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 fourlarge 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

Page 1 of 4



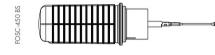
Product Type	Single-ended, round fiber closure
Product Brand	FOSC®
Product Series	FOSC 450

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

Page 2 of 4



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

BS 6 a B6 6 a C6 6 a D6 6 a mination 2 a 4 4 a 6 6 a	cable entry ports; 8 dia. x 19 long cable entry ports; 9 dia. x 19.5 long cable entry ports; 10 dia. x 24 long cable entry ports; 11.5 dia. x 23 long cable entry ports; 11.5 dia. x 30 long n Hardware Quantity for the Kit cable attachments included cable attachments included			N No Valve Note: We recommend flash test valves for R closures. However, nonvalved closure available upon request.
B6 6 c C6 6 c D6 6 c rmination 2 2 c 4 4 c 6 6 c	cable entry ports; 10 dia. x24 long cable entry ports; 11.5 dia. x 23 long cable entry ports; 11.5 dia. x 30 long I Hardware Quantity for the Kit cable attachments included			closures. However, non-valved closures
D6 6 c	cable entry ports; 11.5 dia. x 30 long Hardware Quantity for the Kit cable attachments included			
2 2 0 4 4 0 6 6 0	Hardware Quantity for the Kit			
2 2 0 4 4 0 6 6 0	cable attachments included		Num	per of Ground Feed-through
2 2 0 4 4 0 6 6 0	cable attachments included			
4 4 d			0	No grounding 1 ground feed-through lug (A4 on
6 60			1	N/A for BS)
(N,	cable attachments included		3	3 ground feed-through lugs (B6, C and D6 closures only, N/A for B
	I/A for A size)		6	6 ground feed-through lugs (C6 c D6 closure only, N/A for BS)
NT No	o tray installed in factory B, or C tray with two SM6		FC	G and MEG kits provide optional ground isolat DSC 450 dosures. Basket Type
spi	lice modules		N	No Basket
	B, or C tray with two SM12 lice modules		A	A4 Standard Size
36 D t	tray with six SM6 splice modules		В	B6, BS Standard Size
72* Dt	tray with six SM12 splice modules		C	C6 Standard Size
R1 A,	B size ribbon tray (accommodates 2 ribbons/144 fibers)		D	D6 Standard Size Special Bulkhead Basket arrange
	size ribbon tray (24 ribbons/288 fibers)		E	for B, BS closures only
	size ribbon tray (18 ribbons/216 fibers)		Т	Tall Size
	ackable single fusion trays (12 splices)		S	Stackable Trays in D Closure
lote: SMOUV recomm	V (112001) splice protection sleeves are highly ended for use with SM12 splice modules.		ros	size closures with "N" option include backbone ute ribbons to ribbon trays. A and Bsize closure wage "socks",

Material Specifications

Material Type

Impact-resistant polymer

Page 3 of 4



Environmental Specifications

Environmental Space

Agency

Below ground | Buried

Qualification Standards IEC 61300, 5 m waterhead

Regulatory Compliance/Certifications

Classification

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

Page 4 of 4

