

Fiber Optic Splice Closure

GPJ83 - H13

Overview

LongXing GPJ83-H13 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 (L*W*H) | 460mm*182mm*120mm |
| Weight (excluding outside box) | 2300g - 2500g |
| Number of Inlet / Outlet Ports | 2 pieces on each side (total 4 pieces) |
| Diameter of Fiber Cable | Φ5mm - Φ20mm |
| Capacity of FOSC | Bunchy: 12 cores - 96 cores Ribbon: up to 144 cores |

Main Components

| Name of Components | Quantity | Usage | Remarks |
|--------------------------|--|---|--|
| Housing | 1 set | Protecting fiber cable splices in whole | Internal diameter: 460*182*60(mm) |
| Earthing Deriving Device | 1 set | Deriving metallic components of fiber cable in the FOSC for earthing connection | Configuration as per requirement |
| Splice Tray (FOST) | Max. 4 pieces (bunchy) or 4 pieces (ribbon) | Fixing heat shrink protective sleeve and holding fibers | Bunchy: 12, 24 (cores) Ribbon: 6 pieces |
| Foundation | 1 set | Fixing fiber cable, reinforced core and FOST | N/A |
| Seal Fitting | 1 set | Sealing between FOSC cover and FOSC bottom | N/A |
| Port Plug | 6 pieces | Sealing empty ports | N/A |

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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 |
| Insulation Tape | 1 roll | Enlarging diameter of fiber cable for easy fixing | N/A |
| Seal Tape | 1 roll | Enlarging diameter of fiber cable which fits in with seal fitting | Configuration as per specification |
| Hanging Hook | 1 set | For aerial use | N/A |
| Earthing Wire | 1 piece | Putting through between earthing devices | Configuration as per requirement |
| Abrasive Cloth | 1 piece | Scratching fiber cable | N/A |
| Labeling Paper | 1 piece | Labeling fiber | N/A |
| Special Wrench | 3 piece | Fixing bolts, tightening nut of reinforced core | N/A |
| Desiccant | 1 bag | Put into FOSC before sealing for desiccating air | Configuration as per requirement |
| 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 |
| OTDR | Splicing testing |
| Provisional splicing tools | Provisional testing |

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

Shipping Information

| Specification | Carton Size | Capacity | Net Weight | Remarks |
|---------------|-------------------|----------|-----------------|-----------------------------|
| Inner Box | 475mm*195mm*127mm | 1 pc | 2.4kg - 2.6kg | Configuration as per weight |
| Outer Box | 615mm*480mm*410mm | 9 pcs | 21.6kg - 23.4kg | Configuration as per weight |

Part Details



Packing

