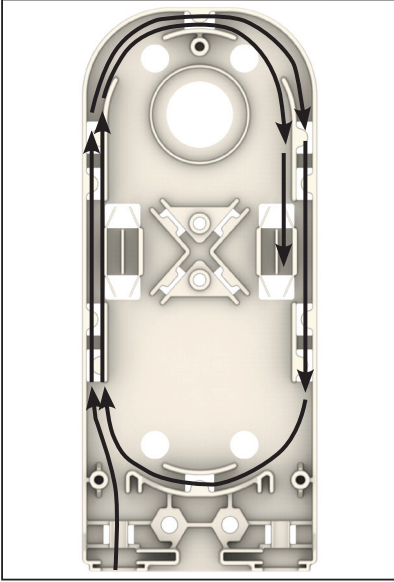
Step #25 Route the outgoing fibers.

OR
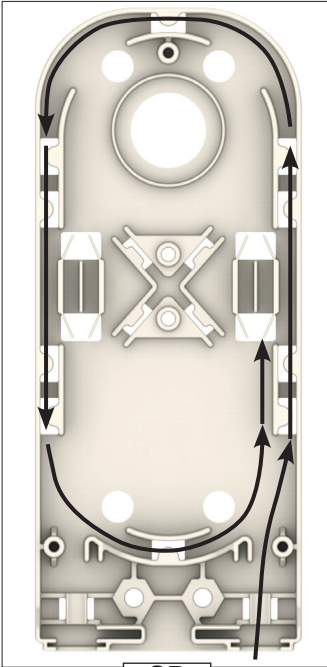
OR

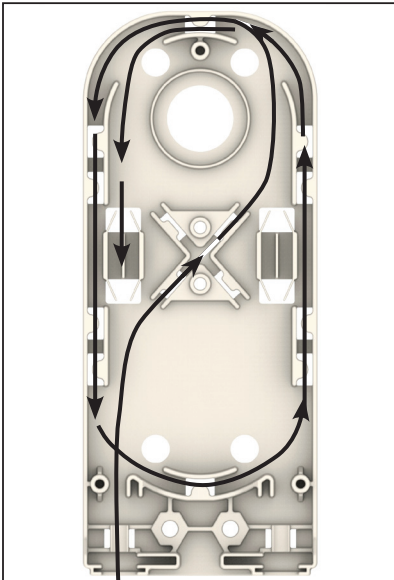**Step #26** Splice the incoming fibers to the out-going fibers per your accepted company practice.

Standard Cross-Connect Applications

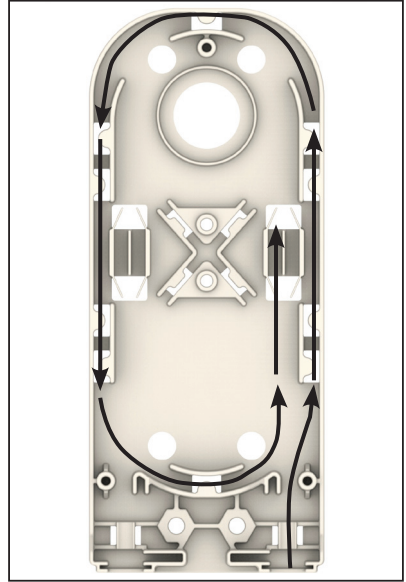**Step #27** Route the incoming fibers.
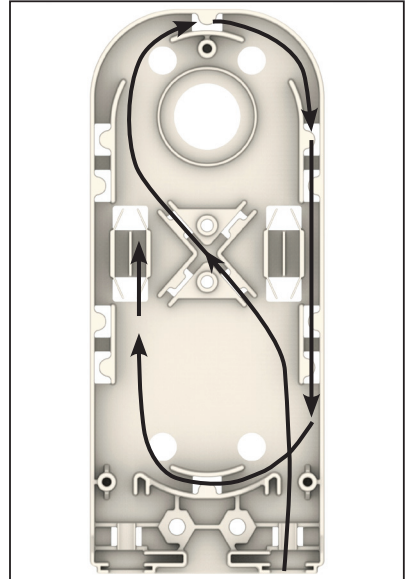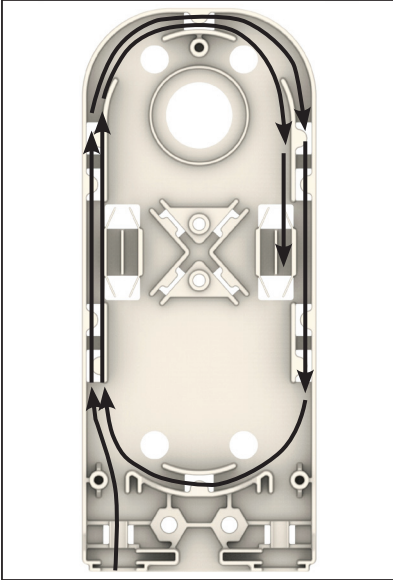
Incoming Fiber 1

