



Fiber Optic Splice Closure Kit

Model: BFOSC-HDS48

Installation Manual

This operation manual is for installation staff with professional training.



Installation Manual for the BFOSC-HDS48 Optic Fiber Cable Closure

1. Application

This Manual has been prepared for the proper installation of our Optic Fiber Cable Closure. The optic fiber cable closure can be installed by embedding, suspension and wall-mounting. The ambient temperature ranges

are from -40 to 65°C

2. Structure and Components

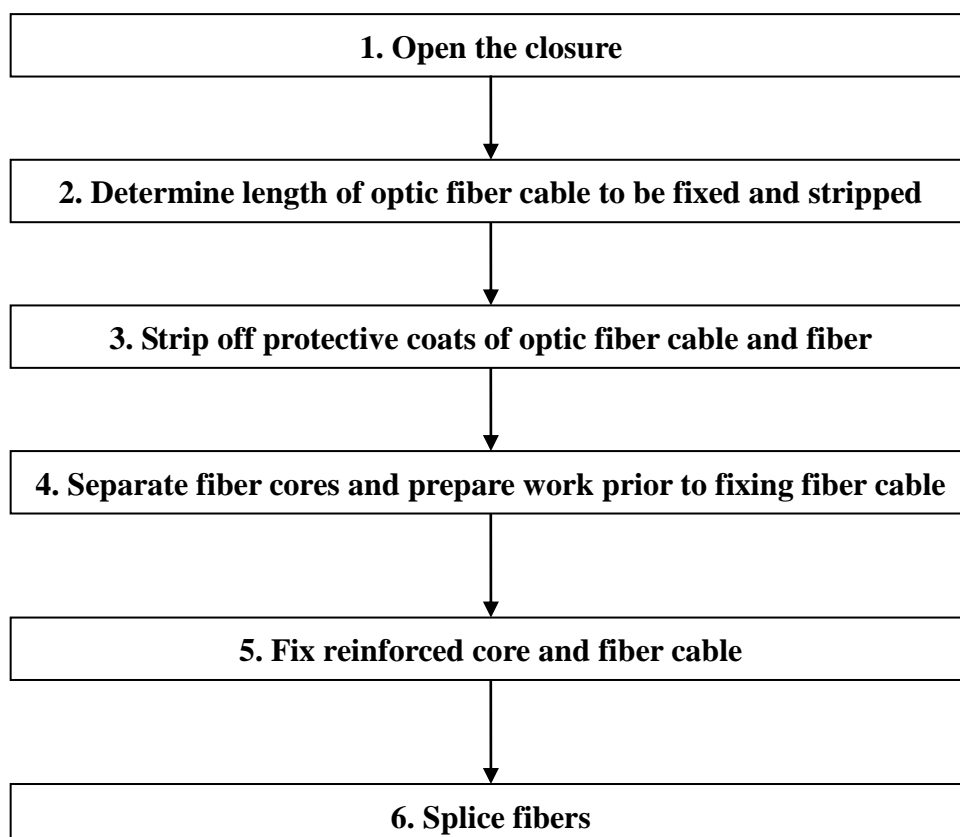
2.1 Basic Structure

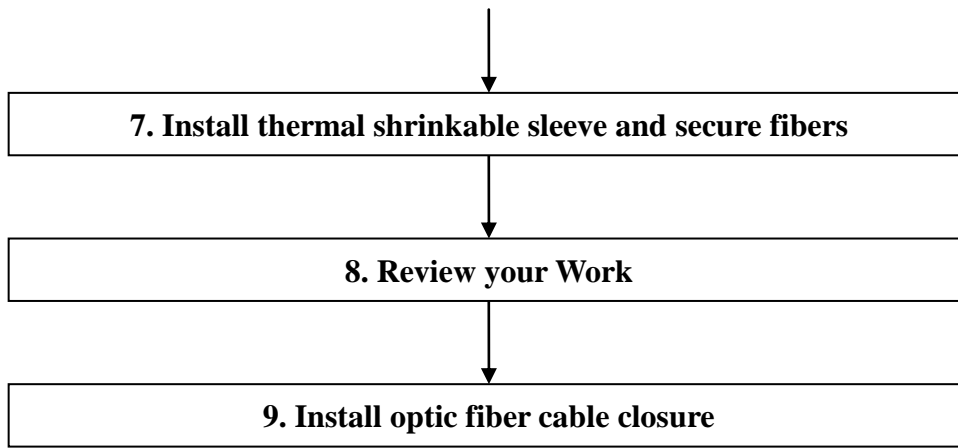
Outside dimension (L x W x H)	465 x 180 x 122 (mm)
Net weight	2000g - 2500g
Input/Outputs	4
Diameter of optic fiber cable	Φ8 - Φ22 (mm)
Maximum capacity	12 - 48 cores/bunch

