

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 optical grounding 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 Style	Round
Cable Entry Main Port Style	Round
Cable Ports Quantity, total	1 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

FOSC-OPGW

Mounting

Pole | Strand | Wall

Splicing Type, Supported

Mass fusion | Single fusion

Splicing Configuration

Splice capacity	FOSC-400A4		FOSC-400B4
	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

FOSC - OPGW - XX XXX - X - X X X

Closure size

A4	FOSC 400 A4
B4	FOSC 400 B4

Type of splicing trays

Tray Options		
Closure Size	Splices at Tray edges	Splices at modules
A4	S08, S24, A24	12, 24
B4	S12, S24, A24	12, 24

(S or A for SMOUV or ANT splice protectors)
(S08, S12, S24 European style splice trays)

Pre-installed trays

1, 2 or 3	For A4 closures
1, 2 ... 6	For B4 closures

Shot gun protection enclosure

C	With protection enclosure
N	Without protection enclosure

Type of splicing trays

OPGW cable type (*)				
Cable type	Cable dia. (mm)	Max. CC tube dia. (mm)		Select
		(A) CC with plastic loose tube	(B) Metal loose tubes only	
OPGW	9-12	7.5	3	A
	12-14	10.5	3	B
	14-16	12.5	3	C
	16-18	14	3	D
FO cable	5-19	N/A	N/A	E

1st cable feed-through

Some options are for 2nd cable feed-through, except option E

Material Specifications

Material Type

Impact-resistant polymer

Environmental Specifications

Environmental Space

Above ground

Qualification Standards

IEC 61300, 6 m waterhead

Regulatory Compliance/Certifications

FOSC-OPGW

Agency

ISO 9001:2015

Classification

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