Incoming Fiber 2

Step #28 Route the outgoing fibers.
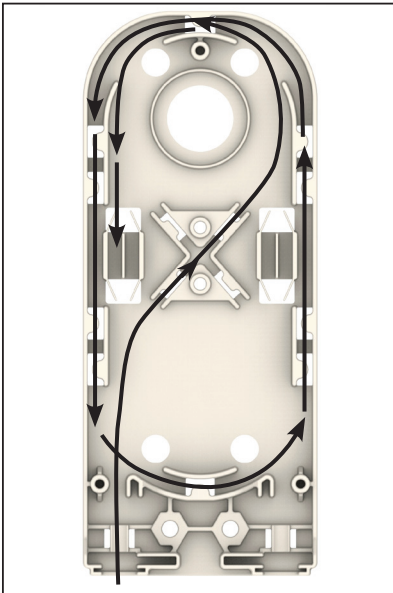
Outgoing Fiber 1

Outgoing Fiber 2

NID Applications

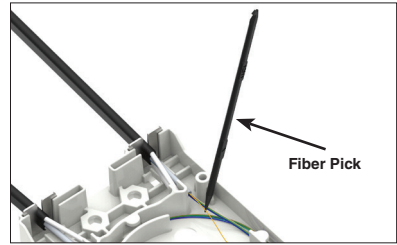**Step #29** Route the incoming fibers.

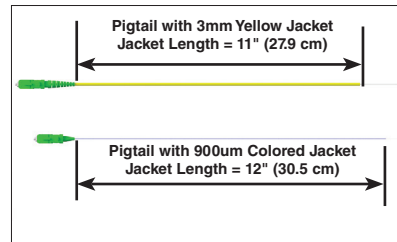### Incoming Fiber 1

Incoming Fiber 2

NOTE: If needed, a fiber pick is included to help maneuver the fibers into the routing channels of the platform.

Fiber Pick

Preparation and Routing of Pigtails for Cross-Connect Applications

Step #30 Measure and mark the jacket of the pigtail(s) as shown below. Remove the jacket of the pigtail(s) beyond the marked location.

Pigtail with 3mm Yellow Jacket
Jacket Length = 11" (27.9 cm)

Pigtail with 900um Colored Jacket
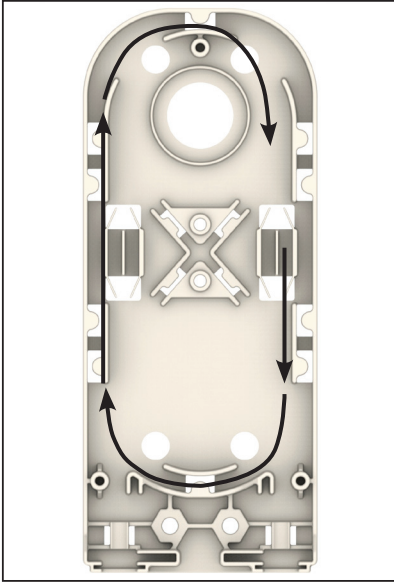**Jacket Length = 12" (30.5 cm)**

Step #31 Splice the incoming fiber(s) to the incoming pigtail(s) and the outgoing fiber(s) to the outgoing pigtail(s) per your accepted company practice.
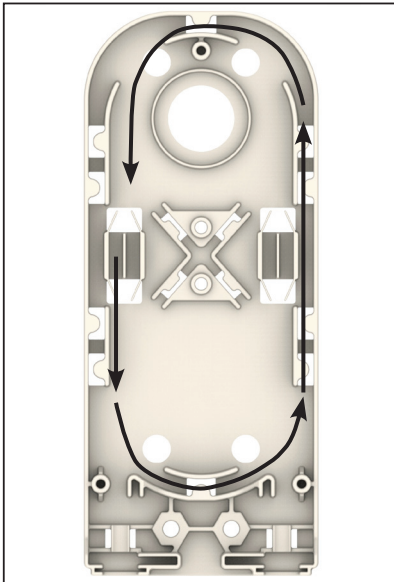
Standard Cross-Connect Applications

Step #32 Route the incoming pigtail(s) in the platform from the splice to the bulkhead location.
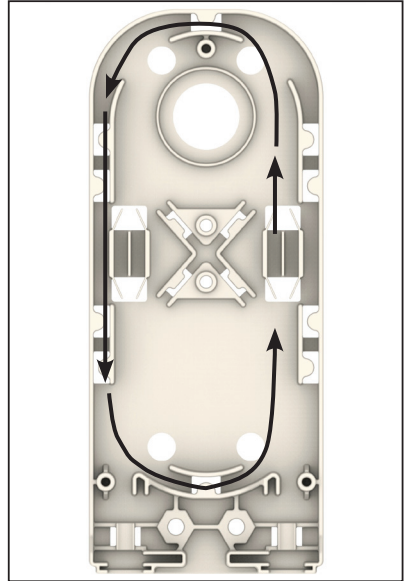
Routing for 1st Incoming Pigtail