2.2 Complete Kit Contains:

No.	Description	Quantity	Usage
1	Shell	1 piece	Protection of optic fiber cable closure
2	Optic fiber splice tray	4 piece	Fixing of thermal shrinkable sleeve and holding of fibers
3	Thermal shrinkable sleeve	1 Package	Fusing of optic fibers
5	Sealing Material	1 Package	Sealing of optic fiber cable closure
6	Plug	2 pieces	Plugging of cable holes
7	Insulating tape	1 piece	Expansion of cable diameter

3. Flow Chart of Installation





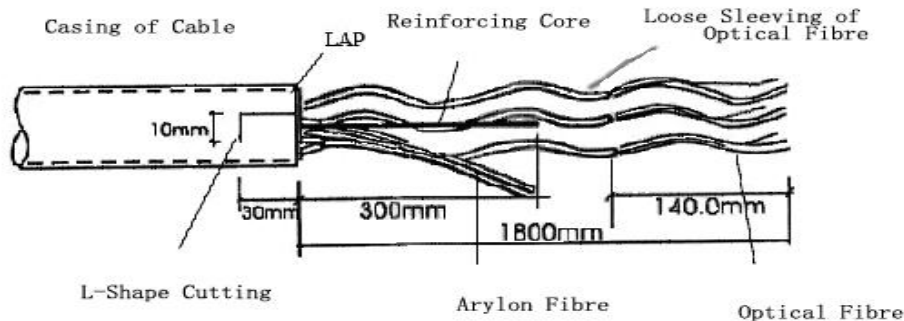
4. Installation of Optic Fiber Cable Closure

4.1 Opening of Closure

- 4.1.1 Clean the site, determine the position of installation & properly arrange the cables to be installed;
- 4.1.2 Check if all components and accessories of the closure are available;
- 4.1.3 Open the closure shells;
- 4.1.4 Unscrew the nuts around the shell with special spanner;
- 4.1.5 Remove the upper shell and take out the metal or plastic support.

4.2 Determine the length of optic fiber cable to be fixed and stripped inside the closure

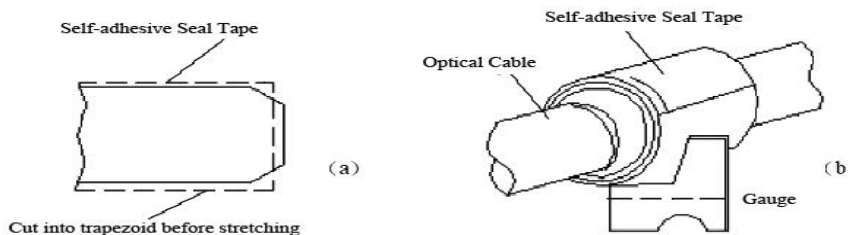
- 4.2.1 Install the sealing ring. Choose and install 2 sealing rings, the aperture of which fit outer diameter of optic fiber cable.
- 4.2.2 Strip the optic fiber cable. The stripped cable length of is 1800mm; the following drawing shows the stripping of the layer stranded optic fiber cable of single core.



