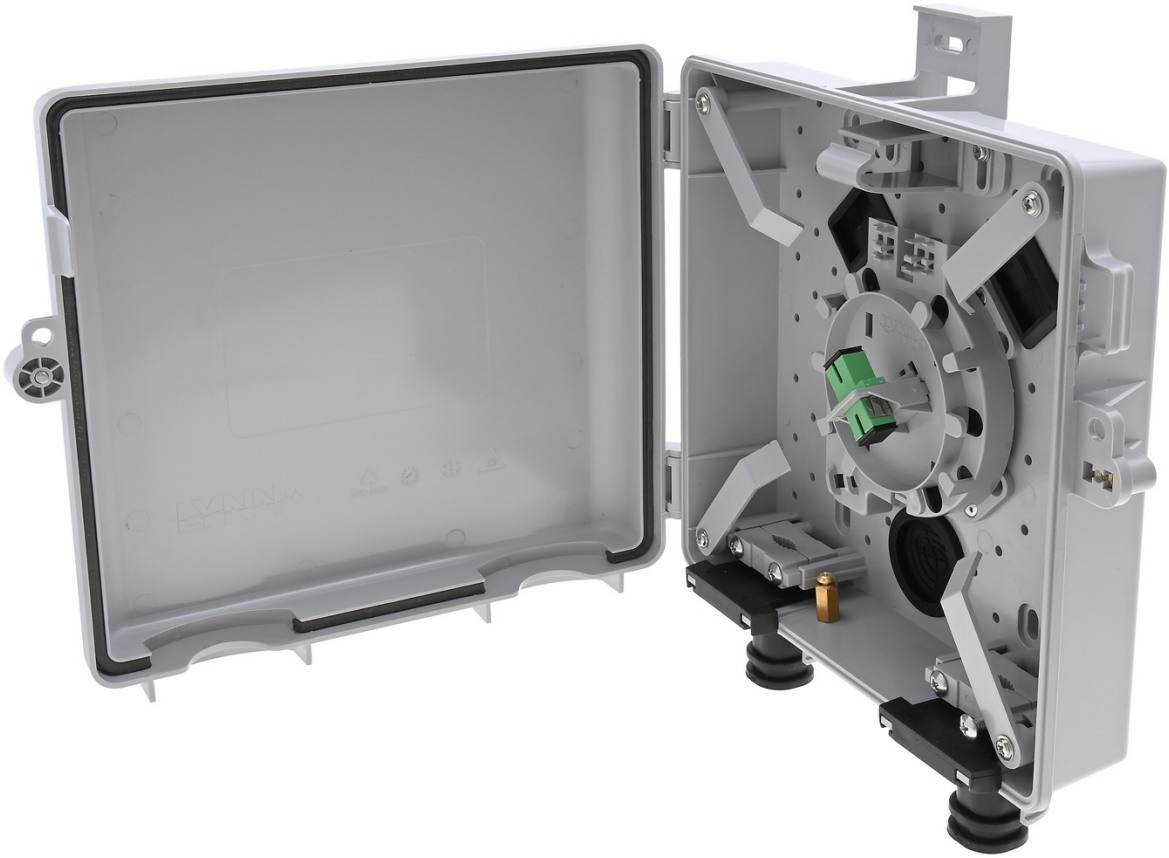
TheNID

Installation Instructions



MODELS	
FPP-TN-A-86-V3	“TheNID” Indoor/Outdoor Wall Mount Fiber Patch Panel

Installation Instructions

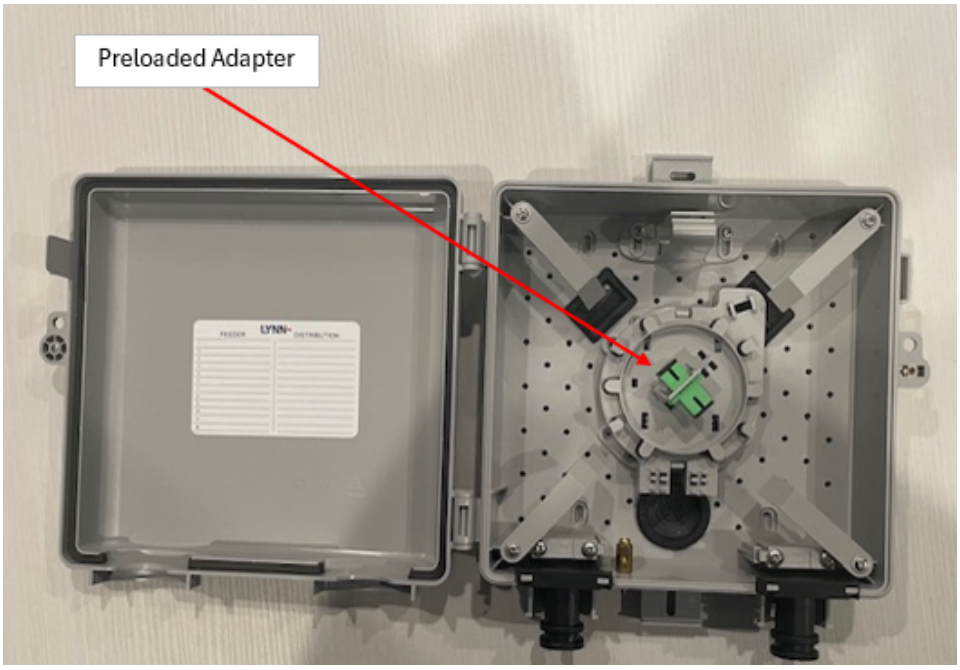
Designed for flat or round drop cable entry, TheNID is a compact outdoor fiber-optic network interface device for FTTx applications.