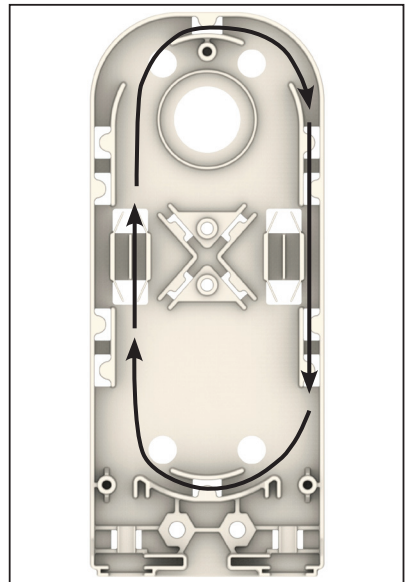### Routing for 2nd Incoming Pigtail

Step #33 Route the outgoing pigtail(s) in the platform from the splice to the bulkhead location.
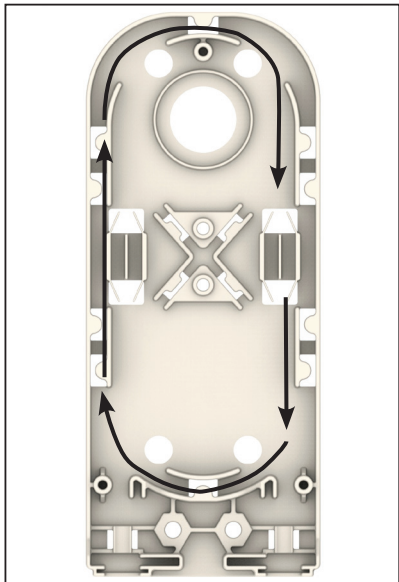
Routing for 1st Outgoing Pigtail
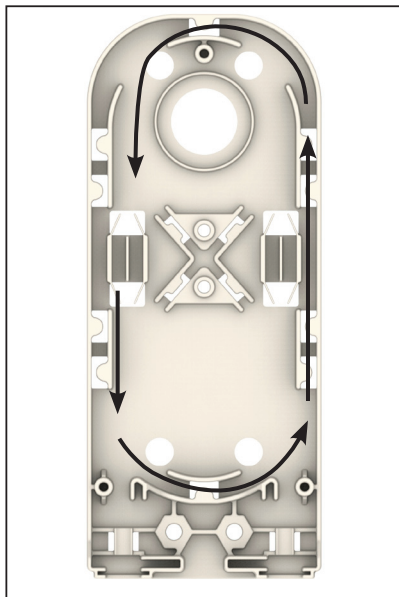

Routing for 2nd Outgoing Pigtail

10

NID Applications

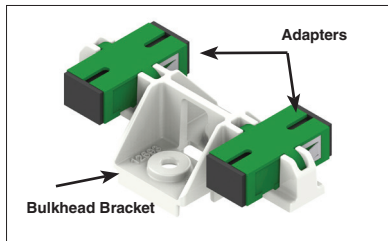**Step #34** Route the incoming pigtail(s) in the platform from the splice to the bulkhead location.

Routing for 1st Incoming Pigtail
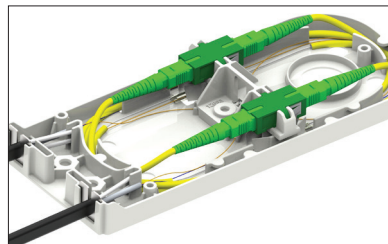

Routing for 2nd Incoming Pigtail

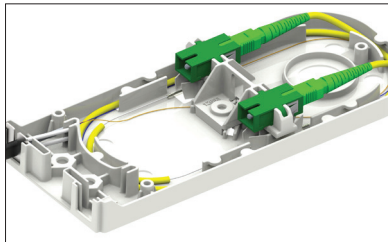**Step #35** Install the adapter(s) into the bulkhead bracket.

Adapters

Bulkhead Bracket

Step #36 Place the bulkhead bracket onto the platform and insert the pigtail connector(s) into the adapter(s).
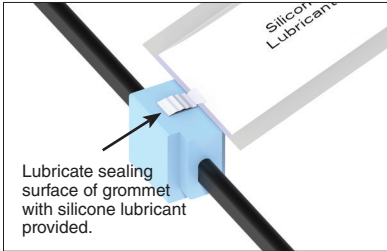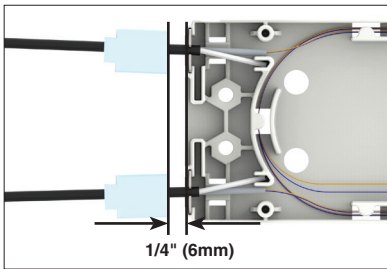
Standard Cross-Connect

NID

Installation of Splice Platform into the Base

Step #37   Lubricate all four outer surfaces of each grommet. Once the lubricant has been applied, smear it to provide a light coating on each surface.


Lubricate sealing surface of grommet with silicone lubricant provided.

Step #38   Adjust each grommet so that they are positioned 1/4" (6 mm) from the platform.


1/4" (6mm)

Standard Straight Splice and Cross-Connect Applications

Step #39   Place the platform onto the posts located in the base while inserting the grommets into the grommet pockets of the base.
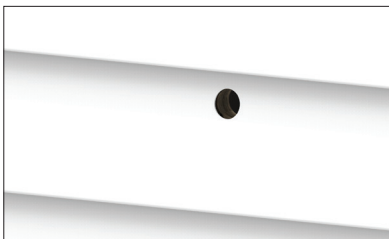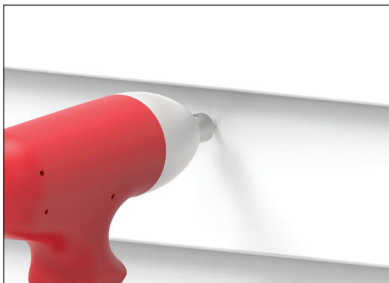

