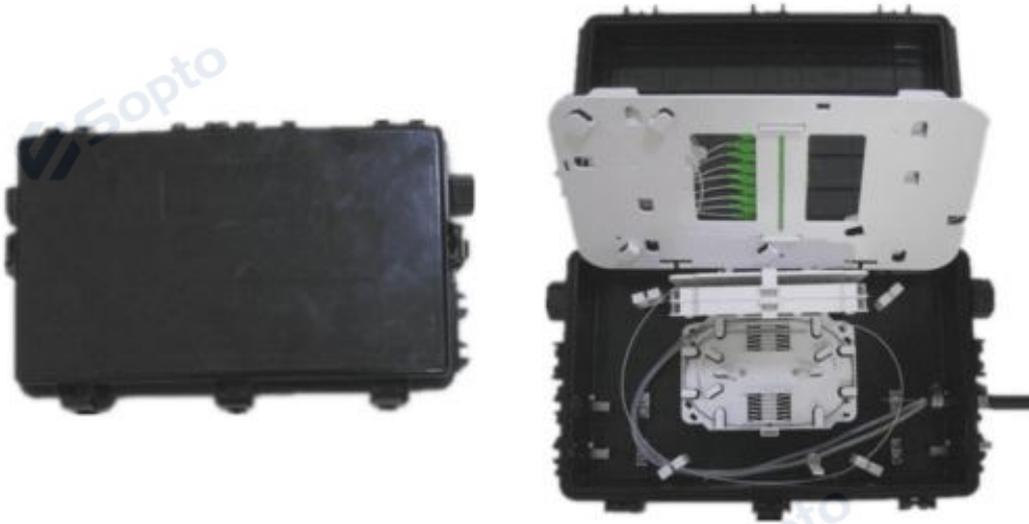


SPFC-PO-16M-2/2D

Optic Fiber Splice Closure



General Description

SPFC-PO-16M-2/2D Optical Distribution Box(ODB) is high-density 2-in-2-out fiber box solution. Designing with a compact size of 340x220x100mm, the cabinet accommodates 1x2,1x4,1x8 and 1x16 etc.splitters. The 4 ports are sized for main cable from 9 to 16mm in diameter, along with 16 3mm cables.

Features

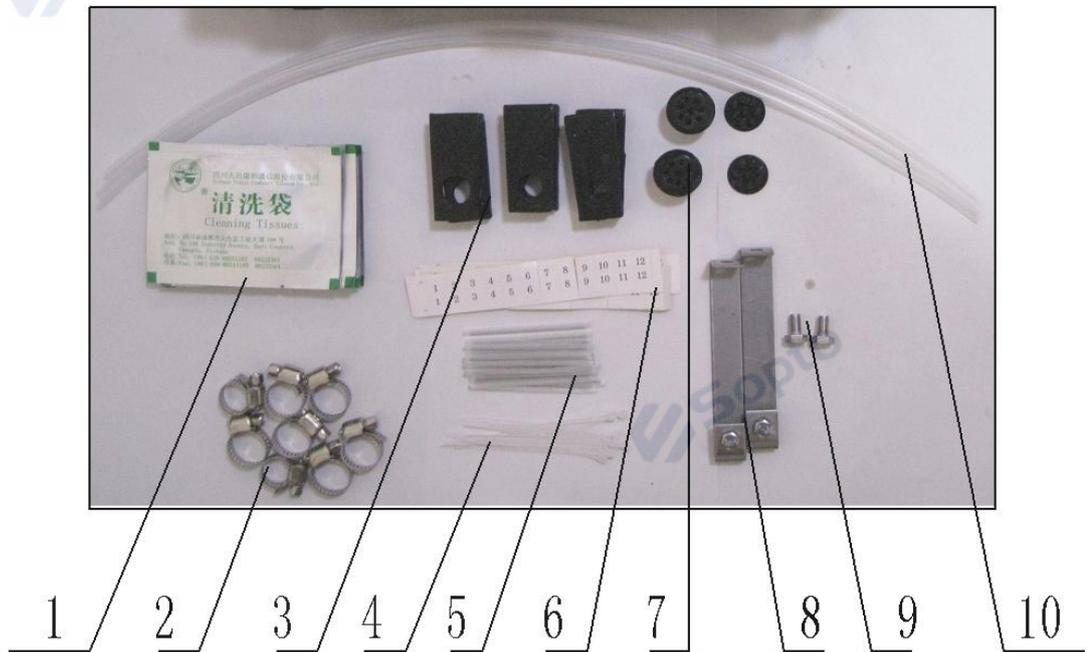
- All property indexes are in accordance with National YD/T814-1996 Standard.
- The case body is made from imported high-intensity engineering plastics(ABS) and formed the shape with mould plastics under high pressure. It is in the shape of HALF rectangle, with the advantages of less weight, high mechanical intensity, corrosive-resistance, anti-thunderstruck and long service life.
- The case body and cable entrance are sealed with adhesive rubber strip(non-vulcanized) and sealed tape. Reliable sealing capability. It can be re-opened and easy to maintain.
- Overlapping fiber-melting tray and separate insulation earth unit make the disposition of the cores, expanding the capacity and cable-earthen flexible, convenient and safe.