TheNID

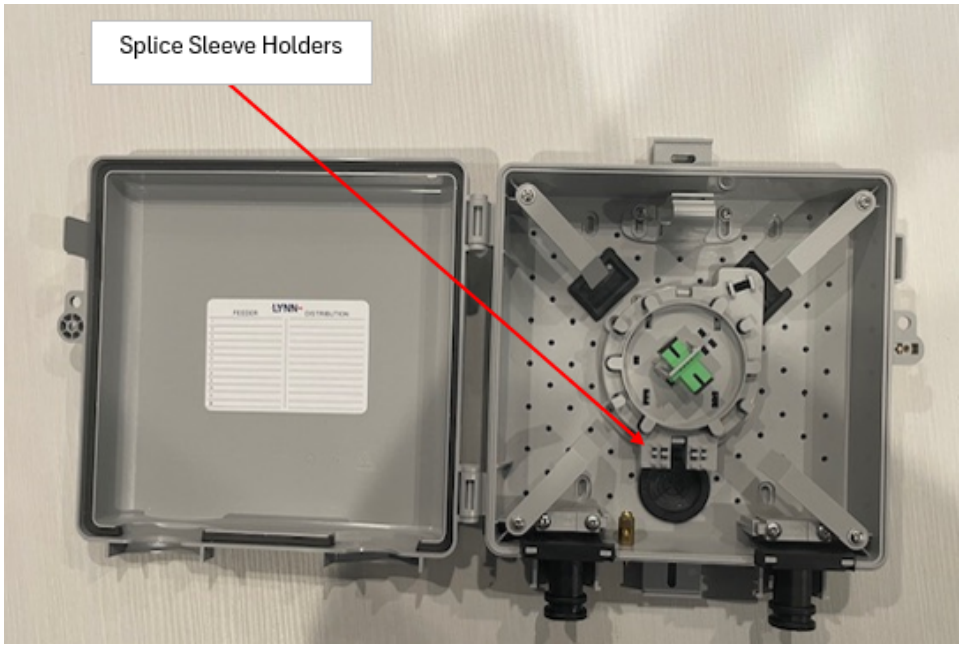
Installation Instructions

Key features:

1) Available preloaded with (1) simplex SC (SC APC included), (1) duplex LC, or (1) 12-fiber MPO adapter

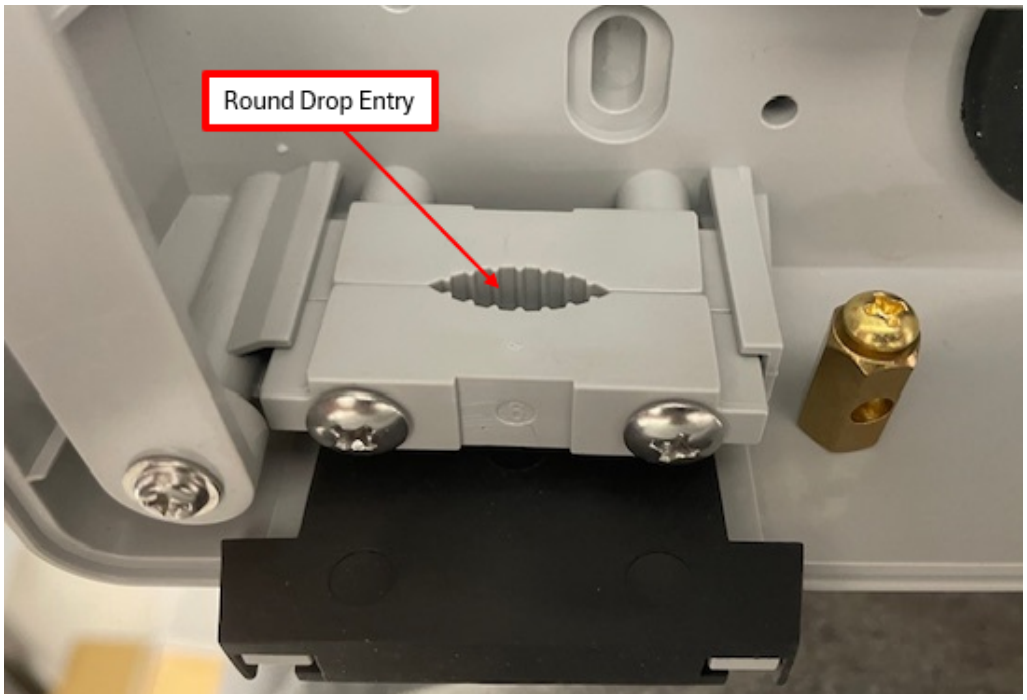


2) Holds up to (2) single splice sleeves (includes (2) 40mm) or (1) mass fusion splice sleeve (ST-RPS-40MM-50)

