

Fiber Optic Splice Closure

GPJ83 - H10

Overview

LongXing GPJ83-H10 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)	450mm*220mm*110mm
Weight (excluding outside box)	2800g - 3300g
Number of Inlet / Outlet Ports	4 pieces on each side (total 8 pieces)
Diameter of Fiber Cable	Φ8mm - Φ20mm
Capacity of FOSC	Bunchy: 12 cores - 96 cores Ribbon: max. 144 cores

Main Components

Name of Components	Quantity	Usage	Remarks
Housing (bottom)	1 set	Protecting fiber cable splices in whole	Internal diameter: 340*122 (mm)
Insert Plate	1 set	Fixing the housing	175*56*30 (mm)
Splice Tray (FOST)		Fixing heat shrink protective sleeve and holding fibers	Bunchy:12,24 (cores) Ribbon: 3 (pieces)
Foundation	1 set	Fixing fiber cable, reinforced core and FOST	N/A
Seal Fitting	8 sets	Sealing between FOSC cover and FOSC bottom	N/A
Port Plug	4 pieces	Sealing empty ports	N/A
Pressure Testing Value	1 set	After injecting air, it is used for pressure testing and sealing testing	Configuration as per requirement
Earthing Deriving Device	4 pieces	Deriving metallic parts of fiber cable 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
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	N/A
Abrasive Cloth	1 piece	Grind the fiber	N/A
Labeling Paper	1 piece	Labeling fiber	N/A
M8 Special Wrench	1 piece	Fixing bolts of housing and insert plate	N/A
M6 Special Wrench	1 piece	Fixing small bolts of housing	N/A
M10 Special Wrench	1 piece	Tightening nut of reinforced core	N/A
Instruction Manual	1 piece	Standard installation	N/A

Optional Accessories

Name of Components	Quantity	Usage	Remarks
Pressure Testing Valve	1 set	After injecting air it is used for pressure testing and sealing testing	Configuration as per capacity
Earthing Deriving Device	1 set	Deriving metallic components of fiber cable in the FOSC for earthing connection	Configuration as per capacity
Desiccant	1 bag	Put into FOSC before sealing for desiccating air	Configuration as per capacity
Buffer Tube	decided by customers	Hitched to fibers and fixed with FOST, managing buffer	Configuration as per specification

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

Shipping Information

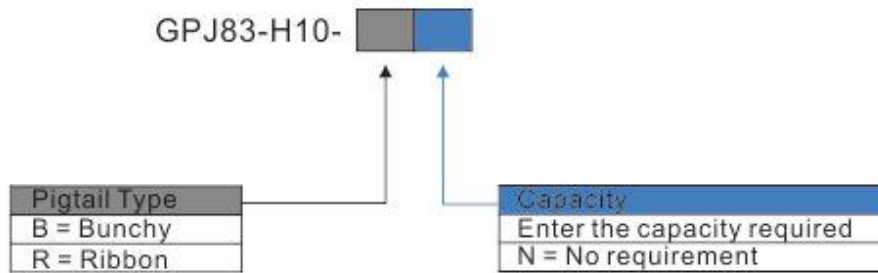
Specification	Carton Size	Capacity	Net Weight	Remarks
Inner Box	460mm*220mm*110mm	1 pc	2.9kg - 3.4kg	Configuration as per weight
Outer Box	610mm*480mm*470mm	10 pcs	39kg - 34kg	Configuration as per weight



Packing



Catalog Number



Ordering Example:

GPJ83-H10-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-H09	605*215*120	48—144	up to 576	2 pieces on each side (total 4 pieces)	Φ8—Φ23
GPJ83-H10	450*220*110	12—96	up to 144	4 pieces on each side (total 8 pieces)	Φ8—Φ20
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
GPJ83-D10	470*210	24-144	up to 432	5 pieces in general	Φ8—Φ38