Posts

Grommet Pockets
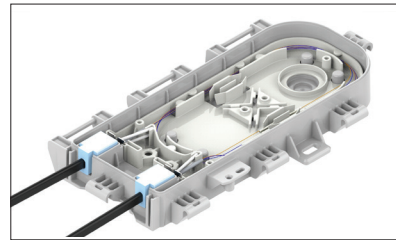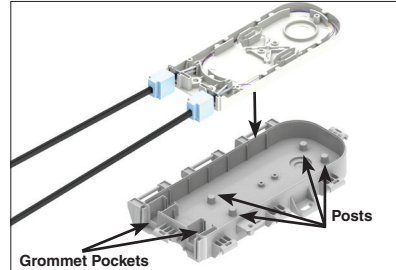
Step #40   Secure the platform to the base with the self-tapping screws that are provided as shown below.

Splice Only Platform

Self-Tapping Screws

Cross-Connect Platform
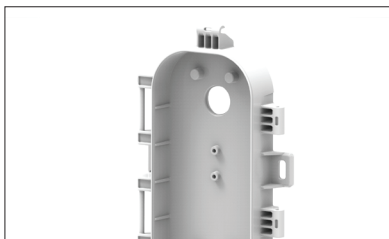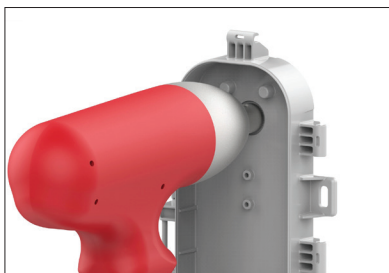
Self-Tapping Screws
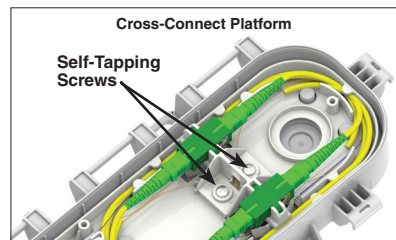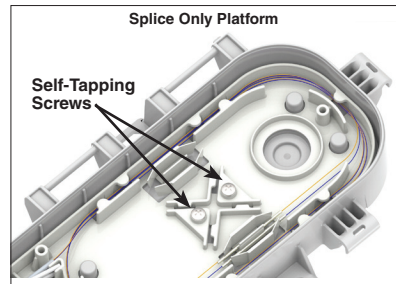
NID Applications

Step #41 Using a hole saw, drill a 7/8" (22 mm) hole through the outside wall of the house/building/structure as shown below.


Step #42 Using a hole saw, drill a 7/8" (22 mm) hole through the pass through port of the base.


Step #43 For applications where conduit will be used, make sure that the conduit is no larger than .840" (21 mm) O.D. While installing the conduit make sure to adjust the conduit so that when the base is installed on the wall the threaded portion of the conduit protrudes 1/4" (6 mm) through the base.

1/4" (6mm)
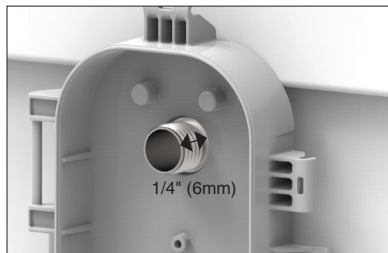
Step #44 Place sealant around the pass through port on the back of the base per your standard company practice.
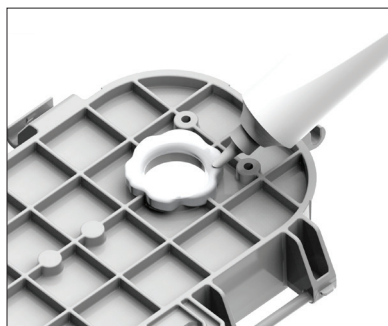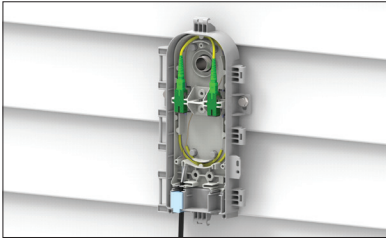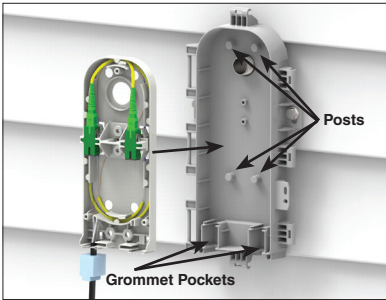

Step #45 Align the pass through port with the hole or conduit in the wall and mount the base to the wall of the house/building/structure with screws or bolts (not provided). **IMPORTANT NOTE: If cable bonding/grounding is required, see Step 54 prior to securing the base to the wall.**
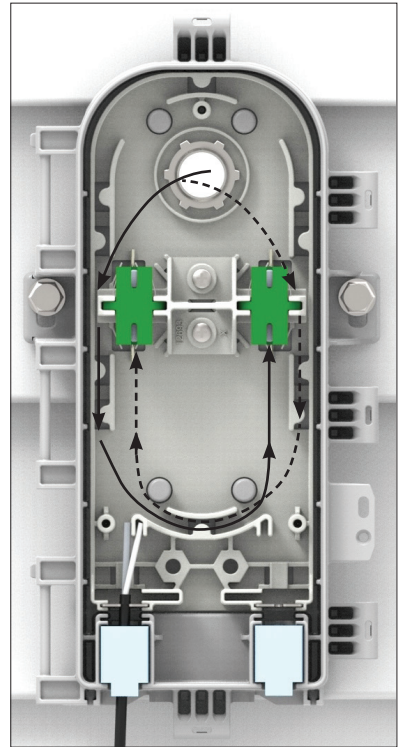