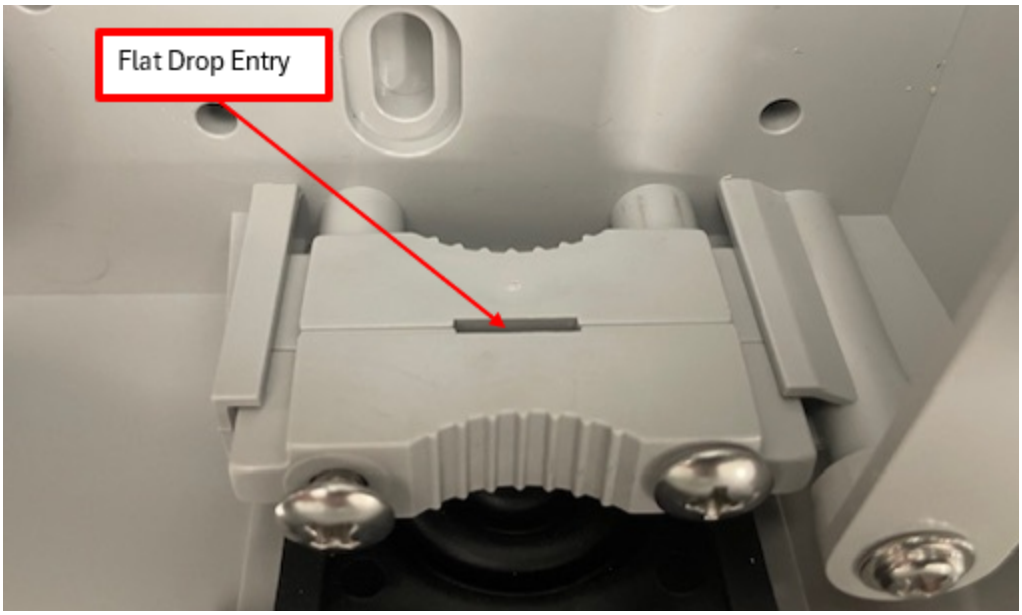


3) Accepts up to 1-inch conduit
4) Large fiber slack storage
5) Variable cable entry clamp designed to hold round or flat drop cable

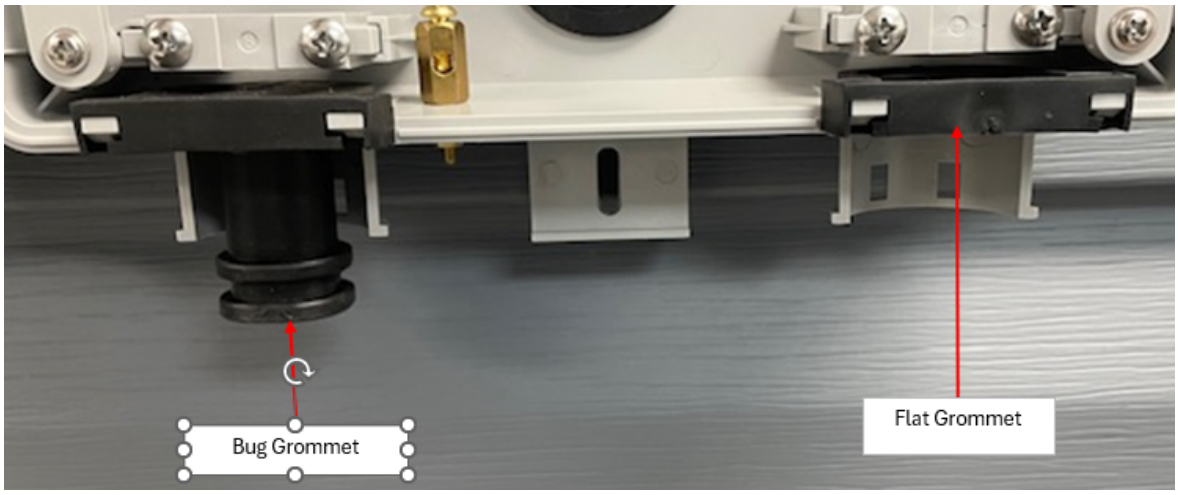
a) Round OD: 3mm to 16.2mm



b) Flat cable OD: 2mm to 8.1x4.5mm



6) Flat or bug proof/protection entry grommet



Included hardware: (2) 40mm splice sleeves, (1) 40mm mass splice sleeve, (1) ½ Velcro strip, (4) 4-inch zip ties, (2) 6-inch zip ties, (4) M40 x 50mm screws and anchors, (1) electrical ground contact, (1) SC APC adapter

