FOSC 450

Fiber Optic Gel Closures

The FOSC family of fiber optic splice closures is now available with gel sealing technology for cable terminations. This new 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 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 splice closures have the following functions and features:

· Single-ended design
· Available in three sizes (B, BS, and D)
· Base and dome are sealed with a clamp and O-ring system
· Six 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

FOSC 450

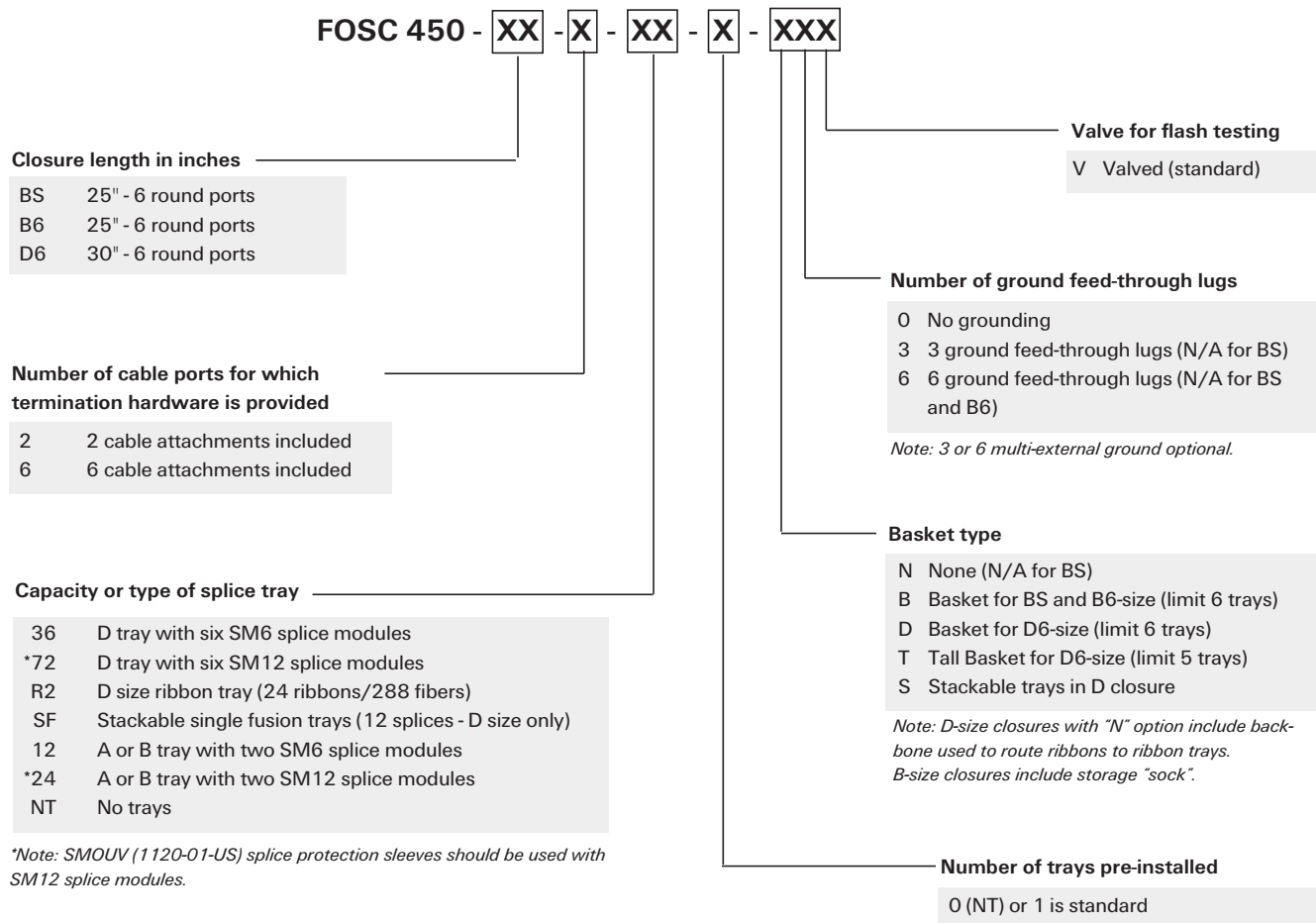**Fiber Optic Gel Closures**

Closure Dimensions and Capacities

Closure Size	BS	B6	D6
Dimensions in inches			
Diameter (including clamp)	9″	10″	12″
Length (without gel block trigger)	19.5″	24.5″	29.5″
Splice Capacity (in number of fibers)*			
Number of splice trays	6 A trays	6 B trays	8 D trays
Single fiber	144	144	768
Ribbon 12	288	288	1152
Cable Ports **			
6 round ports for 1 cable each			
with a range of:	0.35″ - 1.0″	0.35″ - 1.0″	0.35″ - 1.0″

* Indicated capacities refer to the maximum number of trays/splices that initially can be stored in a closure if no slack storage baskets are used.

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

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

Ordering Information

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

Closure length in inches

BS	25" - 6 round ports
B6	25" - 6 round ports
D6	30" - 6 round ports

Number of cable ports for which termination hardware is provided

2	2 cable attachments included
6	6 cable attachments included

Capacity or type of splice tray

36	D tray with six SM6 splice modules
*72	D tray with six SM12 splice modules
R2	D size ribbon tray (24 ribbons/288 fibers)
SF	Stackable single fusion trays (12 splices - D size only)
12	A or B tray with two SM6 splice modules
*24	A or B tray with two SM12 splice modules
NT	No trays

Note: SMOUV (1120-01-US) splice protection sleeves should be used with SM12 splice modules.

Valve for flash testing

V	Valved (standard)

Number of ground feed-through lugs

0	No grounding
3	3 ground feed-through lugs (N/A for BS)
6	6 ground feed-through lugs (N/A for BS and B6)

Note: 3 or 6 multi-external ground optional.

Basket type

N	None (N/A for BS)
B	Basket for BS and B6-size (limit 6 trays)
D	Basket for D6-size (limit 6 trays)
T	Tall Basket for D6-size (limit 5 trays)
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".

Number of trays pre-installed

0 (NT) or 1 is standard	

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