



FOSC-450

Fiber optic gel closure

The industry leading FOSC 400 family of fiber optic splice closures is now available with gel seal technology for cable terminations.

This new product line will be known as the FOSC 450 family, can be used in any environment (aerial, pedestal, buried, underground) and for numerous splice applications (expressed, tap-off, branch and repair).

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 big difference with FOSC 450 gel closures is that the cable sealing terminations use gel-sealing technology instead of heat shrink. Gel seal cable terminations automatically adjust to cable size and shape, and they require no special tools, tapes or mastics to install. It is also easy to remove cables, and gel seals are completely re-usable.

FOSC 450 has the following functions and features

- Single-ended design
- Available in 4 sizes (A4, BS, B6 and D6)
- Base and dome are sealed with a clamp and O-ring system
- 4 or 6 round cable ports are provided in a wrap-around block with pre-installed gel profile for cable sealing. This block can be opened and closed repeatedly without the need to remove or replace the gel. With the use of special kits, multiple cables per port can be installed.
- FOSC splice trays are hinged for access to any splice without disturbing 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

See FOSC 500 and 600 closures data sheets for information on in-line fiber optic splicing closures with gel seal technology.

Dimensions and capacities

Closure size	A4	BS	B6	D6
Dimensions (in mm)				
Diameter (incl. clamp)	205	232	246	291
Length (without gel block trigger)	485	490	620	753
Splice capacity (in # of fibers)				
Number of splice trays	4 A trays	6 A trays	6 B trays	8 D trays
Single fiber	96	144	144	768
Ribbon 12				1152
Cable ports *				
4 or 6 round ports for 1 cable each	8 to 22mm (x2)	9 to 25 mm	9 to 25 mm	9 to 25 mm
with Ø range	10 to 28mm (x2)	(6x)	(6x)	(6x)

* With the use of special kits, multiple cables per port can be installed.

Ordering information

FOSC-450 **XX** - **X** - **XXX** - **X** - **X** - **XX**

Closure size

A	485 mm - 4 round ports
BS	485 mm - 6 round ports
B6	625 mm - 6 round ports
D6	755 mm - 6 round ports

Cable attachments

2	2 cable attachments included
4	4 cable attachments included (only for A size)
6	6 cable attachments included (not for A size)

Type of splicing trays/number of splices per tray (1)

NT If no trays need to be included

Closure size	Tray Options	
	Splices at tray edges	Splices in modules
A or BS	S08, S16, S24 A16, A24, 4R4	12, 16, 24, 24RS
B6	S12, S24 A24, 6R4	12, 16, 24, 24RS
D6		36, 48, 72, A72, S96, L96, A96, 96RS RT

Valve for flash testing

V	Valve
N	No valve

Ground feedthrough lugs

N	No grounding
G	1 ground feed-through (N/A for BS)
3	3 ground feed-through lugs (N/A for A and BS)
6	6 ground feed-through lugs (only for D6 size)

Basket type

N	None (N/A for BS-size)
B	Basket for A, BS- and B6-size
D	Basket for D6-size
T	Tall basket for A or D6-size

Pre-installed trays

0-1 ... or 4	For A closures
0-1 ... or 6	For BS and B6 closures
0-1 ... or 8	For D6 closures (2)

(1) Type of splice holder

.... SMOUV heat-shrinkable (45 mm)

L SMOUV heat-shrinkable (60 mm)

A ANT splice protector

RS RECORDsplice

R4 Ribbon 4

RT Ribbon 12

(2) If 7 or 8 trays are required, a storage basket can not be used

Consumables and accessories

See FOSC 450 ordering guide for more information.

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