- Outer metal component and fixing unit are made of stainless steel, so can be repeatedly used in different environments.

Application

- Telecommunication subscriber loop
- Fiber to the home(FTTH)
- LAN/WAN

Accessory Kits

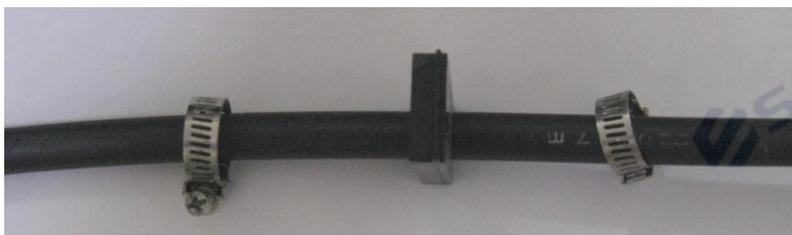


- 1.Cleaning Tissues 2.Hose camp 3.Main Cable Seals 4.Nylon Tie-wrap
 5. Shrinkable Sleeves 6.Label 7. Drop Cable Seals
 8. Aerial Buckle(with M5x12 stainless bolts) 9.M6x10 Stainless Bolts 10.Fiber Melting Protection Tube

Installation Procedures

1. Main Cable Preparation (Figure 1)

- 1.1 Based on the diameter of the main optic fiber cable, choose corresponding cable seals and put the cable through two hose camps.



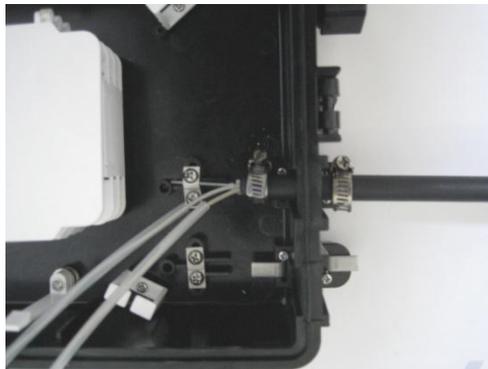
Picture 1

2. Cable Connection Endings Processing

- 1.1 Remove the sheath of the optic fiber cable, the removed optic fiber cable length base on local installation tradition.
- 1.2 Remove the all layers of the cable, except the loose buffer tube and leave proper length for strength member.
- 1.3 Clear the oil stain and filler material.

