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

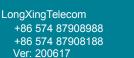
- The protection grade reaches IP 68.
- Aerial and wall-mounting.
- Ambient temperature ranges from -40 to 65°C.
- The closure is of small volume, big capacity and convenient maintenance.
- The closure casing is made of quality engineering plastics, and of good performance of anti-erosion against acid 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	Ф8mm - Ф25mm	
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)
Online Tree (FOOT)	Max. 6 trays (bunchy)		Bunchy: 12, 24 (cores)
Splice Tray (FOST)	Max. 4 trays (bunchy)	Fixing heat shrink protective sleeve and holding fibers	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		







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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

















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Packing







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