

Fiber Optic Splice Closure

GPJ83 - H04

Overview

LongXing GPJ83-H04 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) | 450mm*220*110mm |
| Weight (excluding outside box) | 2750g - 3200g |
| Number of Inlet / Outlet Ports | 3 (pieces) on each side (total 6 pieces) |
| Diameter of Fiber Cable | Φ5mm –Φ23mm |
| Capacity of FOSC | Bunchy: 12 cores - 96 cores Ribbon: 72-288 cores |

| Main Components | | | |
|--------------------------|---|---|---|
| Name of Components | Quantity | Usage | Remarks |
| Housing | 1 set | Protecting fiber cable splices in whole | Internal diameter: 378x136 (mm) |
| Splice Tray (FOST) | Max. 4 pieces (either bunchy or ribbon) | Fixing heat shrinkable protective sleeve and holding fibers | Bunchy: 6,12,24 (cores) Ribbon:3, 6 pieces |
| Insert plate | 2 pairs | Fixing the housing | 175x56x30(mm) |
| Foundation | 1 set | Fixing reinforced core of fiber- cable and FOST | N/A |
| Port plug | 6 pieces | Sealing empty ports | 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 |
|-----------------------------------|------------|---|---|
| Insulation Tape | 1 roll | Enlarging diameter of fiber cable for easy fixing | N/A |
| Nylon Tie | N/A | Fixing fiber with protective coat | Configuration as per capacity |
| Heat shrinkable protective sleeve | N/A | Protecting fiber splices | Configuration as per capacity |
| Hanging hook | 1 set | For aerial use | N/A |
| Earthing Wire | 1 piece | Putting through between earthing devices | To put through as per actual requirement |
| Abrasive cloth | 1 piece | Scratching fiber cables | N/A |
| Labeling Paper | 1 piece | Labeling fibers | N/A |
| Special Wrench | 3 piece | Installing and tightening nut of reinforced core and nut (plastic) of inlet/outlet tube | N/A |
| Measuring Paper | 1 piece | To measure perimeter of fiber cable, of which the diameter is enlarged with seal tape | To measure perimeter with the corresponding measuring paper |
| Seal Tape | 1 ring | Enlarging diameter of fiber cable which fits in withgasket ring. | Configuration as per specification |
| Buffer Tube | Customized | Hitched to fibers and fixed with FOST, managing buffer | Configuration as per requirement |
| Desiccant | 1 bag | Put into FOSC before sealing for desiccating air | N/A |

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 |

Shipping Information

| Specification | Carton Size | Capacity | Net Weight | Remarks |
|---------------|-------------------|----------|----------------|-----------------------------|
| Inner Box | 458mm*215mm*120mm | 1 pc | 2.85kg - 3.3kg | Configuration as per weight |
| Outer Box | 635mm*465mm*470mm | 10 pcs | 28.5kg - 33kg | Configuration as per weight |

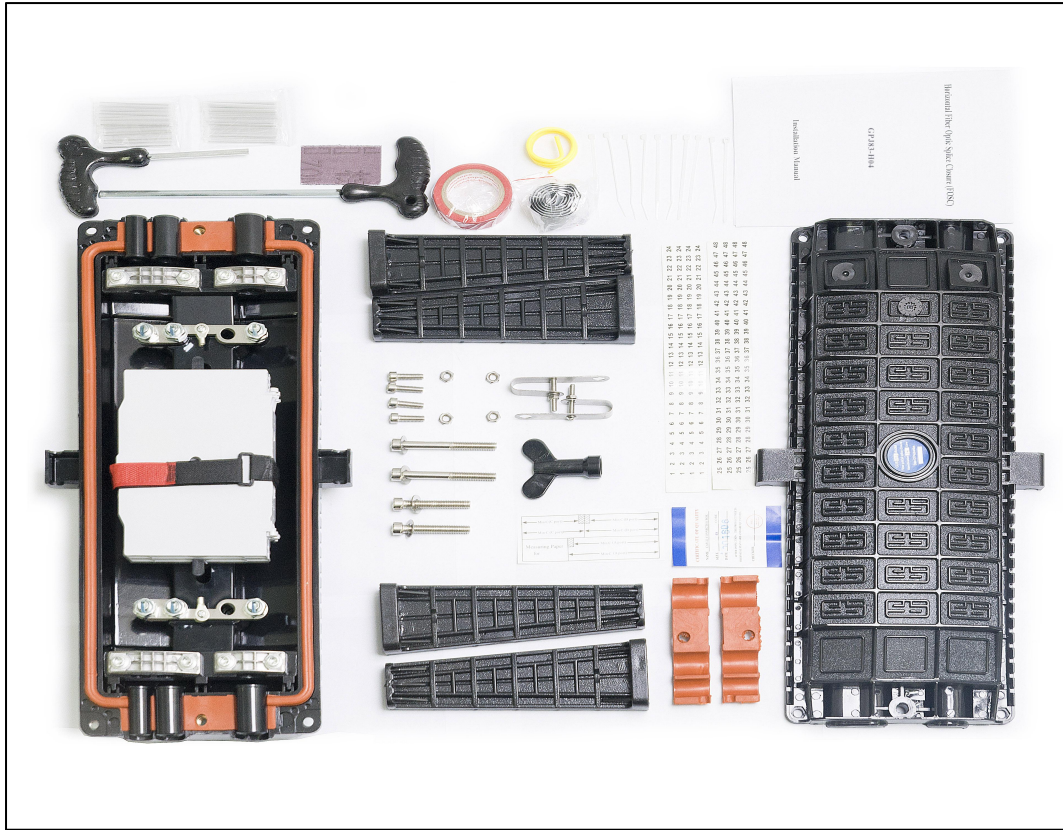
Notice: The above-mentioned tools and testing instruments should be provided by the operators themselves.

