FOSC-OPGW

Base Product



FOSC® OPGW Fiber Optic Splice Closure

The FOSC OPGW, part of the FOSC 400 closure family, is a single-ended closure system specially developed for use on the optical grounding wires of overhead electrical power lines. The closure is suitable for use above ground; it can be attached to high voltage towers, poles, walls or other support structures.

Key Features of the FOSC OPGW closures:

- Single-ended design with valve
- A galvanized steel mounting frame holds the thermoplastic dome and base and the OPGW cable clamps
- A pole mounting kit is included which allows the closure to be mounted on a traverse strut of a high voltage tower without the need to drill holes in the metal construction
- A stainless steel shot-gun protection enclosure is optionally available. It permits the termination and sealing of:
 - 2 OPGW cables
 - 2 ADSS or conventional buried fiber optic cables
- Cable seals are manufactured from heatshrinkable material
- Internal storage utilizes FOSC splice trays which are hinged for access to any splice without disturbing other trays
- Butt splice closure
- Heat-shrink technology
- Hinging splice trays
- Superior fiber management for opticalgrounding wires

Product Classification

Regional Availability Asia | EMEA | Latin America | North America

Product Type Single-ended, round fiber closure

Product Brand FOSC®

Product Series FOSC OPGW

General Specifications

Cable Entry Drop Port StyleRoundCable Entry Main Port StyleRound

Cable Ports Quantity, total1 oval port (2 cables) + 4 round ports

Cable Sealing Type Heat shrink

Closure Sealing Type Dome-to-base clamp with O-ring

Closure Style Single-ended

Color Black

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Mounting Pole | Strand | Wall

Splicing Type, Supported Mass fusion | Single fusion

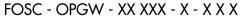
Splicing Configuration

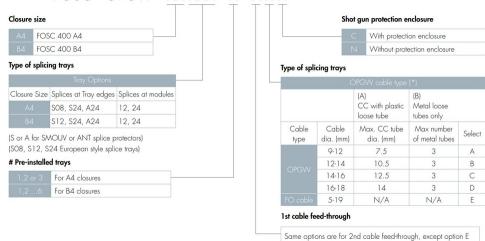
	FOSC-400A4		FOSC-400B4
Splice capacity	Splices at tray edges	Splices in modules	
Number of splice trays ^(a)	3	2	4(6)
Single fiber ^(b)	72	48	96(144)
Cable ports			
4 round ports for 1 cable each with ø range	5 - 19 mm		5 - 19 mm

(a) The B4 version can be fitted with 5 or 6 trays. However, this option must be selected when the closure is first ordered, as it requires special engineering and the standard base cannot be upgraded to accept 5 or 6 trays.

(b) Splicing capacity is based on 45 mm fusion splice protectors.

Ordering Tree





Material Specifications

Material Type Impact-resistant polymer

Environmental Specifications

Environmental Space Above ground

Qualification Standards IEC 61300, 6 m waterhead

Regulatory Compliance/Certifications

COMMSCOPE®

FOSC-OPGW

Agency

Classification

ISO 9001:2015

Designed, manufactured and/or distributed under this quality management system

