Fiber Optic Splice Closure

TE-OSC-24H

Overview

TE-OSC-24H 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℃.
- 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)	460mm*182mm*120mm
Weight (excluding outside box)	2300g - 2500g
Number of Inlet / Outlet Ports	2 pieces on each side (total 4 pieces)
Diameter of Fiber Cable	Φ5mm - Φ20mm
Capacity of FOSC	Bunchy: 12 cores - 96 cores Ribbon: up to 144 cores

Main Components

Name of Components	Quantity	Usage	Remarks
Housing	1 set	Protecting fiber cable splices in whole	Internal diameter: 460*182*60(mm)
Earthing Deriving Device	1 set	Deriving metallic components of fiber cable in the FOSC for earthing connection	Configuration as per requirement
Splice Tray (FOST)	Max. 4 pieces (bunchy) or 4 pieces (ribbon)	Fixing heat shrink protective sleeve and holding fibers	Bunchy: 12, 24 (cores) Ribbon: 6 pieces
Foundation	1 set	Fixing fiber cable, reinforced core and FOST	N/A
Seal Fitting	1 set	Sealing between FOSC cover and FOSC bottom	N/A
Port Plug	6 pieces	Sealing empty ports	N/A

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	Configuration as per requirement
Abrasive Cloth	1 piece	Scratching fiber cable	N/A
Labeling Paper	1 piece	Labeling fiber	N/A
Special Wrench	3 piece	Fixing bolts, tightening nut of reinforced core	N/A
Desiccant	1 bag	Put into FOSC before sealing for desiccating air	Configuration as per requirement
Buffer Tube	Customized	Hitched to fibers and fixed with FOST, managing buffer	Configuration as per requirement

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

Shipping Information

Specification	Carton Size	Capacity	Net Weight	Remarks
Inner Box	475mm*195mm*127mm	1 pc	2.4kg - 2.6kg	Configuration as per weight
Outer Box	615mm*480mm*410mm	9 pcs	21.6kg - 23.4kg	Configuration as per weight

Part Details