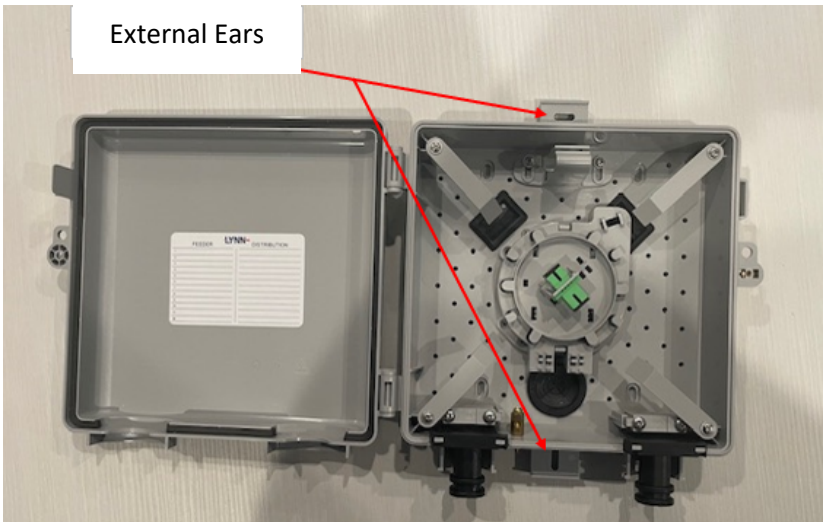
Installation

Step 1 – Mounting TheNID enclosure

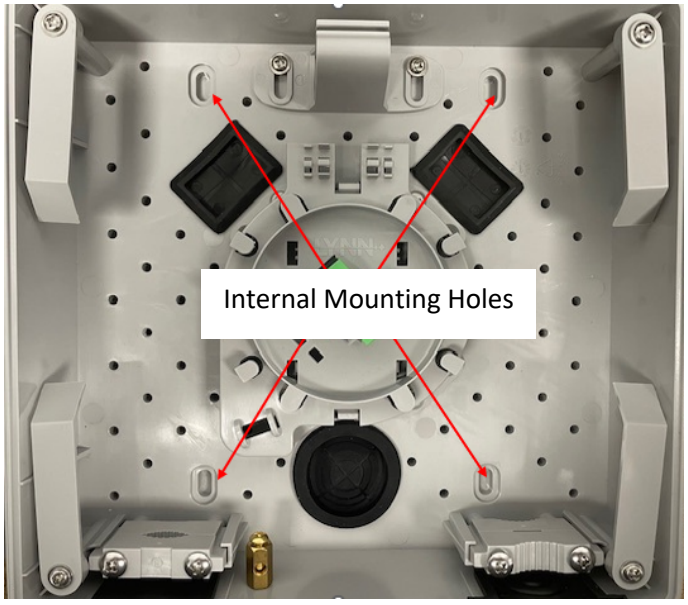
1. Find a flat surface that will minimize exposure to dirt. TheNID is designed to mount vertically with rubber grommets towards the ground. If mounting end-to-end or side-by-side, leave sufficient space between enclosures to allow the door to open.

2. Attach the enclosure to the wall.

External Mounting Ears (recommended): External mounting maintains the environmental integrity of the enclosure. If supplying the hardware, screws must be long enough to allow 1/2 of an inch for the thickness of the enclosure.

