

**Fiber Splice Dome Closure,  
Up to 144F Single Fiber with  
6x 24F Splice Trays**

Model:  
N600D-0144-6

Este manual está disponible en español en la página de Eaton:  
[Tripplite.Eaton.com/support](http://Tripplite.Eaton.com/support)

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# 1. Preparation

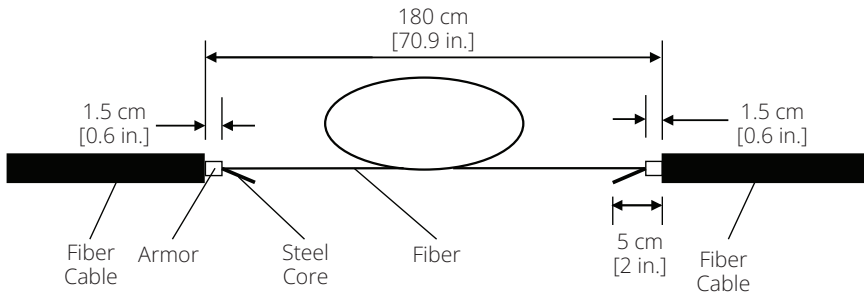
Please check the type and accessories of optic fiber closure and fiber cable.

- Keep the area dry and clean of all accessories.
- Keep the work environment clean (dry and without dust) and even.
- Use the specified and standard tools during the peeling and installation.
- Do not overbend or use excessive fiber cable.

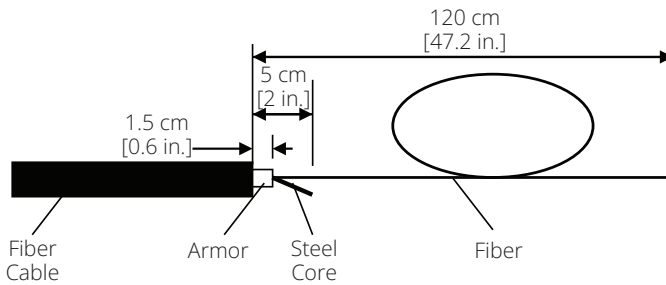
# 2. Cable Installation

Mark the cutting point on the cable. The length of stripping should be about 180 cm (70.9 in.) or as required.

**Note:** The following can apply for any fiber cables being spliced and installed inside the enclosure. Installers should mark xxxxx.



Uncut Armor Cable



Branch Armor Cable (Cut Cable)

## 2. Cable Installation



Cable Jacket Cutter  
(Optional)



Cable Sheath Cutter  
(Optional)



Cutter Clamp  
(Optional)

Strip the cable with above tools, maintaining an appropriate length as shown in the diagrams above.

### Notes:

- Make sure not to damage the optical fiber.
- Do not use a damaged optical fiber cable.
- Remove the cable jacket without cutting, kinking or damaging the internal tube.

## 3. Opening the Dome Closure

- Check the quantity of closure accessories.
- Place the closure on the operation table.
- To open closure for cable installation, first ensure that there is an available opening in the base and all grommets are present.
- Next, carefully open the closure by unlatching the locking collar around the base. Be careful as contents may be pressurized.

Unlock the locked device on the plastic hoop, open the plastic hoop to separate the cover and base, and remove the sealing gasket.



**Note:** For good sealing performance, be careful when separating the box.

## 4. Installing a Cable

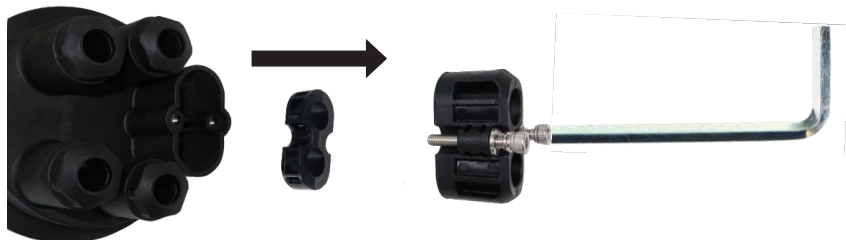
Run the stripped cable through the components in the order shown in the images and table below, then through the closure:



Item No.	Name	Quantity	
❶	Base	1 set	
❷	Double clamp	1 set	
❸	Double clamp	1 pc.	For sealing uncut cable (Ø14~Ø18)
❹	Double hole grommet Ø8-Ø14	1 pc.	
❺	Double hole grommet Ø14-Ø18	1 pc.	
❻	Double block	1 pc.	

### Uncut Armored Cable Installation

- ❶ Remove double-block from base using a hex key.



