

Fiber Optic Closure FOSC 400

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FOSC 400

Raychem RPG's Fiber Optic Splicing Closure FOSC 400 is used to house optical fiber splices and cables in secured condition. This closure can be designed for use with all cable constructions. FOSC 400 has established itself a Industry benchmark for quality, reliability and user friendliness. Raychem has already supplied more than one million FOSC 400 closures in the last decade and is still going strong

Applications

- Used for storing splicing
- Used for straight through and branching applications
- Applicable for Aerial as well as underground & wall mounting applications



FEATURE	BENEFIT
Water tight protection (IP68 compliant)	Can be deployed in all environments: buried, underground and aerial
Zero Additional Loss	No additional loss when optic fibers are routed in the splice trays during installation and maintenance
Unique strength member clamp assembly	Prevents cable sheath movement with temperature changes
No specialized tools needed	Easy installation
Resistance to UV and temperature fluctuation	Can be deployed in all environments: buried, underground and aerial
Proven tray splicing concept	Ensures bend radius protection and solutions for all types of fibers
Bend controls in Splicing tray	Guides and protects the pigtail cable and ensures controlled cable bending
Rugged construction	long term reliability
Easily Re-Enterable Design	Economical and Future ready
Minimal Training, No specialize tools needed	Cost savings, Easy installation
Splicing tray lid	Protects the splice fibers from coming out of the trays
Transport tubes for fibers	Prevents fiber breakage at the tray entry during installation & maintenance

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Sr. No	Description	Unit	Particulars
1	Dimension (L x D)	mm	540 x 180
2	Weight	Kg	< 3.5 Kg
3	Cable Sealing		Heat Shrink Sleeves
4	Construction Material		
	Dome		Poly-propylene
	Base		Poly-propylene
	Tray		ABS
	O Ring		Neoprene rubber
	Clamp		Glass filled Nylon
5	Type		Butt Type
6	Round port entry for cable 8-18 mm (Max)	Nos	4
7	Oval port entry for cable 10-25mm (Max)	Nos	1
8	Total no. of optical splices	Nos	144
9	Degree of protection		IP 68
10	Max no of cable entries	Nos	6
11	Maximum no of splice trays	Nos	8
12	No of splice per tray	Nos	12/24
13	Operating temperature	°C	Upto 65
14	Atmospheric pressure	KPa	70~106
15	Insulated resistance*	MΩ	>2 x 10 ⁴

Kit Contents:

- Dome
- Base with tower
- C Clamp
- O Ring
- Strength member assembly
- Grounding bolt
- Loose tube storage basket made of ABS / Aluminium
- Wire with connector
- Emery Strip
- Adhesive aluminium foil
- Splice trays with lids
- Installation Instruction



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- Splice protection sleeve
- Cable tying clamp (100 mm)
- Tissue paper(3"X4")
- Isopropyl alcohol(lab grade) 100 ml
- PVC adhesive tape (10mm width X 5 meter length)
- Velcro tape
- Round Port sealing sleeve
- 1-4 sets of Cable & fibre identification ring (1-24)
- Transport tube 3 mm
- 1-2 packets of Silica Gel of 50 gms
- Oval port sealing kit

Dome: Dome is made up of poly propylene and has ribs for having extra protection. The dome provided option of underground as well as wall-mounting and pole mounting

Base: Base is foundation on which the splicing trays are fixed. It contains 4 round ports and 1 oval port The base has provision to put grounding bolt

Clamp and O ring: The setup provides mechanical sealing to the closure for access to closure for maintenance. It helps in providing waterproof closure.

Trays: These are specially designed trays for storing upto 12 fibers per tray. It helps in maintaining bend radius and ease of fiber installation