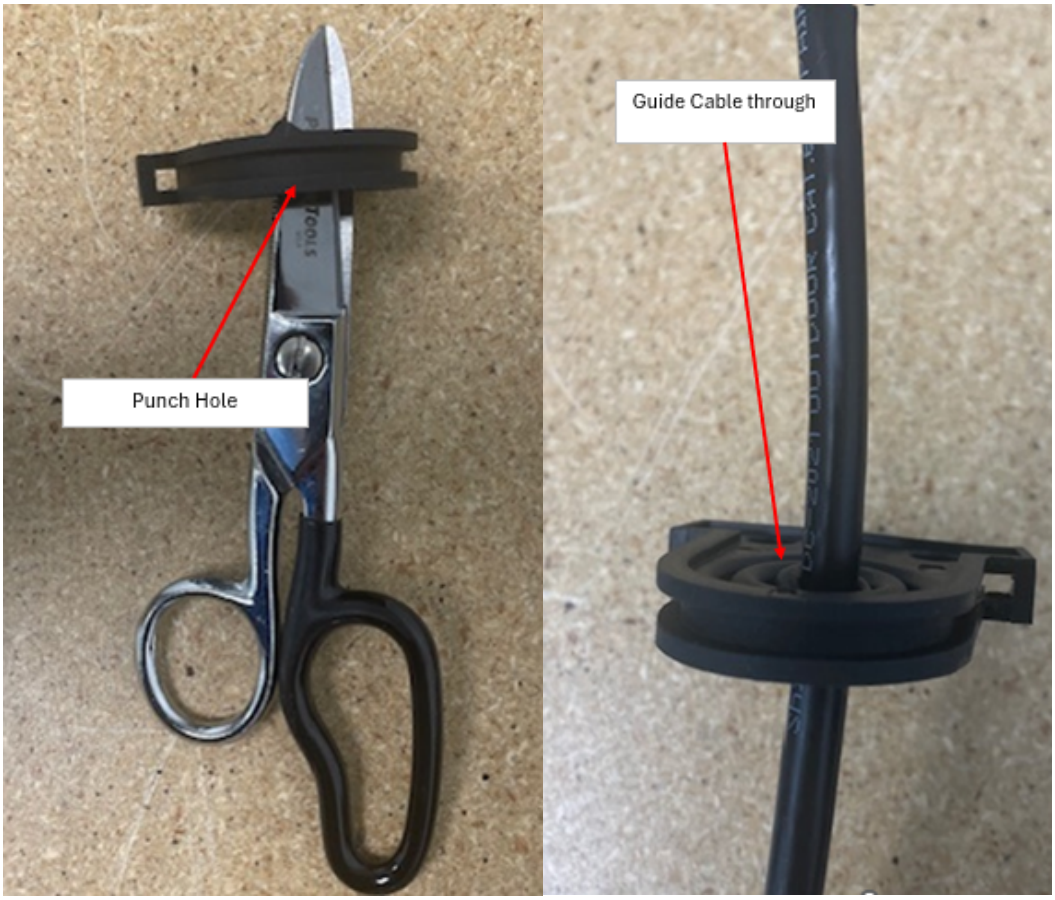


Internal Mount Holes (indoor use only): Use supplied M4 x 50mm (2 inch) screws and anchors at the internal mounting holes (Figure 2). If supplying the hardware, screws must be long enough to allow 1/8 of an inch for the thickness of the enclosure.

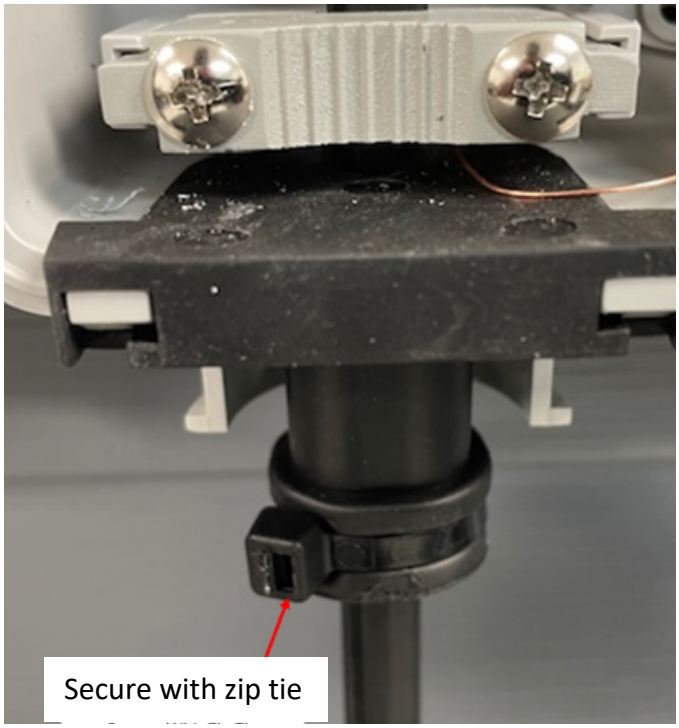


Step 2 – Wiring

1. (A) When using flat grommet, punch hole through the left grommet and guide cable through the entry.



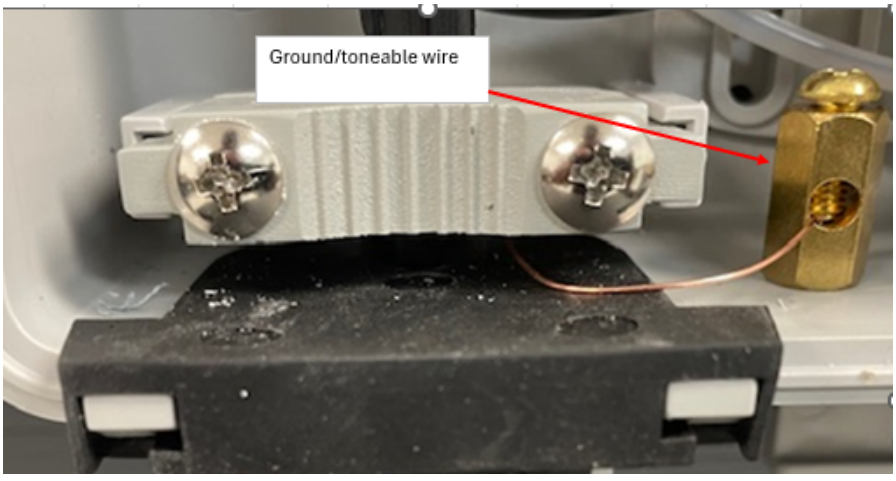
(B) When using bug proof/protective entry grommet, slide cable through grommet before pushing in place and secure with zip tie.