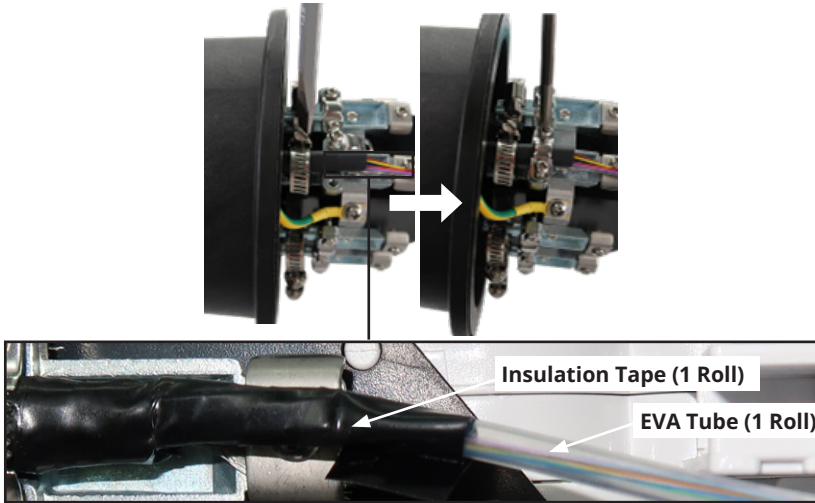
- ❷ Open the double block, double clamp and double hole grommets with the included flat-head screwdriver or a pair of tweezers.



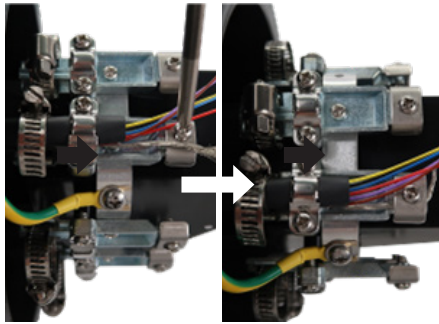
## 4. Installing a Cable

- 3 Fix the cable in place with hoop and tighten in place with the metal clamp.

**Note:** When bare fiber is used, EVA tube should be used for protection.



- 4 Fix the steel strength member to screw by tightening in place.



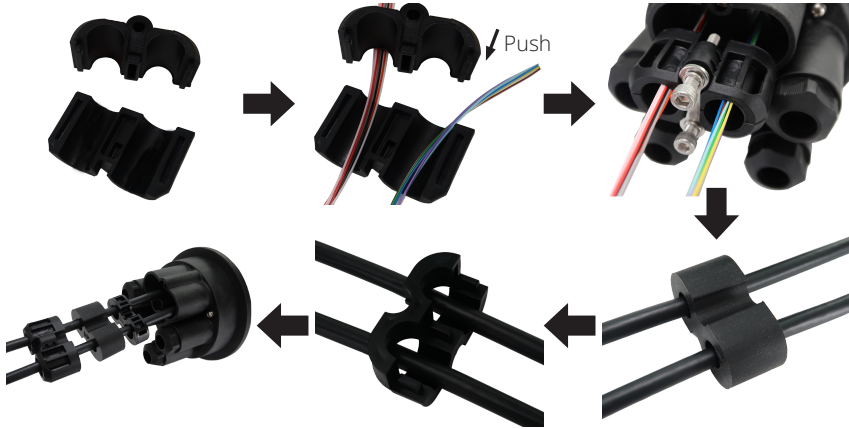
- 5 Secure the uncut cable in the tray basket with a nylon zip tie, then coil and secure the cables in the tray.



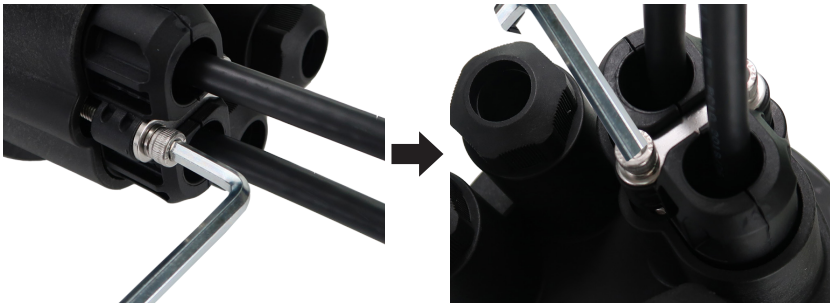
## 5. Closure Assembly

- 1 Push the cabling through the double block, double clamp and double hole grommets.

**Note:** When this double hole cable entry is not used, a choke plug should be used to seal the double hole grommet.



- 2 Tighten the hex screws to secure the double block, double clamp and double hole grommets to the closure base.



**Note:** The seal ring is made of rubber and the components are made of plastic. When securing, use the appropriate force (5 N·m or 44.3 lbf·in).

