

Fiber Optic Splice Closure

TE-OSC-12V

Overview

TE Platform TE-OSC-12V fiber optic splice closures (FOSC) are used to distribute, splice, and store the outdoor optical cables which enter and exit from the ends of the closure. There are two connection ways: direct connection and splitting connection. Applicable to situations such as overhead, man-well of pipeline, embedded situation etc.



Features

- The protection grade reaches IP 68.
- Aerial and wall-mounting.
- Ambient temperature ranges from -40 to 65°C.
- The closure is of small volume, big capacity and convenient maintenance.
- The closure casing is made of quality engineering plastics, and of good performance of anti-erosion against acid and alkali salt, anti-aging, as well as smooth appearance and reliable mechanical structure.
- The mechanical structure is reliable and has the performance of resisting wild environment and intensive climate changes and serious working environment.
- The splice trays (FOST) inside the closure are turn-able like booklets, and have adequate curvature radius and space for winding optical fiber to make sure the curvature radius for optical winding 40 mm. Each optical cable and fiber can be operated individually.



Dimensions and Capacity

| | |
|--------------------------------------|----------------------------|
| Outside Dimensions (Height*Diameter) | 299mm*178mm |
| Weight (excluding outside box) | 1550g - 1740g |
| Number of Inlet / Outlet Ports | 4 pieces in general |
| Diameter of Fiber Cable | Φ8mm - Φ20mm |
| Capacity of FOSC | Bunchy: 6 cores - 48 cores |

Main Components

| Name of Components | Quantity | Usage | Remarks |
|--------------------------|-----------------------|---|-----------------------------------|
| FOSC Cover | 1 piece | Protecting fiber cable splices in whole | Height*Diameter: 226*132 (mm) |
| Splice Tray (FOST) | Max. 4 trays (bunchy) | Fixing heat shrink protective sleeve and holding fibers | Bunchy: 12 (cores) |
| Fiber Holding Tray | 1 piece | Holding fibers with protective coat | N/A |
| Base | 1 set | Fixing internal and external structure | N/A |
| Plastic Hoop | 1 set | Fixing between FOSC cover and base | N/A |
| Seal Fitting | 1 piece | Sealing between FOSC cover and base | N/A |
| Pressure Testing Valve | 1 set | After inject air, it is used for pressure testing and sealing testing | Configuration as per requirement. |
| Earthing Deriving Device | 1 set | Deriving metallic parts of fiber cables in FOSC for earthing connection | Configuration as per requirement. |

Main Accessories and Special Tools

| Name of Components | Quantity | Usage | Remarks |
|------------------------------------|------------|--|----------------------------------|
| Heat Shrink Protective Sleeve | N/A | Protecting fiber splices | Configuration as per capacity |
| Nylon Tie | N/A | Fixing fiber with protective coat | Configuration as per capacity |
| Heat Shrink Fixing Sleeve (single) | N/A | Fixing and sealing single fiber cable | Configuration as per requirement |
| Heat Shrink Fixing Sleeve (mass) | N/A | Fixing and sealing mass of fiber cable | Configuration as per requirement |
| Branching Clip | N/A | Branching fiber cables | Configuration as per requirement |
| Earthing Wire | 1 piece | Putting through between earthing devices | N/A |
| Desiccant | 1 bag | Put into FOSC before sealing for desiccating air | N/A |
| Labeling Paper | 1 piece | Labeling fiber | N/A |
| Special Wrench | 1 piece | Tightening nut of reinforced core | N/A |
| Metal Hoop | 1 set | For wall mounting and pole hugging | N/A |
| Buffer Tube | Customized | Hitched to fibers and fixed with FOST, managing buffer | Configuration as per requirement |

Necessary Tools for Installation

Supplementary Materials (to be provided by operator)

| Name of Materials | Usage |
|-------------------|------------------------------|
| Scotch Tape | Labeling, temporarily fixing |
| Ethyl Alcohol | Cleaning |
| Gauze | Cleaning |

Special Tools (to be provided by operator)

| Name of Tools | Usage |
|----------------|--|
| Fiber Cutter | Cutting off fibers |
| Fiber Stripper | Strip off protective coat of fiber cable |
| Combo Tools | Assembling FOSC |

Universal Tools (to be provided by operator)

| Name of Tools | Usage and Specification |
|--------------------|---|
| Band tape | Measuring fiber cable |
| Pipe cutter | Cutting fiber cable |
| Electrical cutter | Take off protective coat of fiber cable |
| Combination pliers | Cutting off reinforced core |
| Screwdriver | Crossing/Paralleling screwdriver |
| Scissor | N/A |
| Waterproof cover | Waterproof, dust-proof |
| Metal wrench | Tightening nut of reinforced core |

Splicing and Testing Instruments (to be provided by operator)

| Name of instruments | Usage and Specification |
|----------------------------|-----------------------------------|
| Fusion Splicing Machine | Fiber splicing |
| OT DR | Splicing testing |
| Provisional splicing tools | Provisional testing |
| Fire sprayer | Sealing heat shrink fixing sleeve |

Shipping Information

| Specification | Carton Size | Capacity | Net Weight | Remarks |
|---------------|-------------------|----------|-----------------|-----------------------------|
| Inner Box | 300mm*170mm*170mm | 1 pc | 1.65kg- 1.85kg | Configuration as per weight |
| Outer Box | 900mm*370mm*320mm | 10 pcs | 16.5kg - 18.5kg | Configuration as per weight |

Notice: The above-mentioned tools and testing instruments should be provided by the operators themselves.

Part Details



Packing