2. Use the variable cable entry clamp to secure the incoming fiber cable.

   Remove the clamp. Arrange the clamp for the appropriate drop cable described below and secure the incoming fiber.

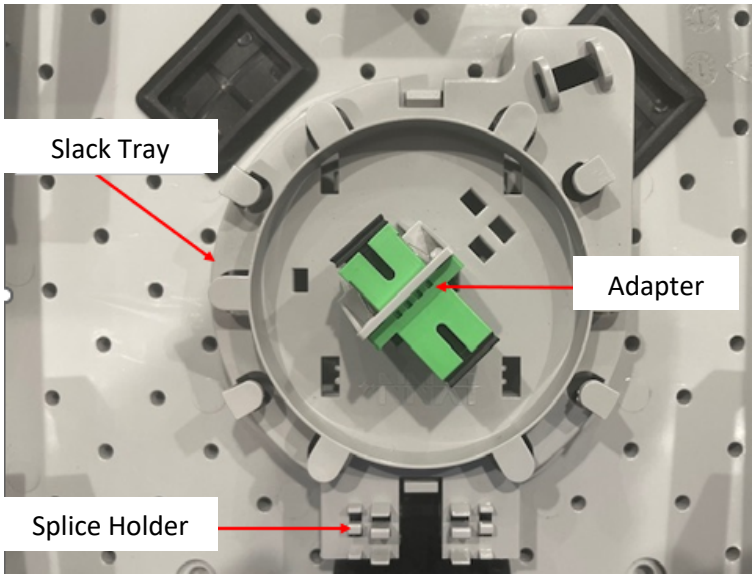
3. Attach the ground/toneable wires to the included electrical ground contact.



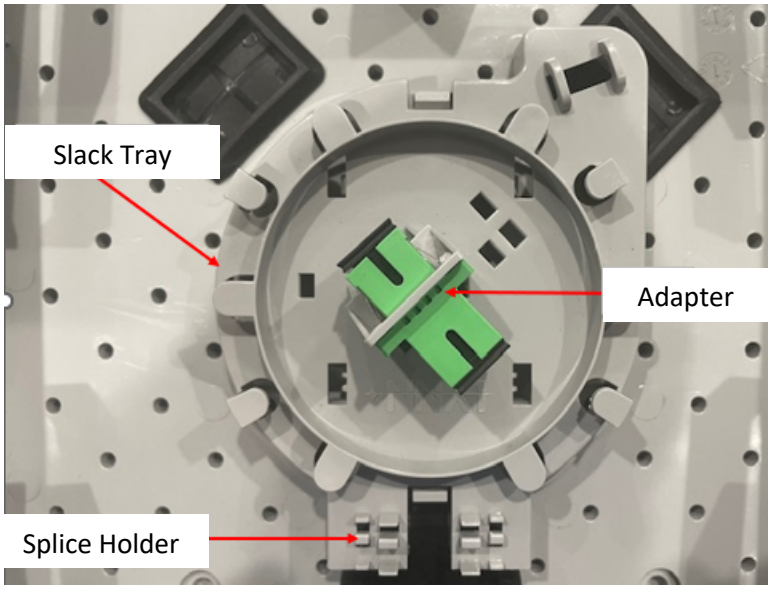
4. Measure desired slack of incoming cable and perform fusion splice.

5. Attach the incoming cable to the Tie Wrap area:

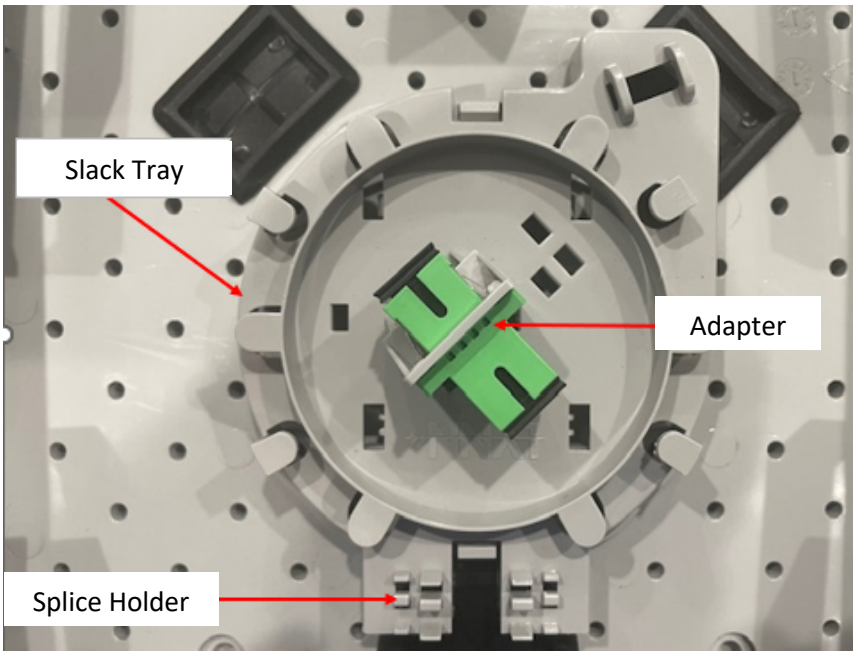
   Pigtail installation: Push the splice sleeves into the splice chip located just above the slack tray at the top of box. Plug the connector into the adapter. Run excess fiber clockwise around the round slack tray in the middle.