## 6. Installing Branch Cables

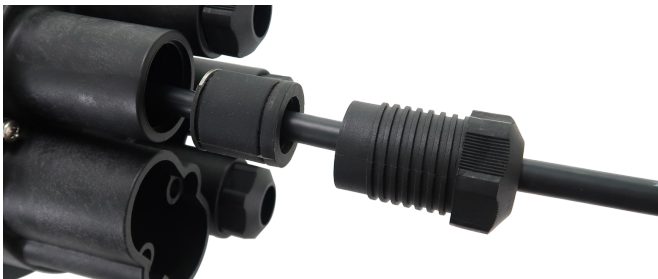
There are 4 small ports for the uncut cables in the bottom box. Use a Ø8-Ø14 Single Hole Grommet or Ø14-Ø18 Single Hole Grommet depending on the cable diameter size.



- 1 Remove the nuts, seals, hoops, armor tableting and steel core using an M31 wrench.



- 2 Pass the peeled OF fiber to M31 nut (plastic), washer (stainless steel), seal and washer (stainless steel).



## 6. Installing Branch Cables

- 3 Attach the small port cable to the closure.
- 4 Secure the cable with hoop, then secure the steel core to the press patch (refer to step 3 in the **Uncut Armored Cable Installation** section).
- 5 Press the seal gasket (liner only if necessary) and plastic washer to the small port. Screw the M31 nut with spanner tightly to create a seal.



- 6 Measure the distance from the cable fixing place to the second or third tray port. Strip the fiber tube and attach to the tray's inlet using nylon ties (refer to step 4 in the **Uncut Armored Cable Installation** section)

## 7. Fiber Splice and Mark

- 1 Using a stripper, remove the cable sheath and clean it with gauze and alcohol. Then, use a cutter to cut the fiber.



Tube Stripper  
(Optional)



Naked Fiber Stripper  
(Optional)



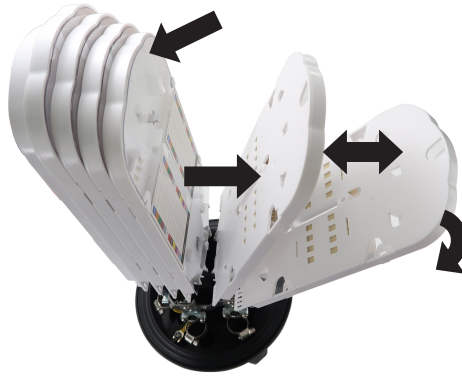
Fiber Cutter  
(Optional)

- 2 Before splicing, clean the bare fiber with clean paper. Protect the fiber with tube and secure the fiber to the entrance of the tray with a nylon zip tie.



## 7. Fiber Splice and Mark

- 3 It is strongly recommended to install fibers from cable ports to the corresponding splice trays:



- 4 Record the parameter after splicing and making the cable marking.



Fusion Splicer  
(Optional)



OTDR  
(Optional)

- 5 Put the splice protect pipe clamp in the bracket and the fiber spiral storage in the splice tray. Cover using the transparent cover or plastic cover.

### Notes:

- In the process of the fiber splice and storage, the bend radius should be less than 30 mm (1.2 in.). If the radius is too small, the fiber attenuation and the optical scatter will expand. Also, the fiber will break eventually.
- In the process of the fiber splice and storage, take note of the twist direction. Generally, it is "8". Also, do not break the fiber cable. After the process, place all the optical fiber below the board of the storage fiber tray.

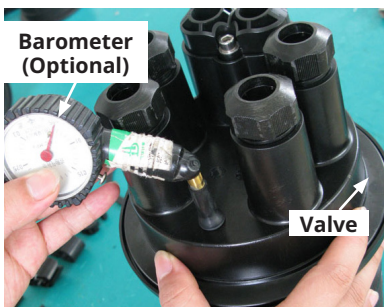
## 8. Box Encapsulation

Load the cable seals into the box, put together the box top and base, and seal with the plastic hoop.



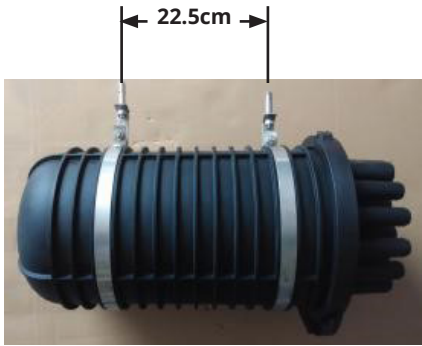
### Test the Seal

Test the seal after being filled air in the closure and filled other inertia air according to the user application. Make sure to be aware of the grounding. Also make sure to inspect all fibers inside so as to confirm no fibers are damaged.



# 9. Closure Installation

The closure assembly can be installed in the following ways:



Wall Mount



Aerial Mount



Pole Mount  
(Default Installation Kit)

	PN	550735
	Description	Pole Mounting
	Quantity	1 Set

## 10. Warranty

### 3-Year Limited Warranty

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