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

EVERY CONNECTION COUNTS

TE connectivity

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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	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 information

FOSC-OPGW - XX NT - 0 - N N X

Closure size

A4	420 mm - 4 round ports
B4	540 mm - 4 round ports

Tray type

NT	No trays

Number of trays

0	No trays

Protection enclosure

N	Without protection enclosure
C	With protection enclosure

Second cable feedthrough

N	No cable seal

First cable feedthrough
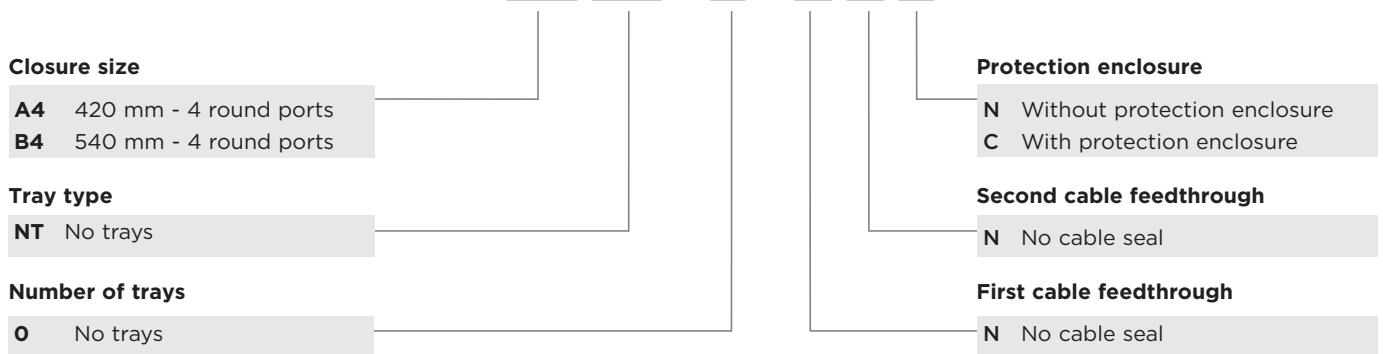
N	No cable seal

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 spice 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 spice 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
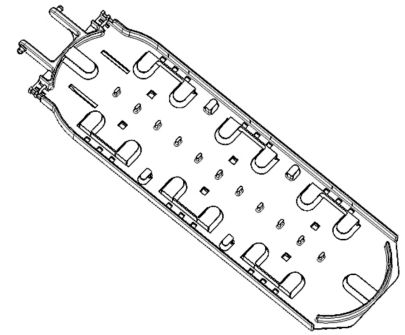
Splice protectors at tray exterior
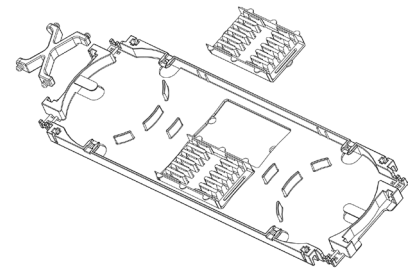
Splice protectors at tray interior

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 ø in mm	Maximum ø 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

TE connectivity