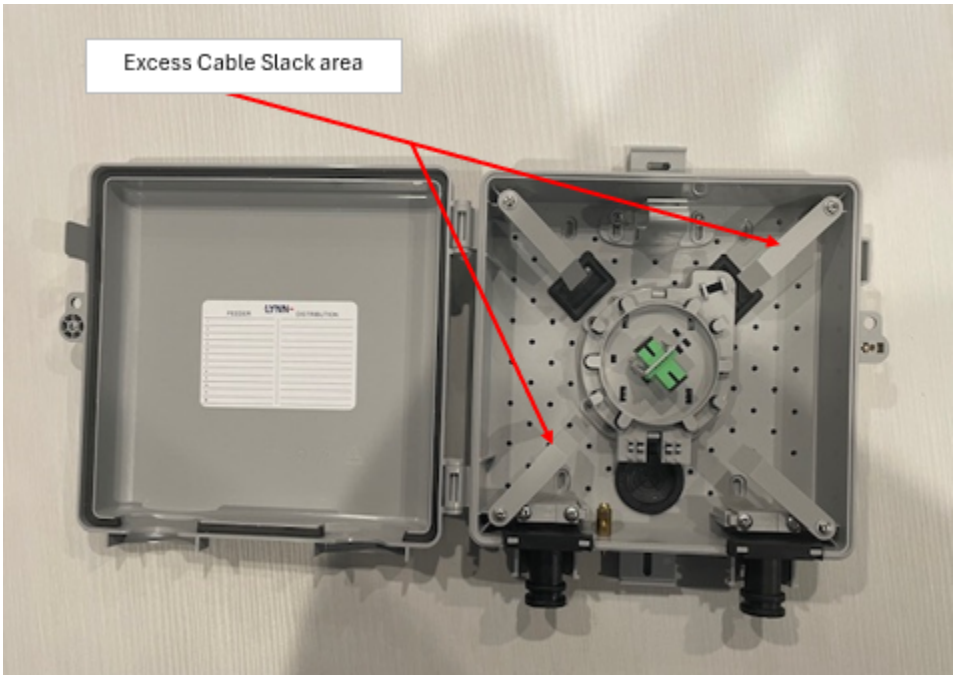
   Splice on Connector, Field Installable Connectors, Pre-connectorized: Simply push connector into the adapter and run excess fiber clockwise around the round slack tray in the middle.



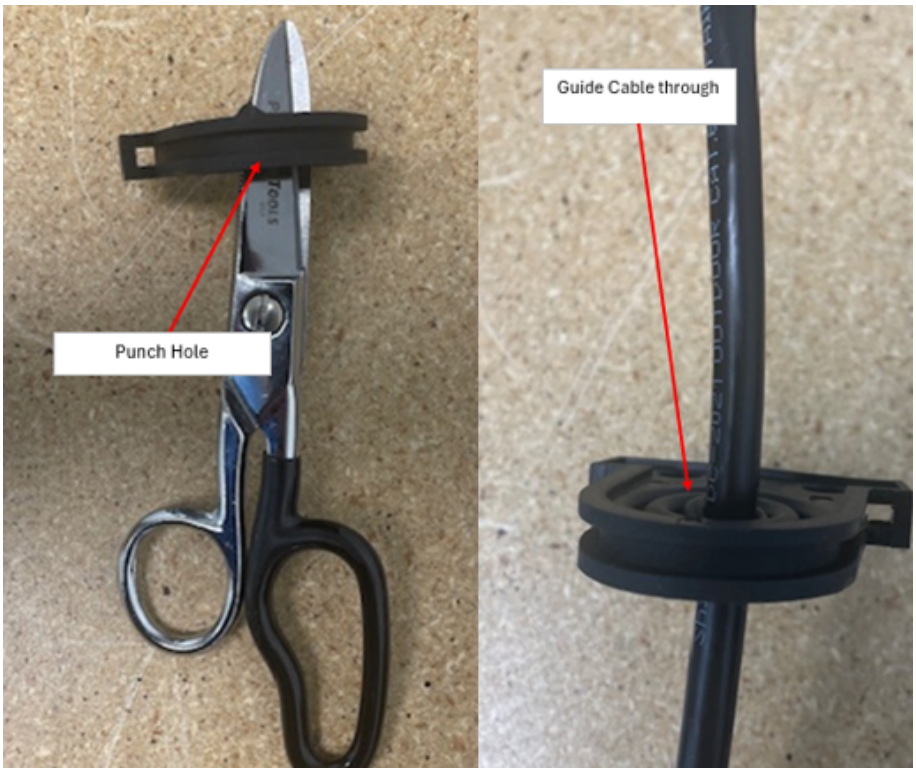
Splice incoming to outgoing: Push the splice sleeves into the splice chip holder above the slack tray. Run excess incoming fiber clockwise and outgoing counterclockwise around the round slack tray in the middle.



