

Dome Fiber Optic Splice Closures - Mechanical Sealing 204A

DOMES CLOSURES

D01 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 & CAPACITY

Outside Dimensions (Height*Diameter)	430mm*190mm
Weight (excluding outside box)	2670g - 2900g
Number of Inlet / Outlet Ports	4 pieces
Diameter of Fiber Cable	ø 5mm - ø 18mm
Capacity of FOSC	Bunchy: 12 cores - 96 cores Ribbon: up to 288 cores

STANDARDS



MAIN COMPONENTS

Name of Components	Quantity	Usage	Remarks
FOSC Cover	1 piece	Protecting fiber cable splices in whole	Height*Diameter: 355*150 (mm)
Splice Tray (FOST)	Max. 6 trays (bunchy) Max. 4 trays (ribbon)	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.
Seal rings for inlet/outlet ports	4 pieces	For the inner seal of inlet/outlet ports; the diameter is 12.5mm, can shrink to 7mm	N/A

| MAIN ACCESSORIES & 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 gasket ring.	Configuration as per capacity
Earthing Wire	1 piece	Putting through between earthing devices	To put through as per actual
Abrasive cloth	1 piece	Scratching fiber cables	N/A
Labeling Paper	1 piece	Labeling fibers	N/A
Special Wrench	2 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 with gasket ring.	Configuration as per specification
Insulation Tape	1 ring	Enlarging diameter of fiber cable for easy fixing	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
Desiccant	1 bag	Put into FOSC before sealing for desiccating air	N/A

| APPLICATION

Telecommunications
Fiber to the home (FTTH)
LAN/WAN

| STANDARD COMPLIANCE

TIA/EIA 568.C	IEC 60304
ISO/IEC 11801	IEC 61754
EN 50173	ANSI/TIA/ EIA 568.3-D



| ORDERING

Part Numbers	Dimensions (L*W*H)/ (H*Dia) mm	Capacity		No. of Inlet/Out Ports	Cable Diameter (mm)
		Bunchy	Ribbon		
14F12-204A	430*190	12-96	up to 288	4 pieces	5-18