

FOSC-450

Base Product



FOSC® 450 Fiber Optic Splice Closure

The FOSC-450 is a single-ended, environmentally sealed enclosure for fiber management in the outside plant network. FOSC-450 gel splice closures have the same splice capacity as FOSC-400 closures and feature the same reliable and easy-to-use dome-to-base clamping system. The major difference between the closures is that the

FOSC-450's cable sealing terminations use gel-sealing technology instead of heat shrink. The FOSC-450 features a single wrap-around gel seal with four or six cable ports. The single seal slides easily into the closure's base for rapid, secure installation. Gel-seal cable terminations automatically adjust to cable size and shape, and require no special tools or accessories to install. It is easy to remove cables, and gel seal is completely re-usable.

The FOSC-450 closure is available in 3 different sizes. According to the application, many configurations are possible.

FOSC 450 A4 closure

The FOSC 450 A4 closure is the smallest in the FOSC 450 series having four large round ports. It is intended for low fiber-count cable splices and "tap-off" splices. The FOSC 450 A4 closure comes ready to store expressed loose buffer tubes. An optical slack storage basket is available for expressed stranded fiber and ribbon fiber.

FOSC 450 BS closures

The FOSC 450 BS closures are identical except for their end cable port configuration. In addition to a large oval port for the main distribution cable, the BS closure has six large round ports for branch cable splices. The FOSC 450 closure cable sealing system provides a great deal of flexibility.

FOSC 450 D6 closures

The FOSC 450 D6 closure is the largest in the FOSC 450 series having six large round ports. The splice capacity is 288 single mechanical, 768 single fusion or 1152 mass-fusion (12) fibers. Ribbon fiber can be stored directly on the trays or in the versatile slack basket that also holds expressed or uncut loose buffer tubes.

Key features of the FOSC 450 closures:

- Single-ended design
- Available in 3 sizes
- Base and dome sealed with clamp and O-ring system
- 4 or 6 round cable ports provided in a wrap-around block with pre-installed gel profile for cable sealing. This block can be opened and closed repeatedly without removing or replacing the gel. With the use of special kits, multiple cables per port can be installed
- FOSC splice trays hinged for access to any splice without disturbing fibers in other trays
- Compatible with most common cable types: e.g. loose tube, central core, slotted core, ribbon fiber
- Uncut or expressed loose tubes can be stored in storage baskets
- Closure can be used in aerial, pedestal and underground (up to 5 meters waterhead) environments

Product Classification

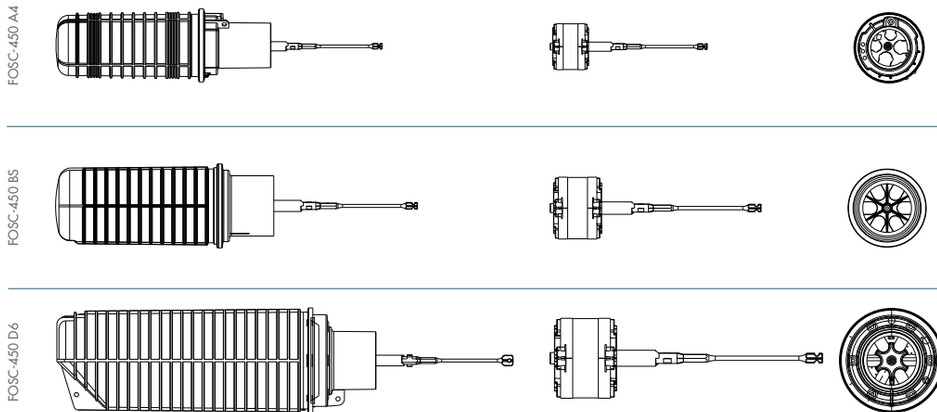
FOSC-450

Product Type	Single-ended, round fiber closure
Product Brand	FOSC®
Product Series	FOSC 450

General Specifications

Cable Entry Drop Port Style	Round
Cable Entry Main Port Style	Round
Cable Sealing Type	Compressed gel
Closure Sealing Type	Dome-to-base clamp with O-ring
Closure Style	Single-ended
Color	Black
Mounting	Pole Strand Wall
Splicing Type, Supported	Mass fusion Single fusion

Dimension Drawing



	A4	BS	D6
Closure dimensions in mm			
Length (without gel block trigger)	485	490	753
Ø (including cable clamp)	205	232	291

Port Configuration

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Cable ports			
Number of round cable ports	4	6	6
Cable port capacity ¹ (Minimum-maximum Ø)	8-22mm (x2), 10-28mm (x2)	9-25mm	9-25mm

Splicing Configuration

Splice capacity	Fibers	Trays	Fibers	Trays	Fibers	Trays
Single element splicing	96	4	144	6	768	8
Ribbon fiber splicing (12-fiber)	-	-	-	-	1152	8

Ordering Tree

FOSC 450 - XX - X - XX - X - X X X

Closure Size (inches)

A4	4 cable entry ports; 8 dia. x 19 long
BS	6 cable entry ports; 9 dia. x 19.5 long
B6	6 cable entry ports; 10 dia. x 24 long
C6	6 cable entry ports; 11.5 dia. x 23 long
D6	6 cable entry ports; 11.5 dia. x 30 long

Termination Hardware Quantity for the Kit

2	2 cable attachments included
4	4 cable attachments included
6	6 cable attachments included (N/A for A size)

Capacity and Type of Splice Tray

NT	No tray installed in factory
12	A, B, or C tray with two SM6 splice modules
24*	A, B, or C tray with two SM12 splice modules
36	D tray with six SM6 splice modules
72*	D tray with six SM12 splice modules
R1	A, B size ribbon tray (accommodates 12 ribbons/144 fibers)
R2	D size ribbon tray (24 ribbons/288 fibers)
R3	C size ribbon tray (18 ribbons/216 fibers)
SF	Stackable single fusion trays (12 splices)

*Note: SMOUV (1120-01) splice protection sleeves are highly recommended for use with SM12 splice modules.

Quantity of Splice Trays Factory Installed

0 or 1 is standard	Choose either "0" trays (no trays installed) or "1" tray installed. Additional trays sold separately.
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Valve for Flash Testing

V	Valve (standard)
N	No Valve

Note: We recommend flash test valves for FOSC closures. However, non-valved closures are available upon request.

Number of Ground Feed-through Lugs

0	No grounding
1	1 ground feed-through lug (A4 only, N/A for BS)
3	3 ground feed-through lugs (B6, C6, and D6 closures only, N/A for BS)
6	6 ground feed-through lugs (C6 and D6 closure only, N/A for BS)

Note: FEG and MEG kits provide optional ground isolation for FOSC 450 closures.

Slack Basket Type

N	No Basket
A	A4 Standard Size
B	B6, BS Standard Size
C	C6 Standard Size
D	D6 Standard Size
E	Special Bulkhead Basket arrangement for B, BS closures only
T	Tall Size
S	Stackable Trays in D Closure

Note: D-size closures with "N" option include backbone used to route ribbons to ribbon trays. A and B-size closures include storage "socks".

Material Specifications

Material Type

Impact-resistant polymer

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Environmental Specifications

Environmental Space	Below ground Buried
Qualification Standards	IEC 61300, 5 m waterhead

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system