Mounting Tab

Mounting Tab
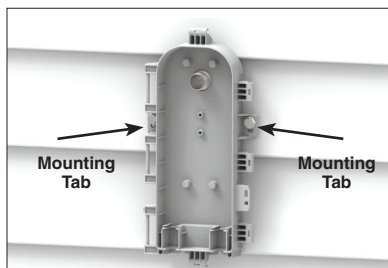
Step #46 Place the platform onto the posts located in the base while inserting the grommet(s) into the grommet pocket(s) of the base.

Posts

Grommet Pockets

Step #47 Secure the platform to the base with the self-tapping screws that are provided as shown below.

Self-Tapping Screws

Step #48 For applications where conduit is used, secure the conduit to the base with a lock nut (not provided).
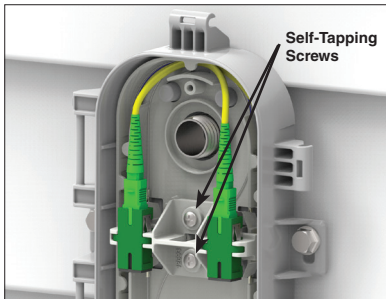
Lock Nut

Step #49 If only one cable is entering the closure, then lubricate (Step 37) and insert either a grommet with a plug or a solid grommet into the empty grommet pocket.
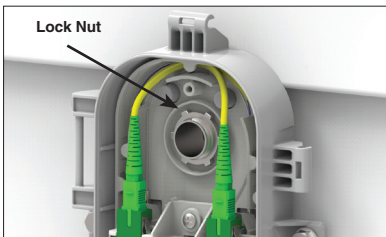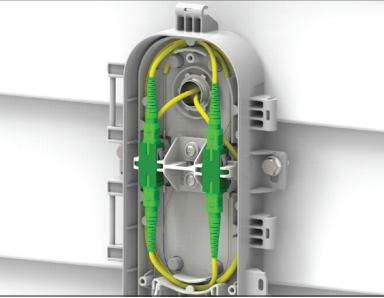

Solid Grommet
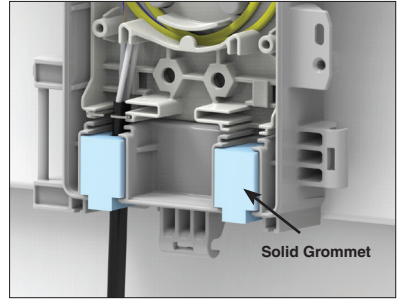
**Step #50** Route the outgoing pigtails in the platform.

**Step #51** Insert the connectors of the outgoing pigtails into the adapters of the bulkhead.

Installation of Bulkhead Shroud onto the Platform (Standard Cross-Connect and NID Applications)

OPTIONAL STEP: Angle the shroud and place the tab of the shroud in the slot of the bulkhead. Rotate the shroud downward and secure the shroud to the platform with a self-tapping screw.


Shroud Tab

Slot in Bulkhead

Self-Tapping Screw
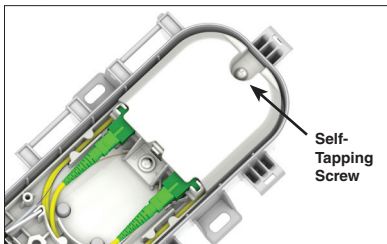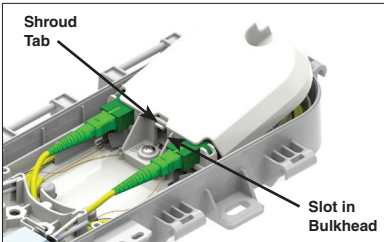
Bonding Armored Drop Cables

Step #52 Remove the protective cap from the ground stud. Place the bonding bracket on the bonding clamp bolt(s) and the ground stud of the base. Secure the bracket to each bonding clamp bolt with a small hex jam nut.

Ground Stud

Bonding Bracket

Small Hex Jam Nuts
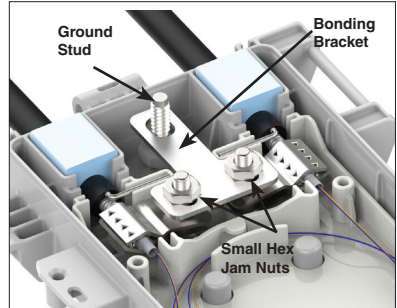
**Step #53** Secure the bonding bracket to the ground stud with the large hex nut.
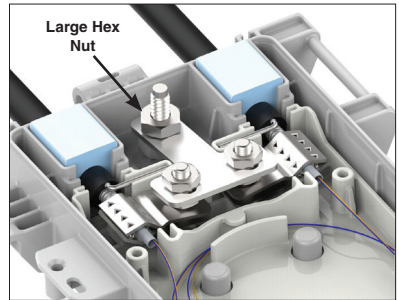
Large Hex Nut

