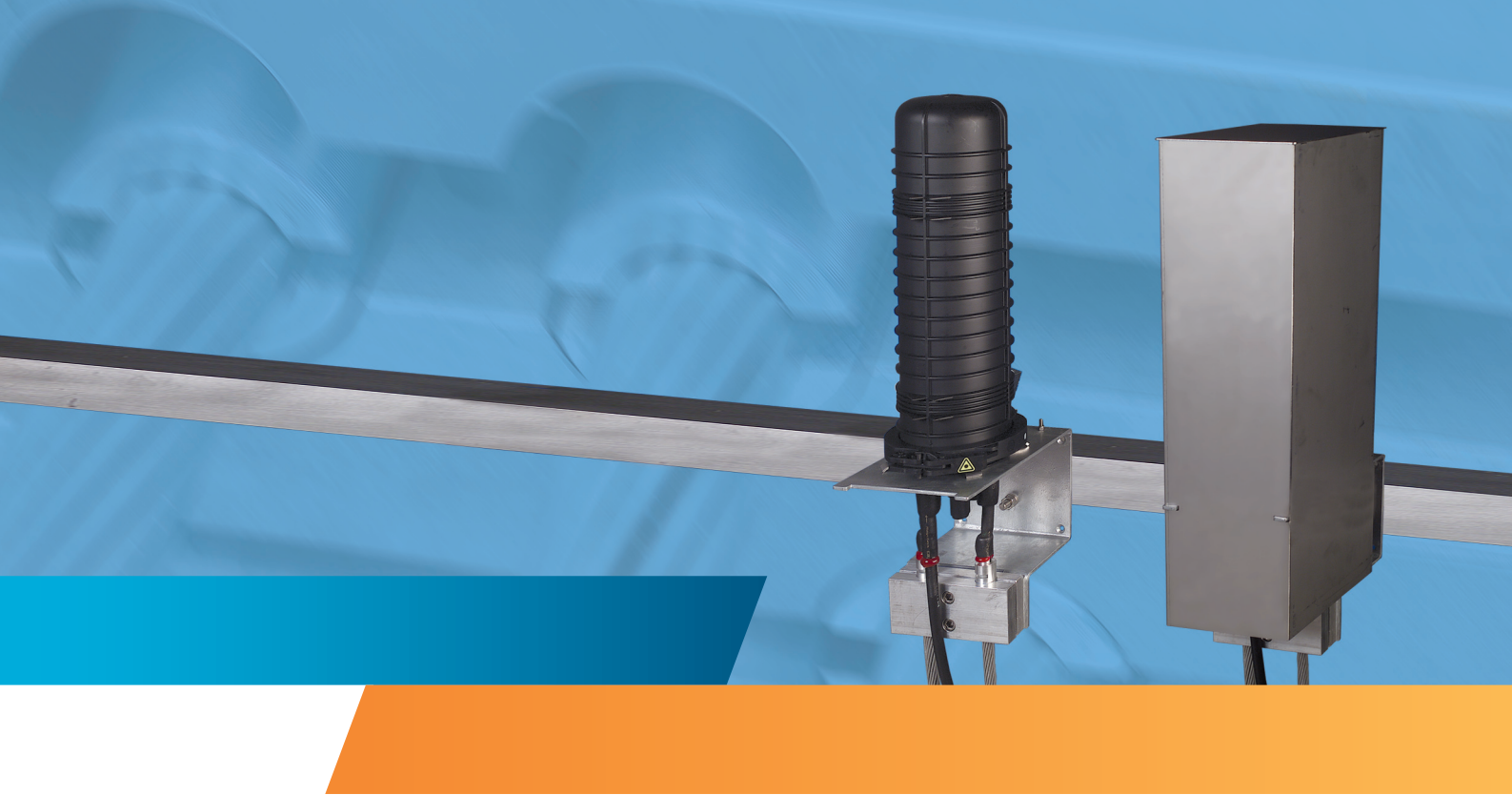




FOSC-OPGW

FOSC optical grounding wire closure

The FOSC-OPGW 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.

One model can be used for track and spur joint applications.

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 available as an option. 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 utilises FOSC splice trays which are hinged for access to any splice without disturbing other trays.

Dimensions and capacities

Closure Size	FOSC-400A4	FOSC-400B4
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 (6)
		96 (144)
Cable ports		
4 round ports for 1 cable each with ø range	5 to 19 mm	5 to 19 mm

* 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.

** Splicing capacity is based on 45 mm fusion splice protectors.

Ordering information

FOSC-OPGW - XX XXX - X - XXX

Closure size

A4 FOSC-400A4
B4 FOSC-400B4

Type of splicing trays

Closure size	Tray Options	
	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

OPGW cable type (*)				
Cable type	Cable dia. (mm)	(A) CC with plastic loose tubes	(B) Metal loose tubes only	Select
		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
	17-19	14	3	F
FO cable	5-19	N/A	N/A	E

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

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

1st cable feed-through

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

Consumables and accessories

See FOSC-OPGW ordering guide for more information.

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