

# FOSC 400

## Fiber Optic Splice Closure



The FOSC name has been synonymous with excellence in sealing, fiber management, ease of use, and design flexibility since the FOSC 100 closure was first introduced in 1986. FOSC closures have always been engineered specifically for fiber optic applications; they are not modified copper closures. The difference shows—ask someone who has worked with the product.

FOSC 400 closures combine proven fiber management hardware with a highly reliable sealing system. Base-to-dome seals on FOSC 400 closures are mechanical for ease of installation and re-entry, and cable seals feature a unique TE heat-shrink 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 four sizes: FOSC 400 A, FOSC 400 B, FOSC 400 C, and FOSC 400 D, with multiple styles in some sizes. All sizes are designed for use with any cable construction (loose buffer tube, central core tube, loose fiber, and ribbon), in any environment (aerial, pedestal, buried, handhole, and manhole), and for numerous splice applications (express, tap-off, branch, and repair)

### FEATURES

- Butt splice closures
- Heat-shrink technology
- Hinging trays
- Superior fiber management

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### FOSC 400A AND A8 CLOSURES

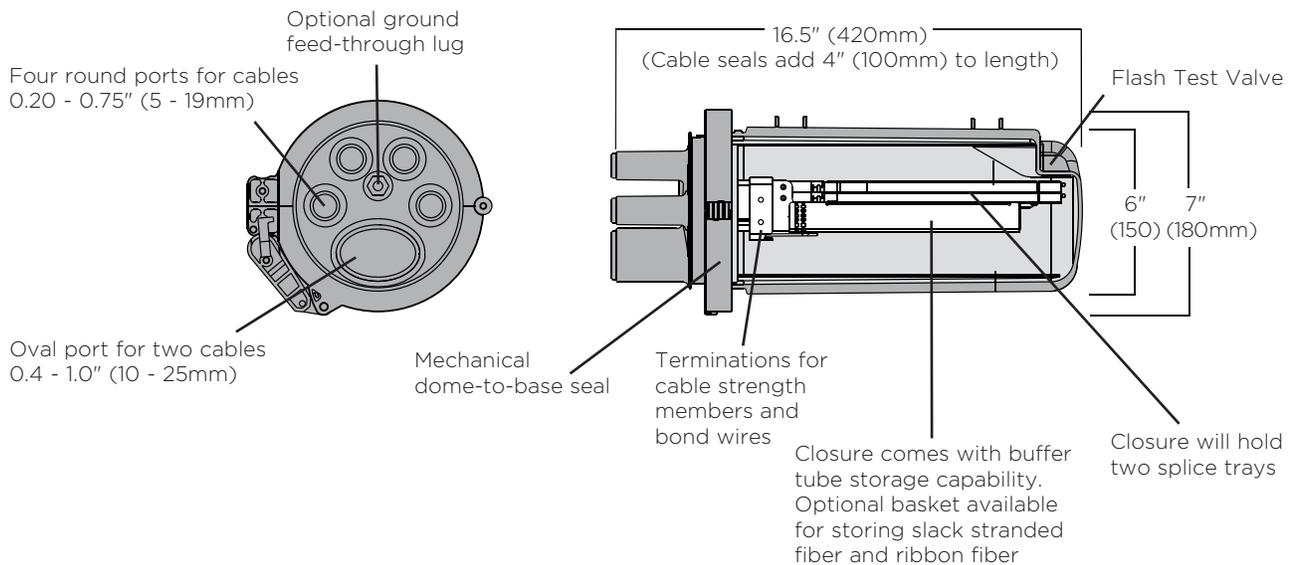
These are the smallest of the FOSC 400 closures. The A8 is intended for low fiber count cable splices and “tap-off” splices. Tap-off splices are those where most of the fibers in a cable are “expressed” uncut through the closure and only a few fibers are cut and re-spliced to feed a building or Optical Network Unit (ONU). The FOSC 400 A4 closure comes ready to store expressed loose buffer tubes. An optional slack storage basket is available for express stranded fiber and ribbon fiber.

The A8 closure provides a compact solution for the Fiber-To-The- Home (FTTH) market. The eight round ports base provides an excellent platform for single or multi-fiber drops while maintaining the proven reliability of FOSC splice closures.