Step #54 Attach a ground wire to the ground stud with the large hex jam nut and ground per your standard company practice.
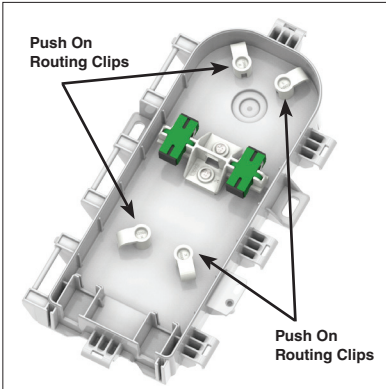

Large Hex Jam Nut
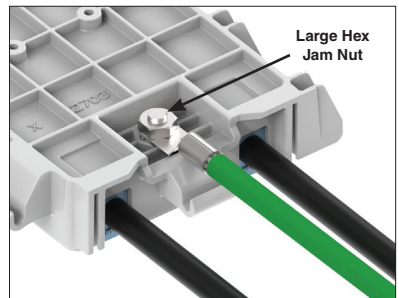
Direct Cross-Connect Applications

Step #55 Install the adapter(s) into the bulkhead bracket and secure the bulkhead bracket to the base with the self-tapping screws that are provided.

Self-Tapping Screws
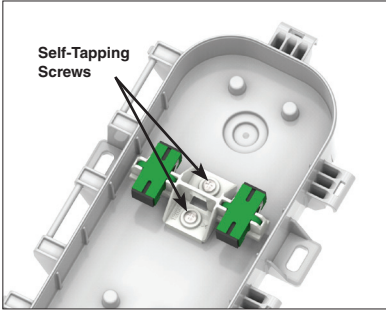
Step #56 Install the push on routing clips onto the posts of the base as shown below.

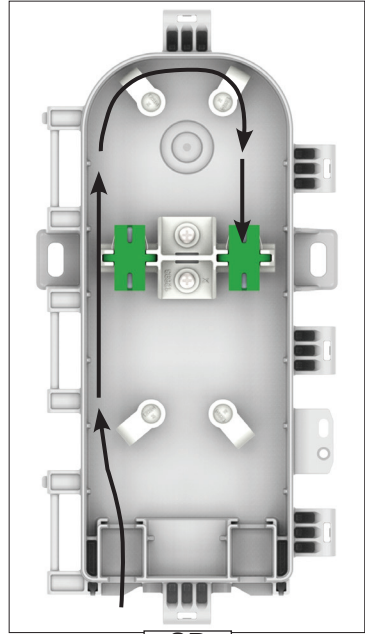**Push On Routing Clips**

Push On Routing Clips

Step #57 For NID applications follow **Steps 41–45**. If conduit is used, secure the conduit directly to the base with a lock nut (not provided).
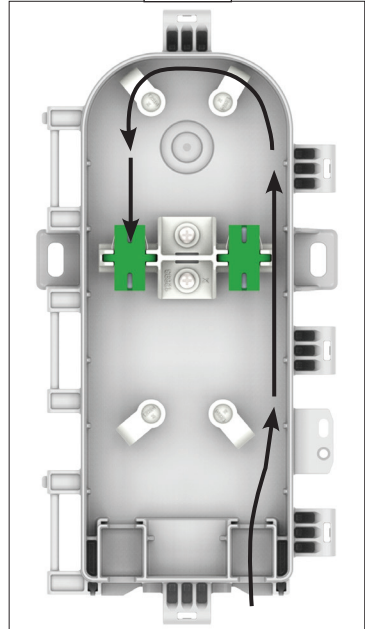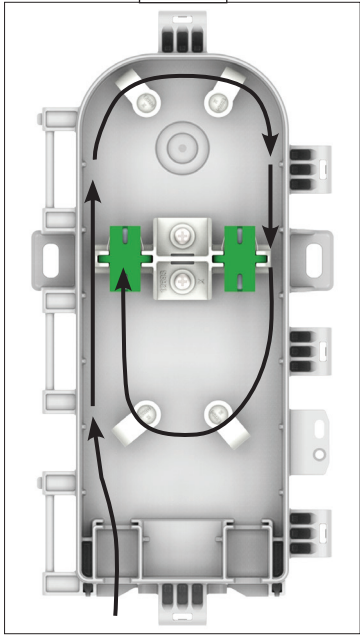
Lock Nut
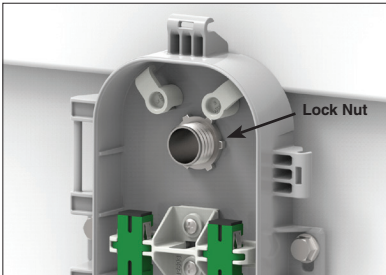
Cable Routing for Standard Application

Step #58 Route the incoming cable(s) in the platform and install the connector into the adapter.

