The FOSC OPGW, part of the FOSC 400 closure family, 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.

Key Features of the FOSC OPGW closures:

- 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 optionally available. It permits the termination and sealing of:
  - 2 OPGW cables
  - 2 ADSS or conventional buried fiber optic cables
- Cable seals are manufactured from heatshrinkable material
- Internal storage utilizes FOSC splice trays which are hinged for access to any splice without disturbing other trays
- Butt splice closure
- Heat-shrink technology
- Hinging splice trays
- Superior fiber management for optical grounding wires

Product Classification

Regional Availability
Asia | EMEA | Latin America | North America

Product Type
Single-ended, round fiber closure

Product Brand
FOSC®

Product Series
FOSC OPGW

General Specifications

Cable Entry Drop Port Style
Round

Cable Entry Main Port Style
Round

Cable Ports Quantity, total
1 oval port (2 cables) + 4 round ports

Cable Sealing Type
Heat shrink

Closure Sealing Type
Dome-to-base clamp with O-ring
FOSC-OPGW

Closure Style

Single-ended

Color

Black

Mounting

Pole | Strand | Wall

Splicing Type, Supported

Mass fusion | Single fusion

Splicing Configuration

<table>
<thead>
<tr>
<th>Splice capacity</th>
<th>FOSC-400A4</th>
<th>FOSC-400B4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of splice trays&lt;sup&gt;a&lt;/sup&gt;</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Single fiber&lt;sup&gt;b&lt;/sup&gt;</td>
<td>72</td>
<td>48</td>
</tr>
<tr>
<td>Cable ports</td>
<td>5 - 19 mm</td>
<td>5 - 19 mm</td>
</tr>
</tbody>
</table>

<sup>a</sup>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.

<sup>b</sup>Splicing capacity is based on 45 mm fusion splice protectors.

Ordering Tree

Material Specifications

Material Type

Impact-resistant polymer

Environmental Specifications

Environmental Space

Above ground

Qualification Standards

IEC 61300, 6 m waterhead
## Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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