![COMMSCOPE®]

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
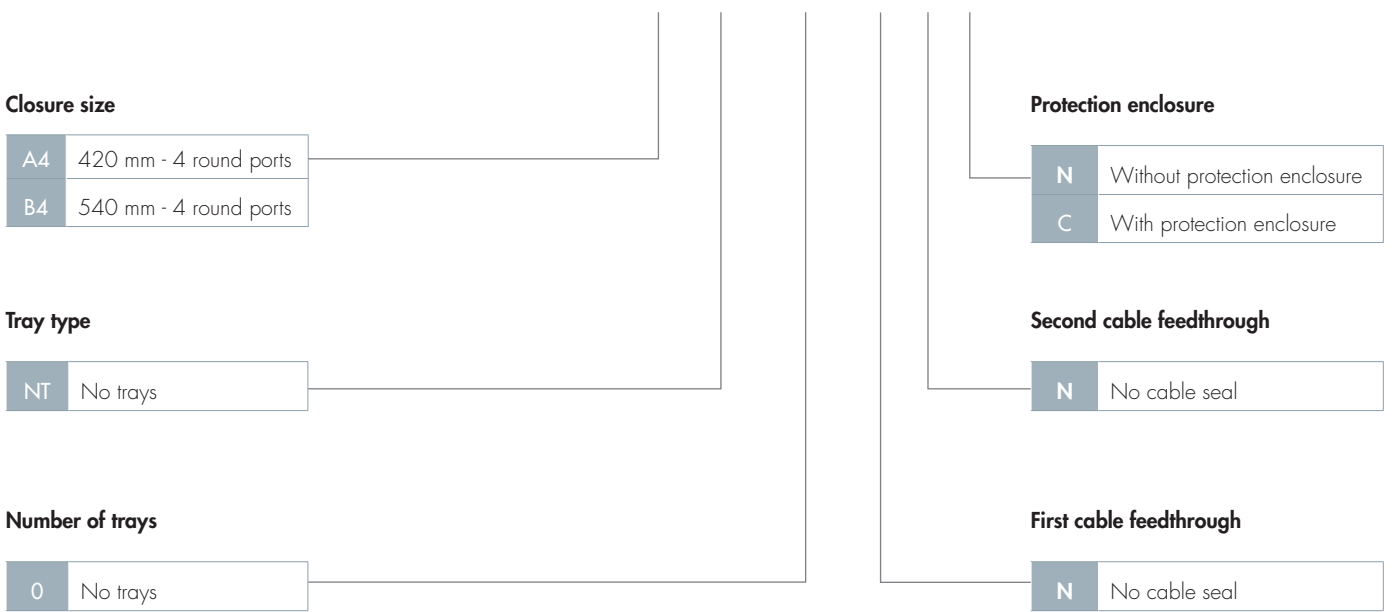
FOSC-OPGW
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Dimensions and capacities

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.

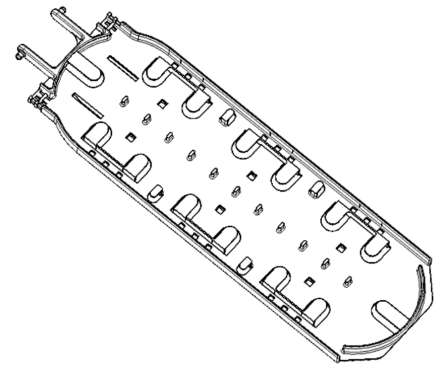(b) Splicing capacity is based on 45 mm fusion splice protectors.

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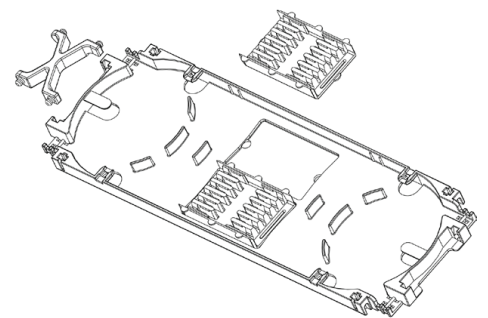
FOSC-OPGW - XX NT - 0 - N N X

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.

Splice trays

Description	Ordering number
Splices in splice protectors at tray exterior	
Trays for closure size A4	
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	
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	
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	
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

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
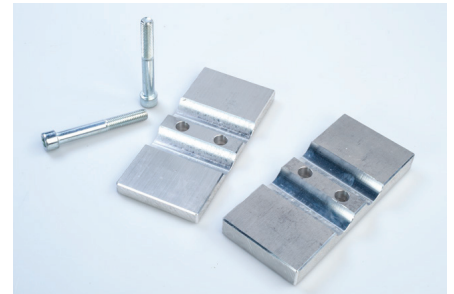

FOSC-OPGW-CSEAL-(A, B, C, D, F)

FOSC-OPGW-CSEAL-E

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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

Cable clamp

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

FOSC-OPGW-CLAMP-3/4

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Visit our website or contact your local CommScope representative for more information.