



FOSC 450

Fiber Optic Gel Splice Closure

- Butt splice closures
- Gel seal technology
- Hinging trays
- Superior fiber management

The FOSC family of fiber optic splice closures is available with gel sealing technology for cable terminations. This product line, known as the FOSC 450 closure family, can be used in any environment (aerial, pedestal, buried, and underground) and for numerous splice applications (expressed, tap-off, branch and repair).

FOSC 450 gel splice closures feature splice capacity similar to that of FOSC 400 closures, and offer the same reliable and easy-to-use dome-to-base clamping system. The major difference with FOSC 450 gel splice closures is that the cable sealing terminations use gel-sealing technology instead of heat-shrink. Gel sealed 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 splice closures have the following functions and features:

- Single-ended design
- Available in five sizes (A, BS, B, C, and D)
- Base and dome are sealed with a clamp and O-ring system
- Either six (BS, B, C, and D) or four (A version) 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 fibers can be stored in storage baskets

Dimensions and Capacities

Closure Size	A4	BS	B6	C6	D6
Dimensions in inches					
Diameter (including clamp)	8"	9"	10"	11.5"	11.5"
Length (without gel block trigger)	19"	19.5"	24"	23"	30"

Splice Capacity (in # of fibers) ¹

Number of splice trays	4	6	6	8	8
Single fiber	96	144	144	192	768
Ribbon 12	144	288	288	864	1152 (864 ³)

Cable Ports²

Number of round cable ports	4	6	6	6	6
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¹Indicated capacities refer to the maximum number of trays/splices that initially can be stored in a closure if no slack storage baskets are used.

²With the use of special kits, multiple cables per port can be installed.

³With ribbon tray

⁴Diameter range can be extended to 1.07 inches by trimming fingers on gel seal.

A4: 2 small ports, each for cables .3 - .9 inches in diameter
 2 large ports, each for cables .4 - 1.1 inches in diameter,
 OR each for up to 4 round drop cables of .3 inches diameter or less;
 OR each for up to 3 flat drop cables
 BS, B6, C6, D6: 6 ports, each for cables .35 - 1.0 inches in diameter⁴

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

Closure size (inches) _____
 A4 - 4 round ports; 8 dia. x 19 long
 BS - 6 round ports; 9 dia. x 19¹/₂ long
 B6 - 6 round ports; 10 dia. x 24 long
 C6 - 6 round ports; 11¹/₂ dia. x 23 long
 D6 - 6 round ports; 11¹/₂ dia. x 30 long

Number of cable ports for which termination hardware is provided _____
 2 - 2 cable attachments included
 4 - 4 cable attachments included
 6 - 6 cable attachments included

Capacity (or type) of splice tray _____
 12 - A, B, or C tray w/two SM6 splice modules
 24⁺ - A, B or C tray w/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)
 NT - No trays
**Note: SMOUV (1120-01-US) splice protection sleeves should be used with SM12 splice modules.*

Number of trays pre-installed _____
 0 or 1 is standard

Valve for flash testing

V - Yes (standard)
 N - No Valve

Number of ground feed-through lugs

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

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

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. B-size closures include storage "sock".