

KOSC - 005A

Scope of application

This Installation Manual suits for the Fiber Optic Splice Closure (Hereafter abbreviated as FOSC), as the guidance of proper installation.

The scope of application is: aerial, underground, pipeline, handhole. The ambient temperature ranges from -40°C ~ +65°C.



Dimension and Capacity

Item	
Outside dimension (LxWxH)	450x220x160 mm
Weight (excluding outside box)	3100g ~ 3800g
Number of inlet/outlet ports	3 (pieces) on each side(total 6 pieces)
Diameter of fiber cable	Φ7 - Φ23 (mm)
Capacity of FOSC	Bunchy: 12 - 192 (Cores) / Ribbon: max. 432(Cores)

Main components

Item	Quantity	Usage	Remarks
Housing	1 set	Protecting fiber cable splices in whole	Internal diameter: 378x136(mm)
Insert plate	2 pairs	Fixing the housing	175x56x30(mm)
Fiber optic splice tray (FOST)	Max. 4 trays(bunchy) Max. 4 trays(ribbon)	Fixing heat shrinkable protective sleeve and holding fibers	Suitable for: Bunchy: 12, 24(cores) Ribbon: 6 (pieces)
Foundation	1 set	Fixing fiber cable, reinforced core and FOST	
Seal fitting	1 set	Sealing between FOSC cover and FOSC bottom	
Port plug	6 pieces	Sealing empty ports	
Pressure testing valve	1 set	After injecting 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 accessories	Quantity	Usage	Remarks
Heat shrinkable protective sleeve		Protecting fiber splices	Configuration as per capacity
Nylon tie		Fixing fiber with protective coat	Configuration as per capacity
Insulation tape	1 roll	Enlarging diameter of fiber cable for easy fixing	
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	
Earthing wire	1 piece	Putting through between earthing devices	
Abrasive cloth	1 piece	Scratching fiber cable	
Labeling paper	1 piece	Labeling fiber	
Special wrench	3 pieces	Fixing bolts, tightening nut of reinforced core	
Measuring paper	1 piece	To measure perimeter of fiber cable, of which the diameter is enlarged with seal tape	
Buffer tube	To be decided by customers	Hitched to fibers and fixed with FOST, managing buffer	Configuration as per requirement
Desiccant	1 bag	Put into FOSC before sealing for desiccating air.	

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
Waterproof cover	Waterproof, dustproof
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
OTDR	Splicing testing
Provisional splicing tools	Provisional testing

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