

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.

Features

- Single-ended design with valve
- A galvanized steel mounting frame holds thermoplastic dome and base, and OPGW cable clamps
- Pole mounting kit included; allows closure to be mounted on traverse strut of high voltage tower without need to drill holes in metal construction
- Stainless steel shot-gun protection enclosure available as option
- Permits termination and sealing of
 - 2 OPGW cables
 - 2 ADSS or conventional buried fiber optic cables
- Cable seals manufactured from heat-shrinkable material
- Internal storage utilizes FOSC splice trays hinged for access to any splice without disturbing other trays

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Dimensions and capacities

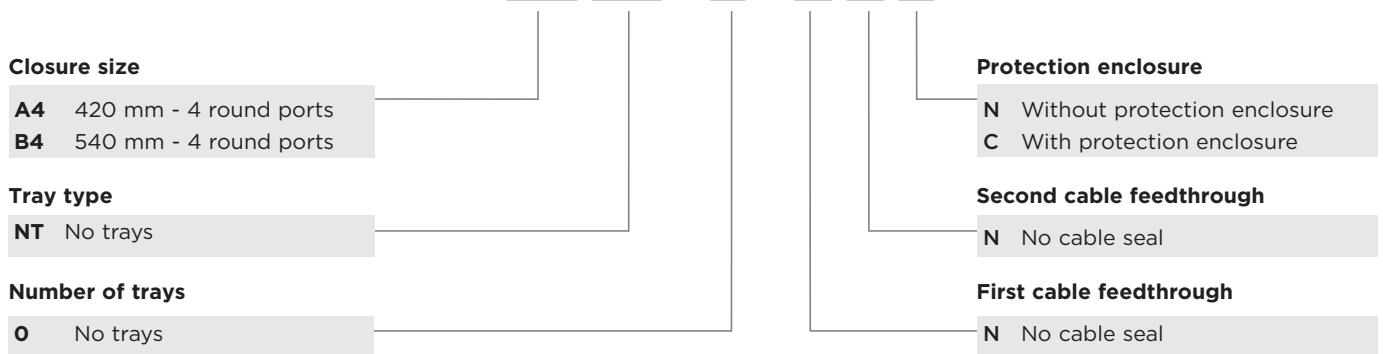
Dimensions in mm	FOSC-400A4	FOSC-400B4
Width x depth	202 x 240	202 x 240
Length without protection enclosure	605	715
Length with protection enclosure	730	730
Splice capacity	Splices at tray edges	Splices in modules
Number of splice trays ^(a)	3	2
Single fiber ^(b)	72	48
Cable ports		
4 round ports for 1 cable each with \varnothing 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 information

FOSC-OPGW - XX NT - O - N N X



Splice trays and cable seals are ordered separately. Please see the following page for information.

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Splice trays

Splices in splice protectors at tray exterior

Trays for closure size A4

Ordering number

8 splices; 8 SMOUV splice protectors (45 mm)	FOSC-A-TRAY-S08-1
24 splices; 24 SMOUV splice protectors (45 mm)	FOSC-A-TRAY-S24-1
24 splices; 24 ANT splice protectors	FOSC-A-TRAY-A24-1
4 splice protectors for ribbon cable with 4 fibers	FOSC-A-TRAY-4R4-1

Trays for closure size B4

Ordering number

12 splices; 12 SMOUV splice protectors (45 mm)	FOSC-B-TRAY-S12-1
24 splices; 24 SMOUV splice protectors (45 mm)	FOSC-B-TRAY-S24-1
24 splices; 24 ANT splice protectors	FOSC-B-TRAY-A24-1
6 splice protectors for ribbon cable with 4 fibers	FOSC-B-TRAY-6R4-1

Splices in splice protectors at tray interior

Trays for closure size A4

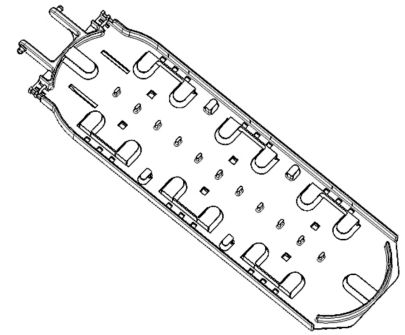
Ordering number

12 splice protectors (2 modules, 6 splices/module)	FOSC-A-TRAY-12
24 splice protectors (2 modules, 12 splices/module)	FOSC-A-TRAY-24

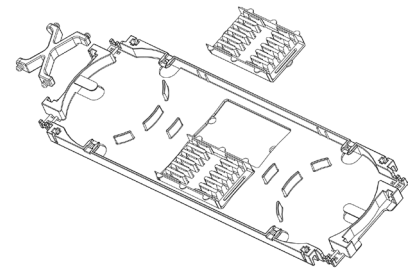
Trays for closure size B4

Ordering number

12 splice protectors (2 modules, 6 splices/module)	FOSC-B-TRAY-12-1
24 splice protectors (2 modules, 12 splices/module)	FOSC-B-TRAY-24-1



Splice protectors at tray exterior



Splice protectors at tray interior

Cable feedthrough and seal kits



FOSC-OPGW-CSEAL-(A, B, C, D, F)



FOSC-OPGW-CSEAL-E

Kits contain:

- Heat-shrink tubing seal to connect central tube from cable to metal feedthrough
- Abrasive paper
- Cleaning tissue
- Aluminum tape

Kits A, B, C, D, F also include:

- Metal feedthrough
- Cable build-up for single metal loose tube cable
- Cable build-up for multiple metal loose tube cable

Kit E also includes:

- Metal dummy rod

Cable type	Cable \varnothing in mm	Maximum \varnothing central core tube in mm	Maximum number metal tubes	Ordering number
OPGW	9-12	7.5	3	FOSC-OPGW-CSEAL-A
OPGW	12-14	10.5	3	FOSC-OPGW-CSEAL-B
OPGW	14-16	12.5	3	FOSC-OPGW-CSEAL-C
OPGW	16-18	14	3	FOSC-OPGW-CSEAL-D
OPGW	17-19	14	3	FOSC-OPGW-CSEAL-F
Fiber optic	5-19	n/a	n/a	FOSC-OPGW-CSEAL-E

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Cable clamp



FOSC-OPGW-CLAMP-3/4

Description	Ordering number
Cable clamp for two extra OPGW cables	FOSC-OPGW-CLAMP-3/4

For more technical options and order quantity information, please consult the product ordering guide or your local sales representative.

DATA SHEET



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