

# Fiber Optic Splice Closure

GPJ83 - D14

## Overview

LongXing GPJ83-D14 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)	435mm*190mm
Weight (excluding outside box)	2350g - 2600g
Number of Inlet / Outlet Ports	5 pieces in general
Diameter of Fiber Cable	Φ8mm - Φ25mm
Capacity of FOSC	Bunchy: 12 cores - 96 cores Ribbon: up to 288 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. 6 trays (bunchy) Max. 4 trays (bunchy)	Fixing heat shrink protective sleeve and holding fibers	Bunchy: 12, 24 (cores) Ribbon: 6 (pieces)
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
Aluminum Foil Paper	1 piece	To protect the bottom of FOSC	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
Fire sprayer	Sealing heat shrink fixing sleeve

## Shipping Information

Specification	Carton Size	Capacity	Net Weight	Remarks
Inner Box	200mm*170mm*455mm	1 pc	2.45kg - 2.7kg	Configuration as per weight
Outer Box	885mm*420mm*275mm	10 pcs	24.5kg - 27kg	Configuration as per weight

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

## Part Details



