



User Manual

SUN-FOSC-ZT604 Series

Fiber Optic Splice Closure

English

Table: SUN-UM-CM-FOSC006

Version: A/0

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1. Scope of application

This Installation Manual is suit for the Fiber Optic Splice Closure. The scope of application is: aerial, underground, pipeline, handhold. The ambient temperature ranges from -40 to 65°C.

2. Applicable temperature

- -1~+45°C (Temperature for operation)
- -50~+70°C (Temperature for storage and transportation)
- -40~+65°C (The ambient temperature ranges)

3. Stripping fiber cable

3.1 When branch cable stripping, should put the length of the fiber optic cable skin peeled off as about 1200 mm, Reserve reinforced core in 85 mm length and cut off the unnecessary ones. See figure 1



Figure 1

3.2 When straight-through cable stripping, should put the length of the fiber optic cable skin peeled off as about 1600 mm, Reserve reinforced core in 85 mm length and cut off the unnecessary ones. See figure 2

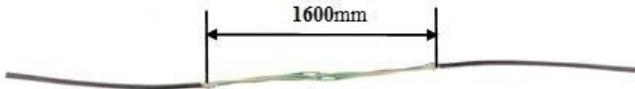


Figure 2

4. Fixing fiber cable.

4.1 Fixed cable and reinforced core according to the picture below. See figure 3

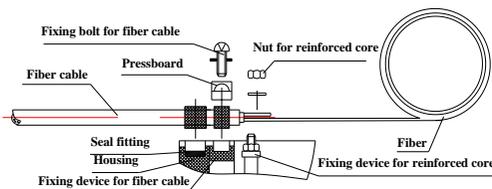


Figure 3

4.2 Splice Fibers, install heat shrinkable protective sleeve

See figure 4 follow user manual of fusion splicing machine to splice fiber cores. When having completed splicing the fibers, the first fiber ring should be housed on the farthest side of FOST, the remaining fiber should be winded, forming a ring with diameter not less than 80mm. then put it into FOST (Fiber Optic Splice Tray).together with heat shrinkable sleeve for splice protection.

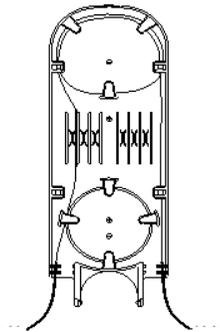


Figure 4

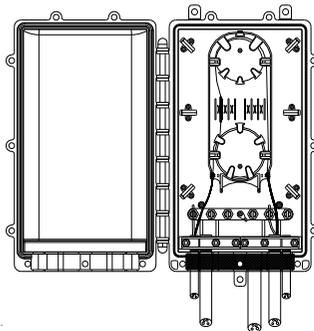


Figure 5

4.3 Check up comprehensively

To ensure the technical requirements, the following instructions must be followed:

- Fibers with protective coat are fixed with nylon tie at the entrance of FOS.
- Grommet should be pressed from inside to outside in order to properly install FOST.
- If there are fibers with protective coat reserved, wind it into the fiber holding tray.
- Check whether the internal tightness and reinforced core are well tightened.
- Check whether gasket ring is installed neatly and smoothly without any breakage. If not, level it up with seal tape.
- Important issues: If any problems occur, they should be solved right away. See figure 5

5. Assemble FOSC housing

- 5.1 The fibers in the FOST are spliced and installed orderly. The curved diameter of fiber meets with the technical requirements
- 5.2 The internal tighteners are tightened.
- 5.3 The inlet/outlet ports without fiber cables must be blocked up with the port plugs.
- 5.4 Control the amount of seal tape within a proper range.
- 5.5 Seal fitting is installed neatly and smoothly.
- 5.6 Seal the cover of seal fitting.

6. The installation and fixed of FOSC

- 6.1 If the FOSC is for aerial application, then put the hanging hook on one side of the closure and then tighten fixing bolts on one sides. Otherwise tighten the four fixing bolts on two corners respectively. See Figure 7
- 6.2 Wall mounting installation, use of hanging wall accessories. See Figure 8

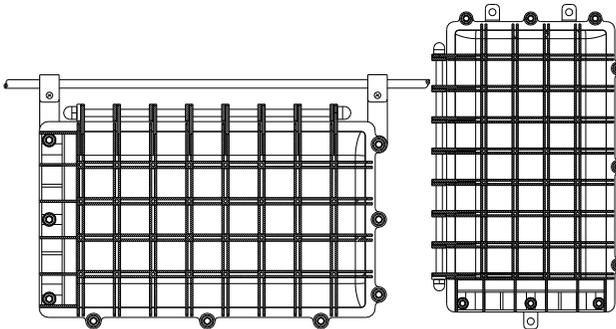


Figure 7

Figure 8

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