OR

Step #59 Route the outgoing cable(s) in the platform and install the connector into the adapter.
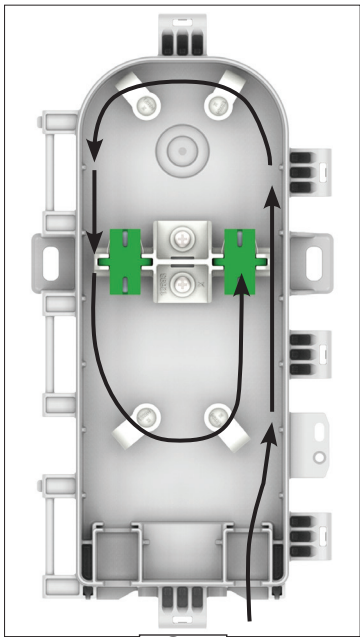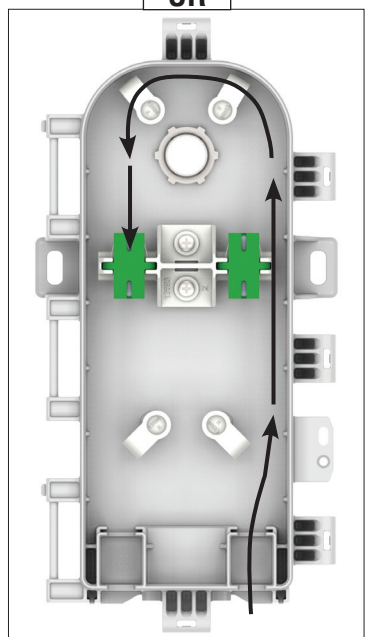

OR

Step #60 Route the incoming cable(s) in the platform and install the connector into the adapter.

OR
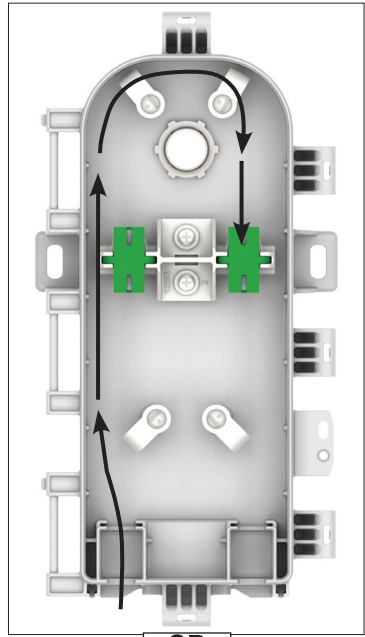
Step #61 Route the outgoing cable(s) in the platform and install the connector into the adapter.
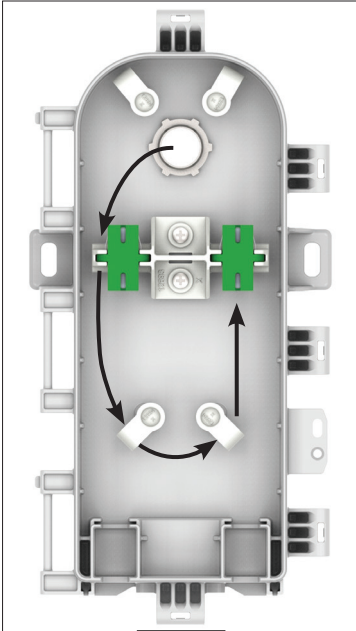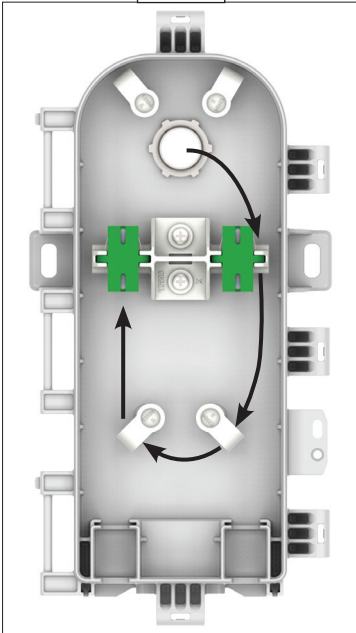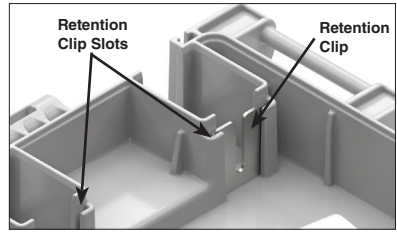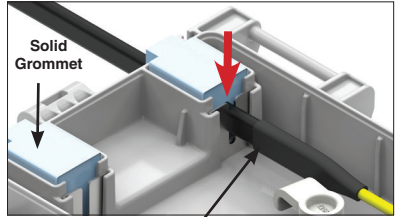

OR

Flat Drop Cables

Step #62 Place the retention clip(s) into the retention clip slot(s) of the base.

Retention Clip Slots

Retention Clip

Step #63 Lubricate the grommet(s) (See Step 37) and place them into the grommet pocket(s). If there is an empty grommet pocket, make sure to install a grommet with a plug or a solid grommet in it. Push the cable(s) into the retention clip(s) while inserting the grommet(s) into the pocket(s).
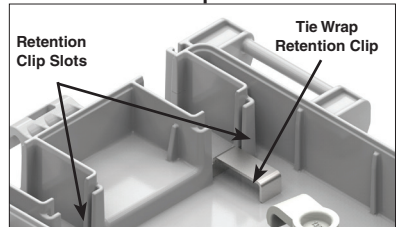
Solid Grommet

The end of the cable heat shrink should be positioned at least 1/2" (13 mm) away from the grommet.
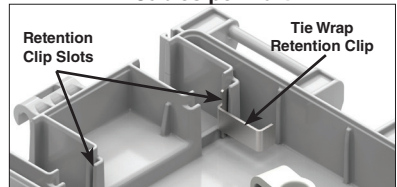
Round Drop Cables