3. Fixing of Main Fibers (Figure 2)

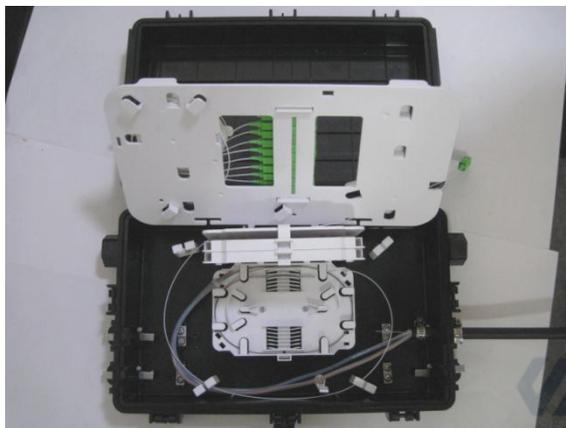
- 3.1 Place the main cable seals into the grooves on the end of the box, use the hose camp to fix the outer sheath of fiber cable, and pin down the strengthen member by a metal plate placed inside, and insert the loose buffer tube into the fiber melting protection tube.



Picture 2

4. The Melting Connection between Main Cables and Pigtails (Figure 3)

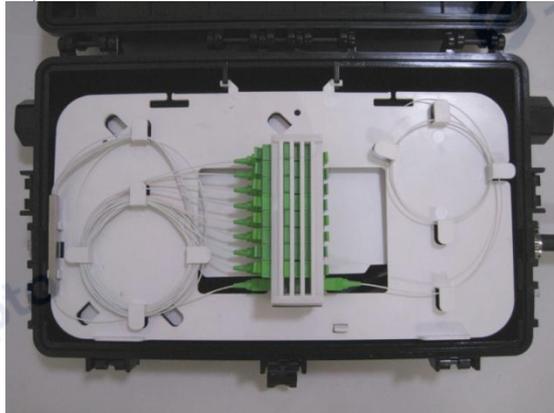
- 4.1 Ring cut and remove the loose buffer fiber tube at the access entry of fiber tray, expose the bare fibers, and secure the fibers with Nylon tie-wrap.
- 4.2 Secure the pigtails with tie-wrap at another side of access entry, and strip
- 4.3 Absolutely remove the dust & oil stain on the fiber tray and then According to prescribed operation procedures & requirements to do melting, testing, melting protection, fixing the fused joint and marking. And put extra fibers inside the fiber tray regularly.
- 4.4 After finishing the fusion on the fiber tray, insert the pigtails to the front side of flipping board through side holes.



Picture 3

5 Connection Between Pigtails and Splitters (Figure 4)

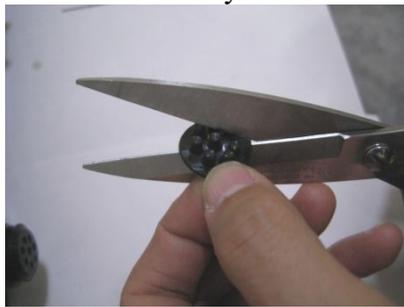
5.1 At the right side of the flipping board, the pigtailed coil and then insert into the splitter.(the connector port at the bottom)



Picture 4

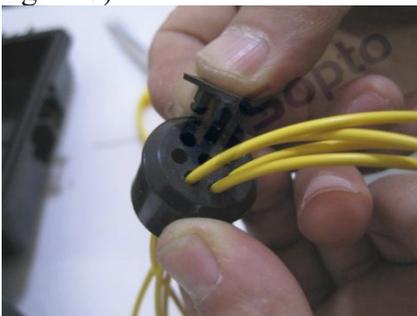
6. Fixing of Drop Cables

6.1 The drop cable seal has 8 holes, which allows 8 drop cables correspondingly. According to the number of the accessed fibers, the corresponding holes should be reserved. For example, if enter 4 drop cables, 4 holes should be cut out by the scissor.