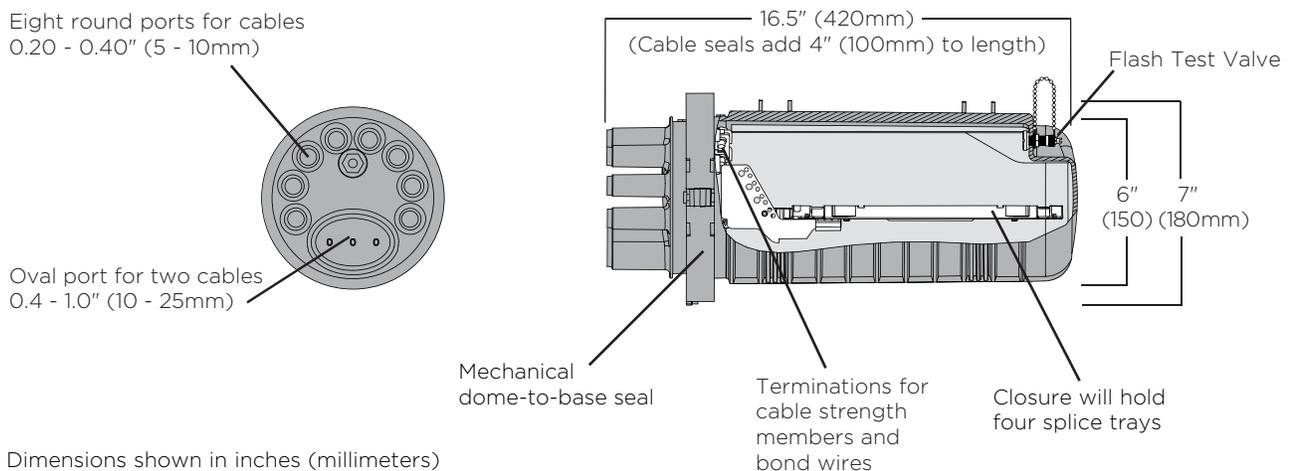
The individual drop port approach simplifies the provisioning, repair, and restoration of subscribers. The ability to house pre-configured splitters as well as up to eight adapters in a specially modified basket makes this closure an ideal solution in today's Passive Optical Network (PON).

As with all FOSC 400 closures, the slack storage and splice capacity of the FOSC 400 A4 closure depends on a number of factors including cable construction, splice type, and slack fiber lengths. Refer to the Closure Capabilities chart for more details.

### FOSC 400 A4 CLOSURE



### FOSC 400 A8 CLOSURE



Dimensions shown in inches (millimeters)

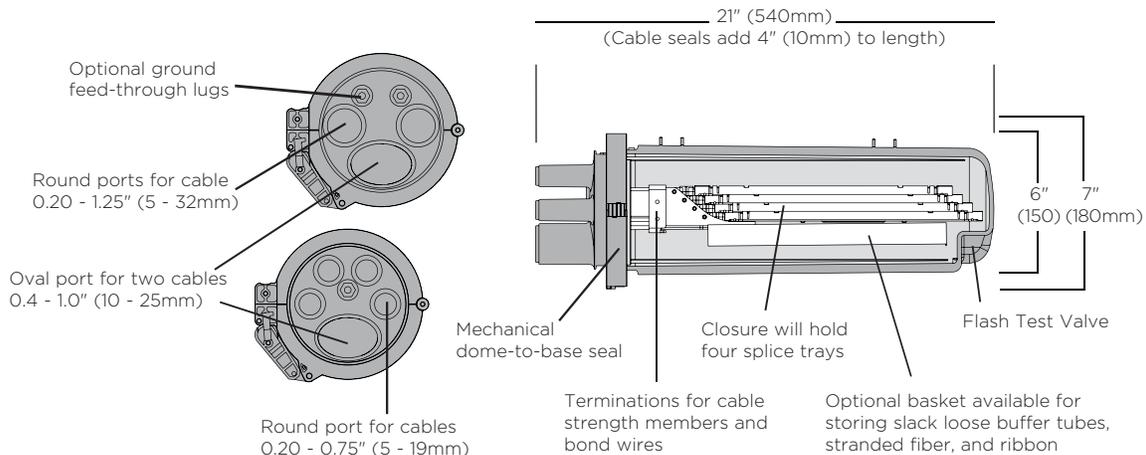
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### FOSC 400 B2 AND B4 CLOSURES

These two closures are identical except for their end cable port configurations. In addition to a large oval port for the main distribution cable, the B2 closure has two large round ports for branch cable splices and the B4 closure has four small round ports for multiple drop applications.

