



FOSC OPGW

FOSC Optical Grounding Wire Closure

- Butt splice closure
- Heat-shrink technology
- Hinging splice trays
- Superior fiber management for optical grounding wires

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.

The FOSC OPGW closure system has the following functions and features:

- 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 heat-shrinkable material.
- Internal storage utilizes FOSC splice trays which are hinged for access to any splice without disturbing other trays.

Dimensions and capacities

Closure size	FOSC 400 A4	FOSC 400 B4
Dimensions (in mm)		
Width x depth	202 x 240	202 x 240
Length without protection enclosure	605	715
Length with protection enclosure	730	730
Splice Capacity (in # of fibers)		
	Splices at tray edges	Splices in modules
Number of splice trays*	3	2
Single fiber**	72	48
		4
		96 (144)
Cable Ports		
4 round ports for 1 cable each with \varnothing range		

Order information

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 in modules
A4	S08, S16, S24, A24	12, 16, 24
B4	S12, S24, A24	12, 16, 24

(S or A for SMOUV or ANT splice protectors)

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

2nd cable feed-through

Cable type	Cable dia. (mm)	OPGW cable type (*)		Select
		(A) CC with plastic loose tube	(B) Metal loose tubes only	
		Max. CC tube dia. (mm)	Max. number of metal tubes	
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

(*) The selection of the feed-through depends on the type of cable.

Typically OPGW cable consist of:

- central core with plastic loose tubes inside (column A)
- or
- metal loose tubes only (column B)

1st cable feed-through

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