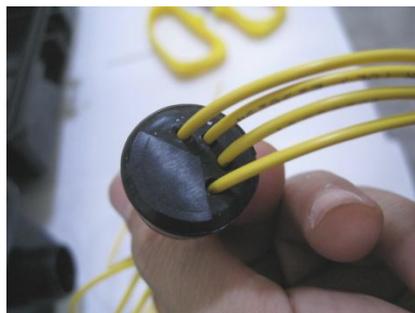


Picture 5

6.2 Put drop cables through the joint rings and seals, pin down the cable with cover plate. (figure 6, figure 7)

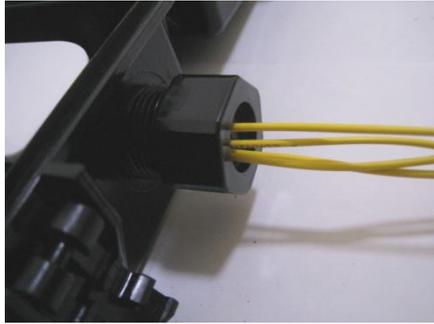


Picture 6



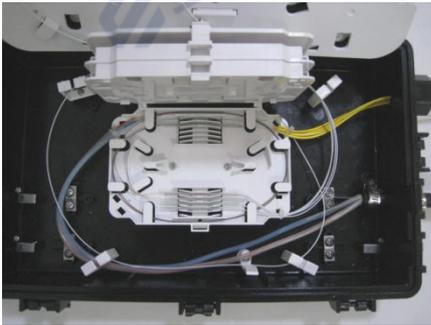
Picture 7

6.3 Insert the drop cable seals in the bottom holes of the box, fasten the plastic screws.(figure 8)

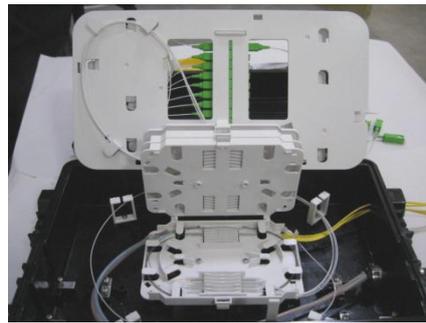


Picture 8

7. The Melting Connection Between Pigtailed and Drop Cables (Figure 9, Figure 10)



Picture 9



Picture 10

7.1 Ring cut and remove the loose buffer fiber tube at the access entry of fiber tray, expose the bare fibers, and secure the fibers with Nylon tie-wrap.

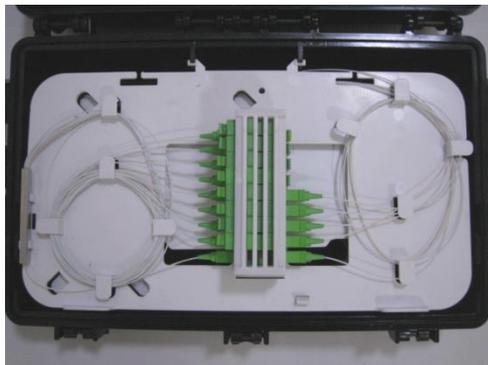
7.2 Secure the pigtailed with tie-wrap at another side of access entry, and strip

7.3 Absolutely remove the dust & oil stain on the fiber tray and then According to prescribed operation procedures & requirements to do melting, testing, melting protection, fixing the fused joint and marking. And put extra fibers inside the fiber tray regularly.

7.4 After finishing the fusion on the fiber tray, insert the pigtailed to the front side of flipping board through side holes. If the coil of pigtailed goes anti clockwise, the pigtailed needs to be drew into the back side of flipping board with opposite direction, then insert the pigtailed to the front through side holes.

8.Connection Between Pigtailed and Splitters (Figure 11)

8.1 At the right side of the flipping board, the pigtailed coil and then insert into the splitter.



Picture 11

9.Aerial Installation

- 9.1 Secure the aerial buckles on the cabinet with M6x10 Stainless bolts.
- 9.2 Hang the ODB on steel wire with two buckles.



Picture 12



Picture 13

Storage

The SPFC-PO-16M-2/2D should be put under good ventilation condition and on the frames, which are 20mm away from the ground and wall of warehouse; temperature range: -25 to 40 degree;relative humidity should not be more than 85% (30 Celsius degree); the acid & alkali figures and the content of other harmful gases should meet environment protection requirement.

Ordering information

Part Number	Product Description
SPFC-PO-16M-2/2D	Fiber Closure Overhead type support Splitter 16 Cores Max , 24 Cores Splice Tray 2 IN 2 OUT Mechanical Splicing support 1:16/1:8(2PCS) Max type D

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