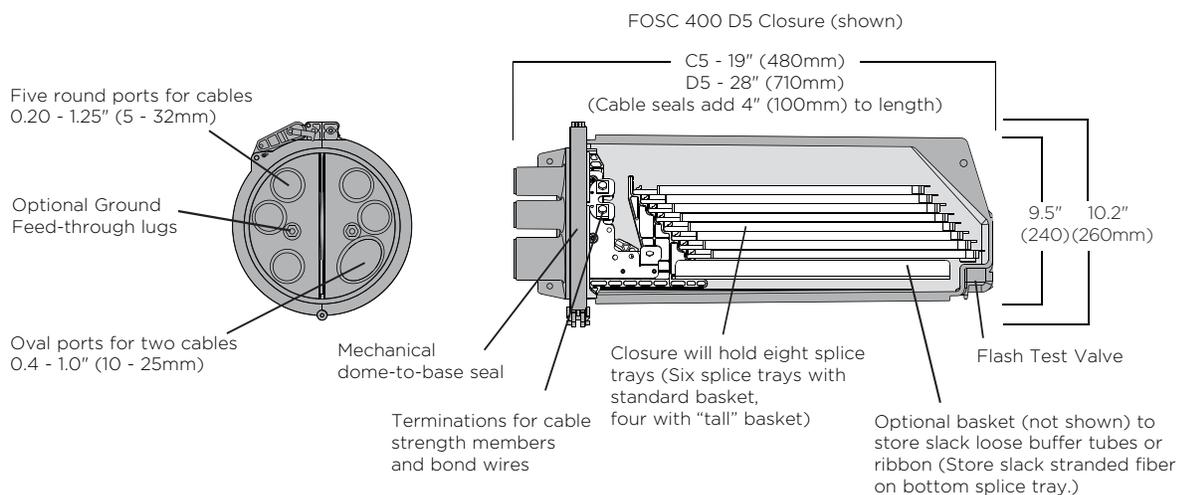
The FOSC 400 cable sealing system provides a great deal of flexibility. For example, four small cables can be terminated in the two round ports of a B2 closure with the use of branch-off clips. It is also possible to terminate three cables in the oval port of either closure.



### FOSC 400 C5 AND D5 CLOSURE

The D5 is the largest of the FOSC 400 closures. It has one oval port, five large round ports and can terminate seven cables (or up to twelve cables with the use of branch-off clips). The splice capacity is 288 single mechanical, 576 single fusion, or 1728 mass fused fibers. The versatile slack basket can store ribbon fiber or expressed, uncut loose buffer tubes.

The C5 is the same diameter as the D5 and uses the same base, but incorporates a shorter C tray and shorter dome for a closure that is 7 inches shorter than the D5.



Spliced Fiber Storage Capacity			Closure
Single Fusion	Single Mechanical*	Mass Fusion	
48-A4, 96-A8	24	144	FOSC-400 A4, A8
96	48	288	FOSC-400 B2, B4
192	96	864	FOSC 400 C5
576	288	1728	FOSC 400 D5

# FOSC 400

## Fiber Optic Splice Closure

### Selection guide

#### FOSC 400 CLOSURES AND ACCESSORIES

**Catalog Number**  
FOSC 400-XX-XX-X-XXX

#### Closure Size (inches)

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

<b>2</b>	B closure only
<b>4</b>	A and B closure only
<b>5</b>	C and D closure only
<b>8</b>	A closure only

#### Capacity (or type) of Splice Tray

<b>12</b>	A, B, or C tray w/two SM6 splice modules
<b>24*</b>	A, B or C tray w/two SM12 splice modules
<b>36</b>	D tray with six SM6 splice modules
<b>72*</b>	D tray with six SM12 splice modules
<b>R1</b>	A, B size ribbon tray (accommodates 12 ribbons/144 fibers)
<b>R2</b>	D size ribbon tray (24 ribbons/288 fibers)
<b>R3</b>	C size ribbon tray (18 ribbons/216 fibers)
<b>NT</b>	No Trays

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

#### Number of Splice Trays

	0 or 1 is standard
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#### Cable Blocking Components

<b>B</b>	Blocking
<b>N</b>	None

#### Ground Feed-through Lugs

<b>G</b>	Grounding
<b>N</b>	None

#### Valve for Flash Test

<b>V</b>	Valve
<b>N</b>	No Valve

#### CABLE SEALS

**Catalog Number**  
FOSC ACC-Cable Seal-X-XX

#### Where Used

<b>1</b>	Round port
<b>2</b>	Oval Port

#### Type of Cable Seal

<b>T</b>	Tubular
<b>W</b>	Wraparound

#### Cable Blocking Components

<b>B</b>	Blocking
<b>N</b>	None

Note: Cable seal kits include cable termination components.

#### SPLICE TRAYS - SINGLE FIBER TRAYS

**Catalog Number**  
FOSC ACC-D-Tray 36

#### Closure Size

	A, B, C, or D
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#### Type of Cable Seal

<b>A Tray</b>	12, 16, or 24
<b>B Tray</b>	12, 16, or 24
<b>C Tray</b>	12 or 24
<b>D Tray</b>	36, 48, or 72

#### Accessory

Fits FOSC A and B size closures. Handles 12,12 fiber ribbon splices (144 fibers)

FOSC-ACC-A/B-TRAY-12-RIBN

Fits FOSC 400 C and 450 C closures. Handles 18, 12 fiber ribbon splices (216 splices)

FOSC-ACC-C-TRAY-RIBN-18

Fits FOSC D closures. Handles 24, 12 fiber ribbon splices (288 fibers)

FOSC-ACC-D-TRAY-RIBN-24

#### SLACK FIBER STORAGE BASKETS

**Catalog Number**  
FOSC ACC-B basket (-B)

#### Closure Size

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Include "-B" if cable blocking sleeves required for express (uncut) cable.

Note: "D" basket is available in standard and tall sizes. Standard size takes up two tray locations and tall size takes up four tray locations.

## DATA SHEET

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