Drawing 2

4.3 Installation of Self-adhesive Sealing Tape

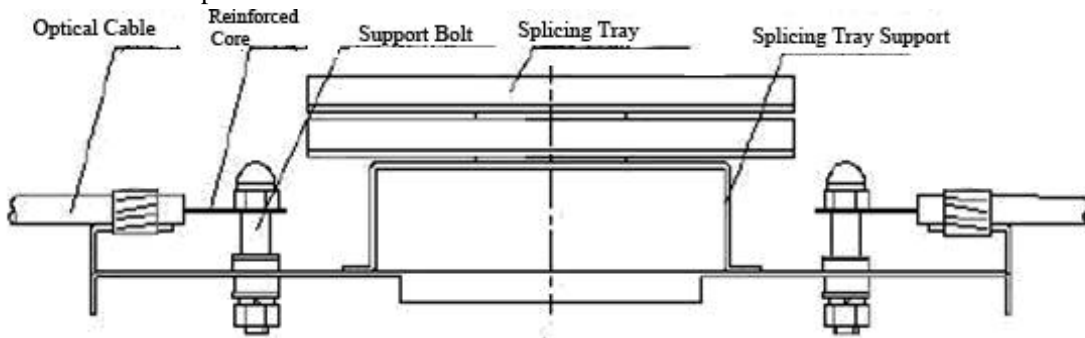
- 4.6.1 Wrap the self-adhesive sealing tape around the cable that 4.5mm from opening of the stripped cable. Both ends of the sealing tape are sealing rings, don't stretch the sealing tape too much. Use the gauge to check the thickness of sealing tape wound around the cable, the diameter of which should match that of the gauge.



- 4.6.2 Block the holes without cables with sealing plugs.

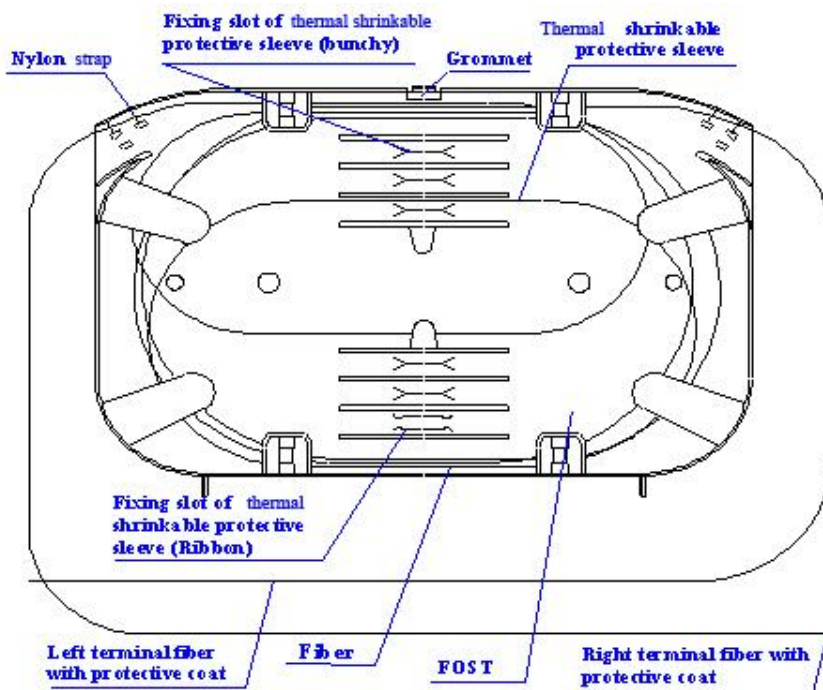
4.4 Fixing of Reinforced Core and Optic Fiber Cable

- 4.6.1 Put the reinforced core into the nut, leaving 5mm outside;
- 4.6.2 Screw down the nut of reinforced core with a plastic wrench, and then tighten it with a metal wrench;
- 4.6.3 Fix the optic fiber cable.



4.5 Coiling of Optic Fibers

- 4.6.1 Wrap, at least 1 round, the optic fiber in the bottom of closure shell, and lead it to the splicing tray. There is no need for any protective sleeve, because the ribbon optic fiber cable and the central tube single core cable are all of bare and coiling fibers. Fiber coiling of the layer stranded optic fiber cable of single core can be done with the protective sleeve; it can be fastened with a nylon strap, but not with excessive force. When the optic fiber is led into the splicing tray, fasten it with a nylon strap.



4.6 Closing of Shells

- 4.6.1 Clean the surfaces of the shells and remove the protective paper from self adhesive sealing bar. Put sealing bar into the slot of shell. Sealing bars must be used for the central parts of both the upper and lower cable inlets. Position the upper and lower shells with the aligning points, and close the shells. Screw down diagonally the nuts of the shells, starting from the ones in the middle to those on the sides in sequence.
- 4.6.2 Screw down all bolts again 10 minutes later. The installation is now completed.

BROADSTAR 24 AND 96CT SPLICE ENCLOSURE INSTRUCTIONS ARE THE SAME EXCEPT FOR THE SPLICE TRAY QUANTITY.