Part Details

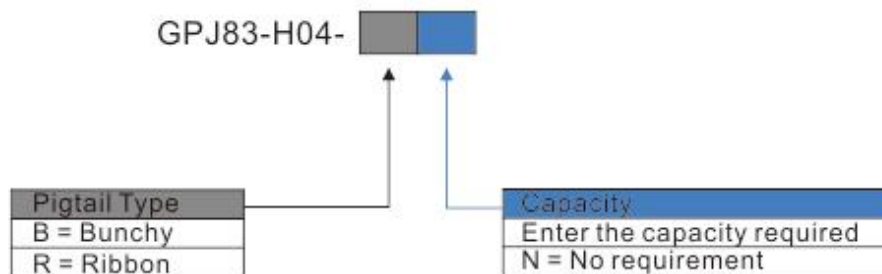




Packing



Catalog Number



Ordering Example:

GPJ83-H04-B96: Bunchy pigtail, 96 cores.

Note : *If the required type of any item is not on the relevant list, please use "O" or "OO" as the red cells indicate, and kindly state the required type in the description of PO.

More relevant designs for your reference.

| Model | Dimensions (L*W*H) / (H*Dia) mm | Capacity (Cores) | | Number of Inlet/Out Ports | Cable Diameter (mm) |
|-----------|------------------------------------|------------------|-----------|--|------------------------|
| | | Bunchy | Ribbon | | |
| GPJ83-H01 | 390*210*120 | 12—96 | 72—144 | 3 pieces on each side (total 6 pieces) | Φ5—Φ16 |
| GPJ83-H02 | 320*210*85 | 12—96 | up to 144 | 6 pieces | Φ5—Φ20 |
| GPJ83-H03 | 280*200*90 | 12—96 | up to 144 | max. 4 pieces | Φ5—Φ20 |
| GPJ83-H04 | 450*220*110 | 12—192 | 72—288 | 3 (pieces) on each side (total 6 pieces) | Φ5—Φ23 |
| GPJ83-H05 | 450*220*160 | 12—192 | 72—288 | 3 pieces on each side (total 6 pieces) | Φ5—Φ23 |
| GPJ83-H06 | 395*195*130 | 12—96 | 72—144 | 3 pieces on each side (total 6 pieces) | Φ5—Φ20 |
| GPJ83-H07 | 470*180*125 | 12—96 | up to 144 | 3 (pieces) on each side (total 6 pieces) | Φ5—Φ20 |
| GPJ83-H08 | 340*150*70 | 12—48 | 36—72 | 2 pieces on each side (total 4 pieces) | Φ5—Φ16 |
| GPJ83-D01 | 430*190 | 12—96 | up to 288 | 4 pieces | Φ5—Φ18 |
| GPJ83-D02 | 540*205 | 24—96 | up to 288 | 5 pieces | Φ5—Φ36 |
| GPJ83-D03 | 420*190 | 12—96 | up to 144 | 5 pieces | Φ5—Φ25 |
| GPJ83-D04 | 480*220 | 12—288 | up to 432 | 6 pieces | Φ5—Φ18 |
| GPJ83-D05 | 310*190 | 12—48 | up to 72 | 4 pieces | Φ5—Φ17 |
| GPJ83-D06 | 460*190 | 12—96 | up to 144 | 4 pieces | Φ8—Φ16 |
| GPJ83-D07 | 310*190 | 12-48 | N/A | 4 pieces | Φ5—Φ25 |