

FOSC-400

Base Product



FOSC® 400 Fiber Optic Splice Closure

The FOSC-400 closure is a single-ended, environmentally sealed enclosure for fiber management in the outside plant network. Base-to-dome seals on FOSC 400 are mechanical for ease of installation and re-entry. Cable seals feature a new heatshrink sleeve and hot melt adhesive system that is installed with a hot-air gun.

Common materials, accessories and practices are used throughout the product line to simplify training, reduce inventory and enhance productivity. FOSC 400 fiber optic splice closures are available in three sizes: the FOSC 400 A, FOSC 400 B and FOSC 400 D. All sizes are designed for use with any cable construction (loose buffer tube, central core tube, loose fiber, ribbon), in any environment (aerial, pedestal, buried, handhole, manhole) and for numerous splice applications (expressed, tap-off, branch and repair).

FOSC 400 A4/A8 closure

The FOSC 400 A4 closure is the smallest in the FOSC 400 series. It is intended for low fiber-count cable splices and "tap-off" splices. Tap-off splices are those where most of the fibers in a cable are 'expressed' uncut through the closure. Only a few fibers are cut and re-spliced to feed a building or Optical Network Unit (ONU). The FOSC 400 A4/A8 closure comes ready to store expressed loose buffer tubes. An optical slack storage basket is available for expressed stranded fiber and ribbon fiber. As with all FOSC 400 closures, the slack storage and splice capacity of the FOSC 400 A4/ A8 depends on factors such as cable construction, splice type and slack fiber lengths.

FOSC 400 B2 and FOSC 400 B4 closures

FOSC 400 B2 and FOSC 400 B4 closures are identical except for their end cable port configuration. In addition to a large oval port for the main distribution cable, the B2 closure has two large round ports for branch cable splices while the B4 closure has four small round ports for multiple drop applications. The FOSC 400 closure cable sealing system provides a great deal of flexibility. For example, with the use of branch-off clips four small cables can be terminated in two round ports of a B2 closure.

FOSC 400 D5 closures

The FOSC 400 D5 closure is the largest in the FOSC 400 series. It can terminate seven cables (or up to twelve cables with the use of branch off clips), through one oval port and five 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 400 closures:

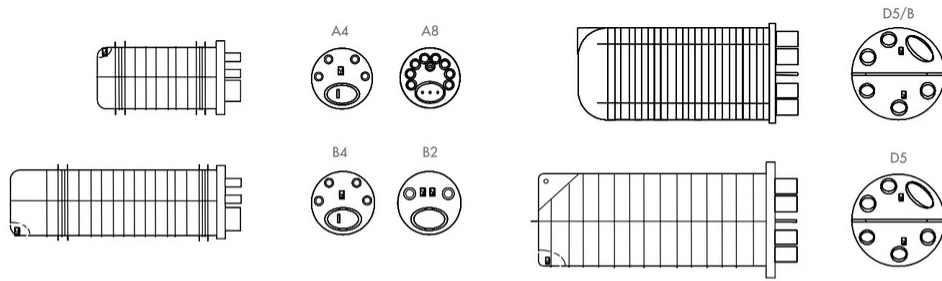
- Single-ended design
- Available in 4 sizes
- Base and dome sealed with a clamp and O-ring system
- Feature 2, 4, 5 or 8 round cable ports and 1 oval port are provided
- Standard FOSC-400 kit includes oval seal
- FOSC splice trays hinged for access to any splice without disturbing other trays
- Compatible 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
- Closure can be used in aerial, pedestal and underground (up to 5 meters waterhead) environments

FOSC-400

Product Classification

Product Type	Single-ended, round fiber closure
Product Brand	FOSC®
Product Series	FOSC 400

Dimension Drawing



	A4	A8	B4	B2	D5/B	D5
Closure dimensions in mm						
Total closure length	420	410	540	540	505	710
Closure outer diameter	183	183	183	183	267	267
Including clamp	205	205	205	205	290	290

Port Configuration

Capacities	A4	A8	B4	B2	D5/B	D5
FOSC tray capacity						
Number of FOSC trays (no storage basket)	2/3	4/8 ^(b)	4/6 ^(c)	4/6	12	8
Number of FOSC trays (with storage basket)	1	4/8 ^(b)	4	4	N.A.	6/4 ^(d)
Splicing capacity						
Single fiber	48/72	96/48	96/144	96/144	288	768
Ribbon 12	-	-	-	-	-	1152
Cable ports						
1 oval port for 2 cables each with ø range	10-25mm	10-25mm	10-25mm	10-25mm	10-25mm	10-25mm
Number of round ports	4	8	4	2	5	5
Cable ø range of round ports	5-19mm	5-10mm	5-19mm	5-28mm	5-28mm	5-28mm

^(a) Tray capacity is based on 45 mm fusion splice protectors (such as SMOUV-1120-02).

^(b) A8 closure capacity is 4 standard A trays or 8 slim trays; can be configured to accept a mixture of standard A and slim trays.

^(c) B4 closure can initially be fitted with 6 trays. The loose tube storage capacity is very limited in this case (a few tubes can be stored in a plastic bag, consult your local sales representative for more information). It is not possible to add a 5th and 6th tray into a previously installed standard 'B' closure. The B closure can be ordered with up to 5 trays pre-installed and capacity for later addition of a 6th tray (FOSC-400B4-XXX//6...)

^(d) 6 trays are used with a standard D basket, 4 trays are used with a tall basket (see the FOSC tray ordering guide for information on basket sizes).

Ordering Tree

FOSC-400

FOSC 400-XX-XX-X-XXX

Closure Size (inches)

A	8 dia. x 19 1/2 long
B	8 dia. x 25 long
C	11 1/2 dia. x 23 long
D	11 1/2 dia. x 31 long

Cable Entry Ports (in addition to oval port)

All closures include an oval port for pass through cables

2	B closure only
4	A and B closure only
5	C and D closure only
8	A closure only

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)
NT	No Trays

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

Valve for Flash Test

V	Valve
N	No Valve

Ground Feed-through Lugs

G	Grounding
N	None

Cable Blocking Components

B	Blocking
N	None

Number of Splice Trays

0 or 1	is standard
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Environmental Specifications

Environmental Space Below ground | Buried

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system