

**Fiber Splice Dome Closure,
Up to 648F Single Fiber with
54x 12F Splice Trays**

Model:
N600D-0648-54

Este manual está disponible en español en la página de Eaton:
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Powering Business Worldwide

1. Preparation

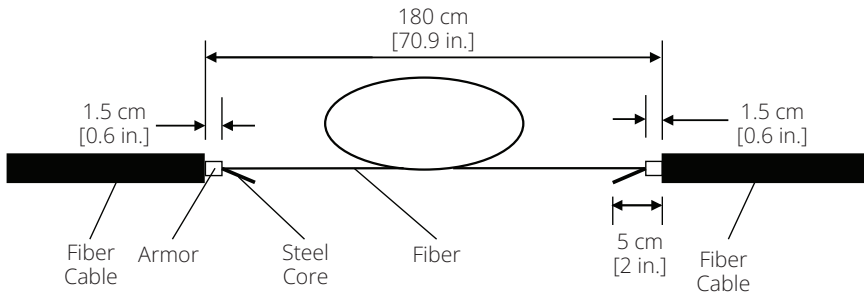
Please check the type and accessories of optic fiber closure and fiber cable.

- 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.

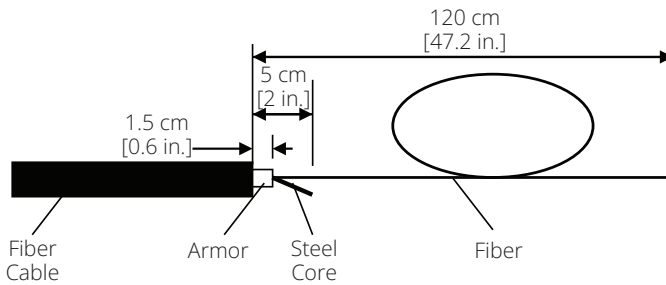
2. Cable Installation

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)



Cable Cutter
(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.

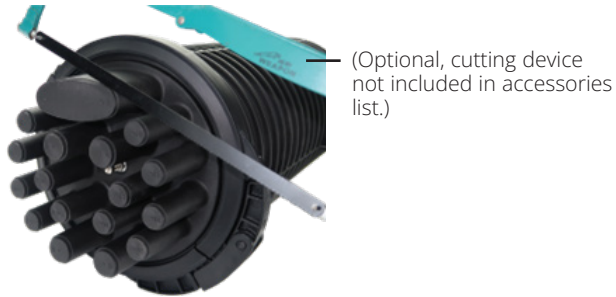
Unlock the locked device on the plastic hoop, open the plastic hoop to separate the cover and base, and remove the sealing gasket.



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

4. Installing a Cable

- 1 Create a cable entry by cutting off the end of the base.

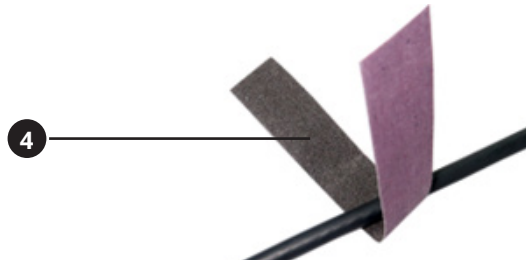


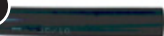



- 2 Run the cable through the heat shrink tube and cable entry.



Notes:

- Insert a brand clip into the heat shrink tube before heating.
- The cable should be wrapped with aluminum paper before heating.
- Use sandpaper to enhance cable surface friction.

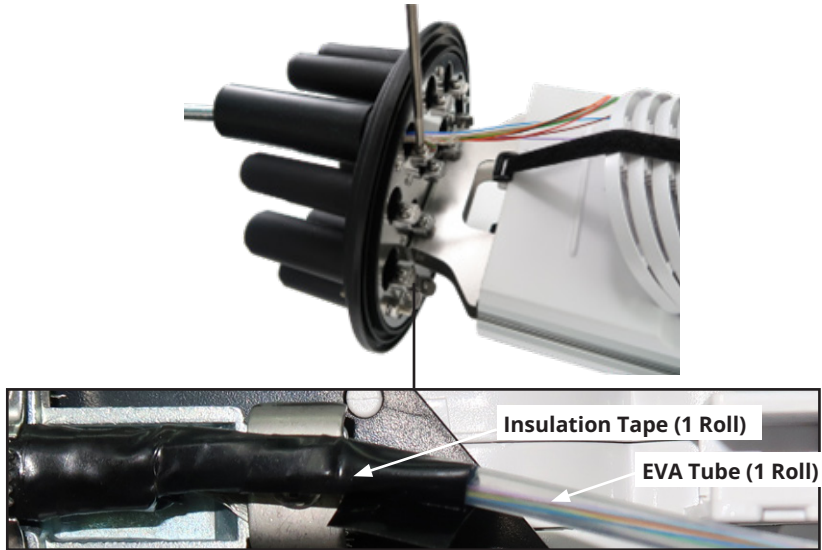


1		PN	XXXXXX
		Description	Heat shrink tube with adhesive (Ø85 x 200 mm)
		Quantity	1 Pc.
2		PN	103AF6
		Description	Brand Clip
		Quantity	1 Pc.
3		PN	8702CC
		Description	Aluminum Paper
		Quantity	7 Pcs.
4		PN	8702CA
		Description	Sandpaper
		Quantity	1 Pc.

