



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

Dimensions and capacities

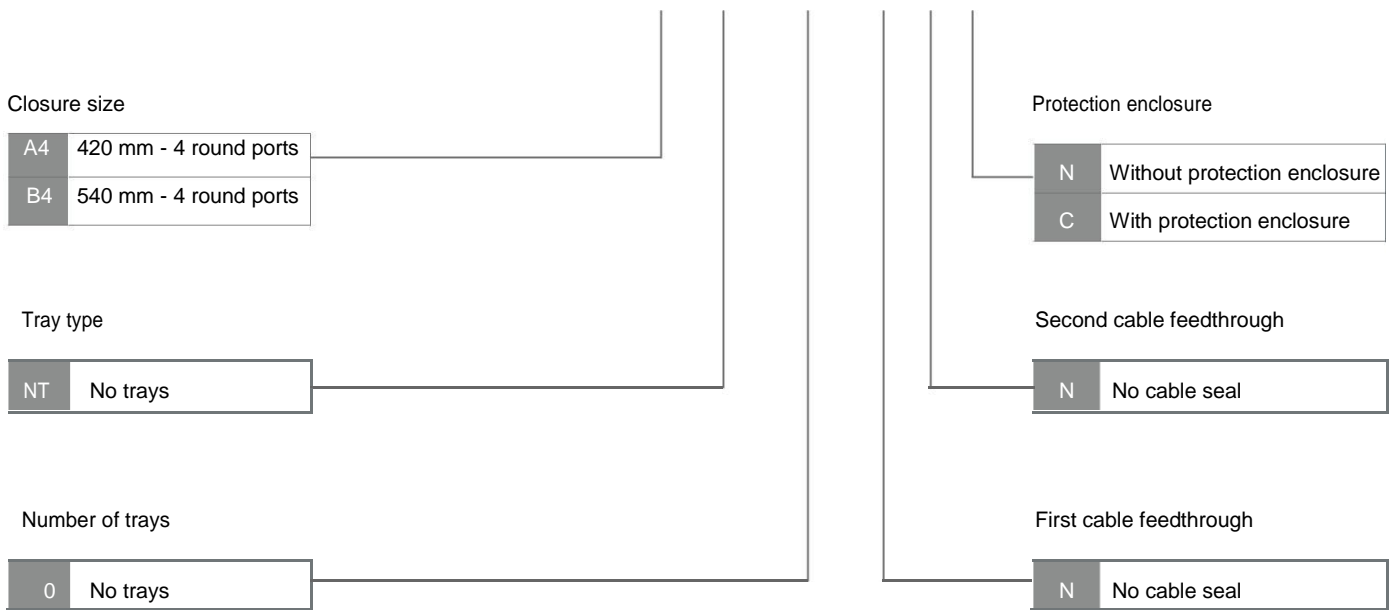
| Dimensions in mm | FOSC-400A4 | | FOSC-400B4 |
|---|-----------------------|--------------------|------------|
| Width x depth | 202 x 240 | | 202 x 240 |
| Length without protection enclosure | 605 | | 715 |
| Length with protection enclosure | 730 | | 730 |
| Splice capacity | Splices at tray edges | 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 \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

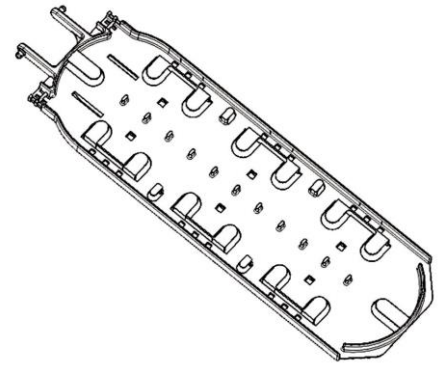
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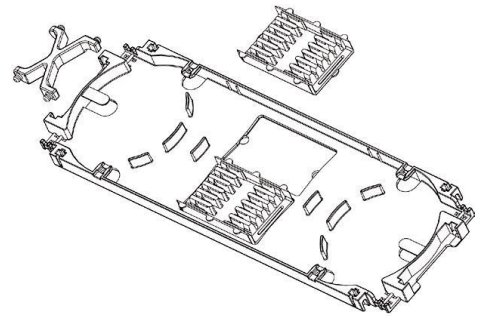
Splice trays and cable seals are ordered separately. Please see the following page for information.

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 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 | |
| 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 | |
| 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:

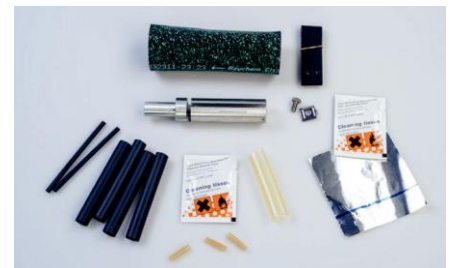
- Heat-shrink tubing seal to connect central tube from cable to metal feedthrough
- Abrasive paper
- Cleaning tissue
- Aluminum tape

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

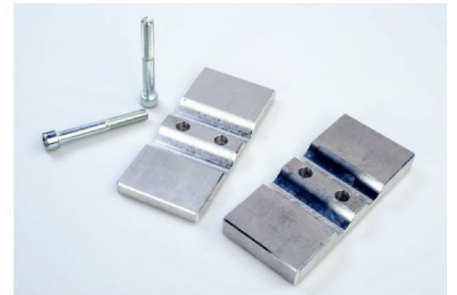
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| Cable type | Cable ϕ in mm | Maximum ϕ central core tube in mm | Maximum number metal tubes | Ordering number |
|-------------|--------------------|--|----------------------------|-------------------|
| OPGW | 9-12 | 7.5 | 3 | FOSC-OPGW-CSEAL-A |
| 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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PS-322663-EU (1/16) previously TC-575-DS-7-03-14