

FOSC 400

Fiber Optic Splice Closure

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

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 Tyco Electronics 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 three ranges, with additional styles for each range; 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, and ribbon), in any environment (aerial, pedestal, buried, handhole, and manhole), and for numerous splice applications (express, tap-off, branch, and repair).



FOSC 400 A4 and A8 Closure

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 emerging 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.

Dimensions shown in inches/millimeters

FOSC 400 A4 Closure









FOSC 400 B2 & B4 Closure



FOSC 400 B2 and FOSC 400 B4 Closure

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 D5 Closure

This 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.

FOSC 400 D5 Closure



Closure Capabilities

	Spliced Fibe	r Storage Capac	ity	Slack St	torage Capaci	ty	
	Single	Single	Mass	Buffer	Stranded	12 Fiber	
Closure	Fusion	Mechanical*	Fusion	Tubes	Fibers	Ribbons	
FOSC 400 A4, A	8 48-A4, 96-A8	24	144	8	96	12	
FOSC 400 B2, B	4 96	48	288	8	96	24	
FOSC 400 D5	576	288	1728	18	96+	144	

*Varies with splice type. Capacity shown is for most commonly used mechanical splices.

FU3C 400 A A - 7	(X - X - X X X
A - 8 inches diameter x 19 5 inches long	Valve
R - 6 inches diameter x 19.5 inches long	N No Volvo
C 11 E inches diameter x 22 inches long	N - NO Valve
C - 11.5 inches diameter x 23 inches long	Ground food through lug
D - 11.5 Inches diameter x 52 inches long	G - Grounding
Cable Entry Ports	N None
All closures include an eval port for pass	in - none
through cables	Cable Blocking Compone
2 - B closure only	B - Blocking
4 - A and B closures only	N - None
5 - C and D closures only	
8 - A closure only	Number of trays in kit
· · · · · · · · · ·	0 or 1 is standard
Splice capacity of each organizer tray	
A Trays: 12, 16, or 24	
B Trays: 12, 16, or 24	
C Trays: 12 or 24	
D Trays: 36, 48, or 72	
Note: Closure kits are normally ordered with no trave or one	trav and include a flash test value
Teles closure into are normally ordered with the rays of one	
Cable Saala	
	Soal 1 RT
Where used	Type of Cable Seal
1 - Round port	T - Tubular
2 - Oval Port	W - Wraparound
Cable Blocking Components	
B - Blocking	
B - Blocking N - None	
B - Blocking N - None Note: Cable seal kits include cable termination components.	
B - Blocking N - None Note: Cable seal kits include cable termination components.	
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B - Blocking N - None Note: Cable seal kits include cable termination components. Splice Trays FOSC ACC D Tray 36 Closure Size	capacity of each
B - Blocking N - None Note: Cable seal kits include cable termination components. Splice Trays FOSC ACC D Tray 36 Closure Size A, B, or D	capacity of each zer tray
B - Blocking N - None Note: Cable seal kits include cable termination components. Splice Trays FOSC ACC D Tray 36 Closure Size A, B, or D	capacity of each zer tray 12, 16, or 24
B - Blocking N - None Note: Cable seal kits include cable termination components. Splice Trays FOSC ACC D Tray 36 Closure Size A, B, or D Splice Tray: B Tray:	capacity of each zer tray 12, 16, or 24 12, 16, or 24
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B - Blocking N - None Note: Cable seal kits include cable termination components. Splice Trays FOSC ACC D Tray 36 Closure Size A, B, or D A, B, or D Note: Splice trays are packaged two per box. Slack Fiber Storage Baskets FOSC ACC B-Basket (-B)	capacity of each zer tray 12, 16, or 24 12, 16, or 24 36, 48, or 72
B - Blocking N - None Note: Cable seal kits include cable termination components. Splice Trays FOSC ACC D Tray 36 Closure Size A, B, or D Splice trays are packaged two per box. Slack Fiber Storage Baskets FOSC ACC B-Basket (-B) Closure Size	capacity of each zer tray 12, 16, or 24 12, 16, or 24 36, 48, or 72 de "-B" if cable blocking
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