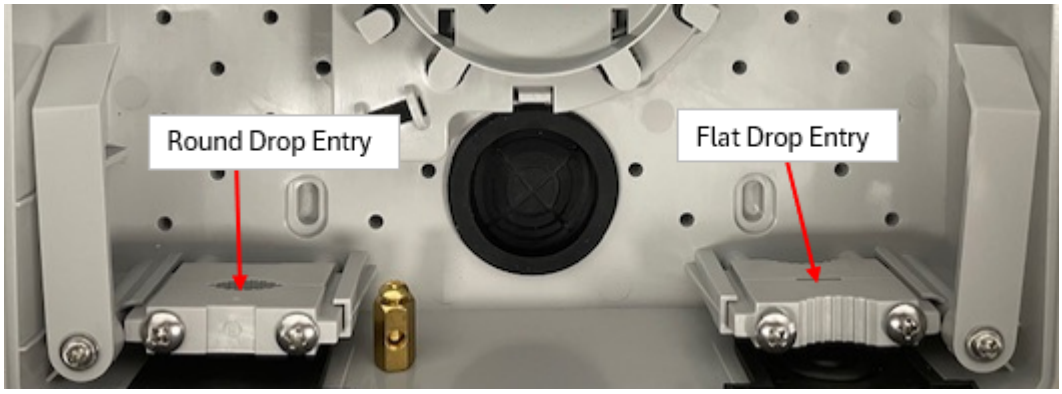
6. Run excess outgoing fiber using the excess cable slack area.



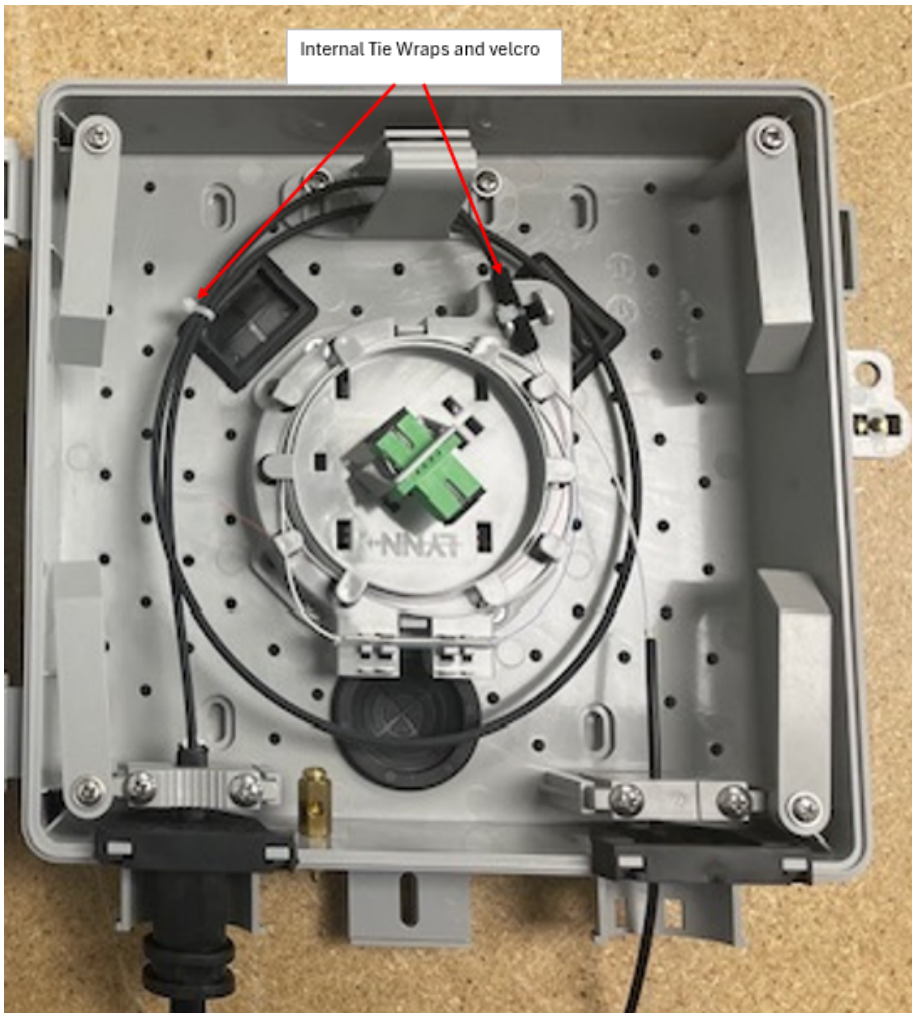
7. Punch hole through the flat grommet or use bug proof/protective entry grommet and guide outgoing fiber through the entry.



8. Use the variable cable entry clamp to secure the outgoing fiber cable.



9. Use internal Velcro and tie wraps to secure all loose fiber.



10. Close, tighten, and secure the outside cover using the security bolt.