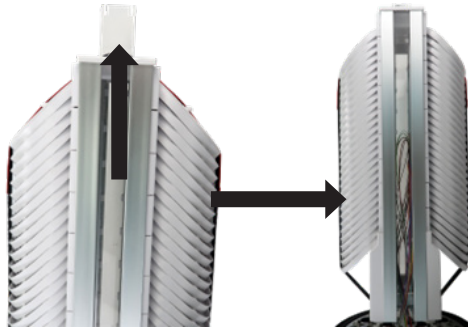
4. Installing a Cable

- 3 Secure the steel strength member and tighten into.

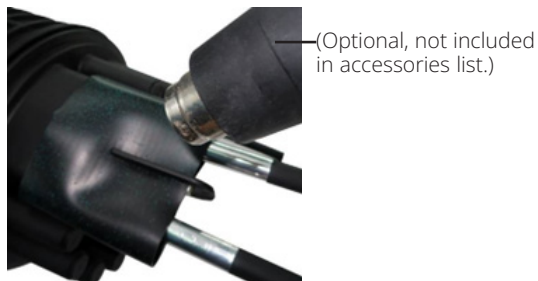
Note: When bare fiber is used, EVA tube should be used for protection.



- 4 Store any fiber slack inside the storage area.



- 5 Seal the cable entry.



5. Installing Branch Cables

- 1 For any of the 16 small ports for the uncut cable, cut a small cable entry by cutting off the end of the base.



(Optional, cutting device not included in accessories list.)

- 2 Run the cable through the heat shrink tube and cable entry.



PN	XXXXXX
Description	Heat shrinkable tube with glue (Ø30 x 200 mm)
Quantity	12 Pcs.
PN	XXXXXX
Description	Heat shrink tube with adhesive (Ø40 x 200 mm)
Quantity	4 Pcs.

- 3 Seal the cable entry.



6. 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)

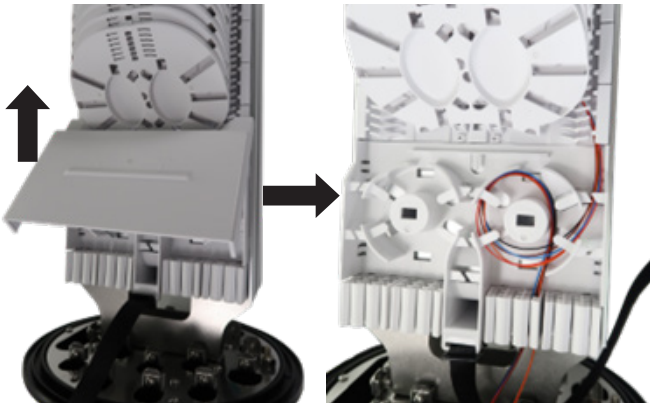


Naked Fiber Stripper
(Optional)

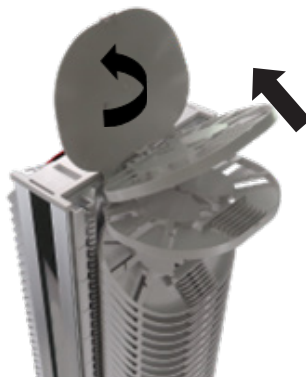


Fiber Cutter
(Optional)

- 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.
- 3 Open the tray cover and wrap the fiber into the bracket. Strip the cable end bare, then run the inlet into the cassette.



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



6. Fiber Splice and Mark

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

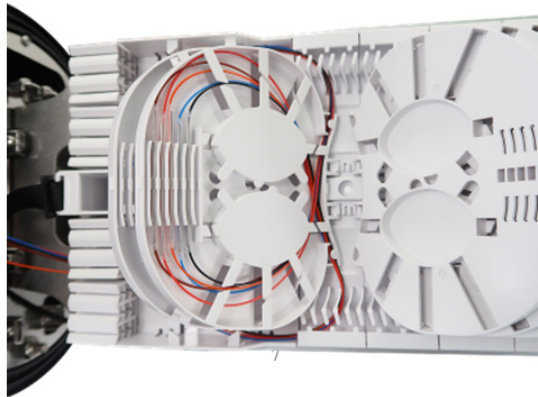


Fusion Splicer
(Optional)



OTDR
(Optional)

- 6 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.

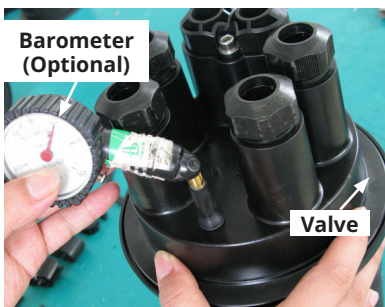
7. Box Encapsulation

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.



8. 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

9. Warranty

3-Year Limited Warranty

We warrant our products to be free from defects in materials and workmanship for a period of three (3) years from the date of initial purchase. Our obligation under this warranty is limited to repairing or replacing (at its sole option) any such defective products. Visit **[Tripplite.Eaton.com/support/product-returns](https://www.eaton.com/support/product-returns)** before sending any equipment back for repair. This warranty does not apply to equipment which has been damaged by accident, negligence or misapplication or has been altered or modified in any way.

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