Step #64 Place the tie wrap retention clip(s) into the retention clip slot(s) of the base as shown below.
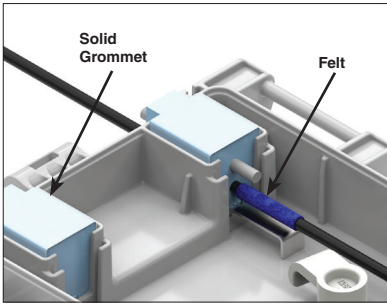
1 Cable per Port

Retention Clip Slots

Tie Wrap Retention Clip

2 Cables per Port

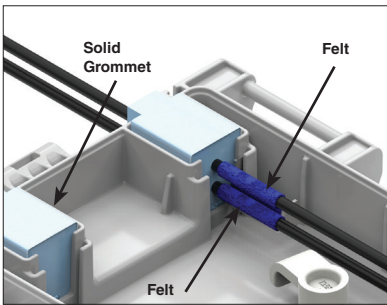Retention Clip Slots

Tie Wrap Retention Clip

Step #65 Lubricate the grommet(s) (See Step 37) and place them into the grommet pocket(s). If there is an empty grommet pocket, make sure to install a grommet with a plug or a solid grommet in it. Adjust the cable(s) as needed before placing a piece of felt around the cable(s) where the tie wrap retention clip is located.
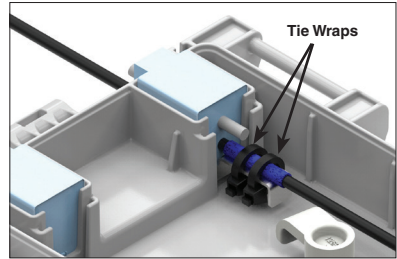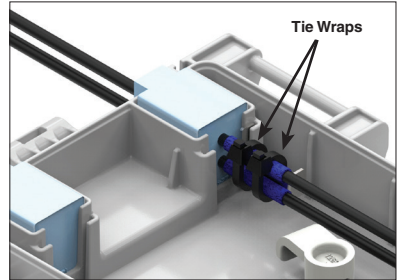
1 Cable per Port

Solid Grommet

Felt

2 Cables per Port

Solid Grommet

Felt

Felt

Step #66 Secure the cable(s) to each retention clip with tie wraps.
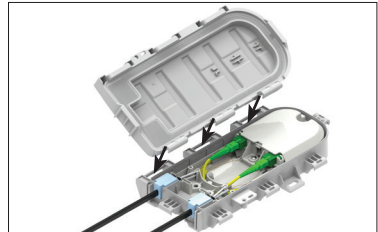
1 Cable per Port

Tie Wraps
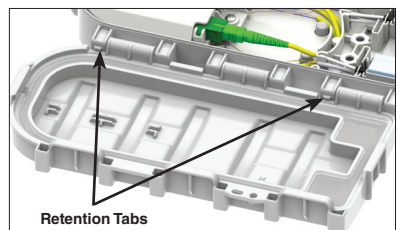
2 Cables per Port

Tie Wraps

Installation of the Cover and Latches

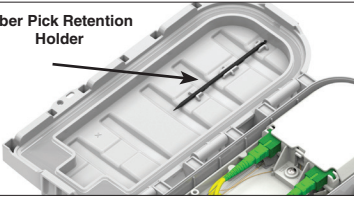**Step #67** Angle the cover and install the hinges of the cover onto the hinge posts of the base.

Step #68 To lock the cover in the open position, rotate the cover until the retention tabs of the base snap over the edge of the cover.
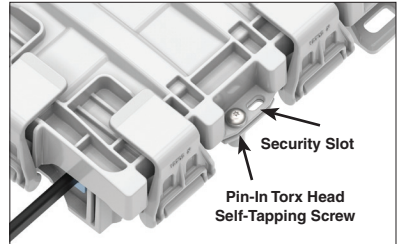
Retention Tabs

Step #69 Store the fiber pick in the holder of the cover.

Fiber Pick Retention Holder

Step #70 Install the latches onto the base and rotate the cover to the closed position. Secure the cover by pressing down on it while rotating the latches until they snap in place over the cover.
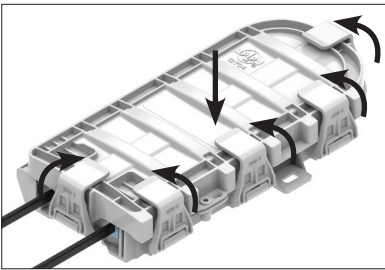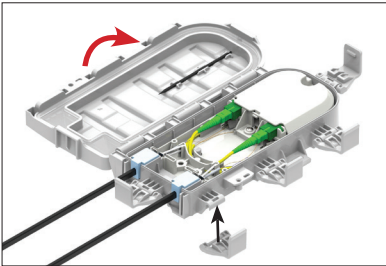

Step #71 Secure the cover to the base with the pin-in torx head self-tapping screw that is provided or use the security slot to use some other method that follows your standard company practice.

Security Slot

Pin-In Torx Head Self-Tapping Screw

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.

For proper performance and personal safety, be sure to select the proper size PREFORMED™ product before application.

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

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