



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

Tray type (1)

NT	No trays	
	A4 BS	D6
Splices at tray exterior (EU layout)		
S24	x	
S08	x	
S12		
S6,A6		
A24	x	
4R4	x	
6R4		
Splices in modules (US layout)		
72		x
24	x	
36		x
12	x	
S96,L96		x
A72,A96		x
24RS	x	
96RS		x
RT,RT/P		x

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 and BS
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 closures
0-1 ... or 8	For D6 closures (2)

- (1) Type of splice holder
 SMOUV heat-shrinkable (45 mm) **RS** RECORDsplice
 L SMOUV heat-shrinkable (60 mm) **R4** Ribbon 4
A ANT splice protector **RT** Ribbon 12
 (2) If 7 or 8 trays are required, a storage basket can not be used

For more technical options and order quantity information, please consult the products ordering guides or your local sales representative.

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