



FOSC 450

Gel-Sealed Fiber Optic Splice Closure

2nd Edition

FOSC 450

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Welcome to the FOSC 450 Fiber Optic Splice Closure Ordering Guide. This Guide is designed to provide you with the information you need to specify and purchase FOSC 450 splice closures and accessories you need for your fiber network.

FOSC 450 fiber optic splice closures are used worldwide!

Please note that this ordering guide is designed for FOSC 450 closures as they are configured for North America, Mexico, the Caribbean, and Central America. For information regarding FOSC 450 closures for other areas of the world, please refer to www.te.com/FOSC450 or contact your local sales or customer service representative.

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Information subject to change. For the latest information, see the FOSC 450 Closure Ordering Guide at:
<http://www.te.com/FOSC450>

FOSC 450

Fiber Optic Splice Closure Family

A family of closures designed for your fiber network needs!

FOSC 450 fiber optic splice closures are a family of single-ended closures designed for use most anywhere there are fiber splicing and storage needs. THESE CLOSURES ARE AVAILABLE IN FIVE SIZES, EACH FEATURING:

- Re-usable compressed gel cable sealing components that accommodate a wide range of cable sizes
- Capability to accommodate a variety of cable styles including loose tube or central core tube cables with single or ribbon fibers
- Hinging splicing trays that provide controlled access to splices and slack storage
- Splice and storage compartments accessible via a removable dome-clamp system
- Thermoplastic outer materials that withstand temperature and contaminate extremes
- Slack storage baskets of various sizes that provide different slack storage scenarios
- Many shared components between closure sizes
- A range of accessories for a variety of outside plant needs



450 A

Smallest of the FOSC 450 closure family.

- 4 cable entry ports, each with multi-cable capability
- 96 single fiber/144 mass splice capacity
- 19" long by 8" diameter*
- Capacity of up to 8 drop cables in addition to a feed-through cable
- Compact size for FTTH applications
- Accessories available for a wide variety of applications



450 C

Combining the well accepted FOSC 450 D closure with a short overall length (23"), the 450 C fits applications where increased splice capacity and small size are a must:

- 6 cable entry ports, each with multi-cable capability
- 192 single fiber/864 mass splice capacity
- 23" long by 11.5" diameter*
- Capacity of up to 16 drop cables in addition to a feed-through cable
- Wide-style splice tray
- Accessories available for a wide variety of applications
- Field upgradeable to the 450D size



450 B Short

One of the smaller 450 closures

- 6 cable entry ports, each with multi-cable capability
- 144 single fiber/288 mass splice capacity
- 19" long by 9.2" diameter*
- Uses A size splice trays
- Capacity of up to 16 drop cables in addition to a feed-through cable
- Fits applications requiring large splice capacity in a small size
- Accessories available for a wide variety of applications



450 D

The largest of the FOSC 450 closure line, the 450 D is capable of handling a wide range of fiber closure needs:

- 6 cable entry ports, each with multi-cable capability
- 576 single fiber/1152 mass splice capacity
- 30" long by 11.5" diameter*
- Wide-splice tray
- Accessories available for patching, rehabilitation and a wide variety of applications
- Capacity of up to 16 drop cables in addition to a feed-through cable



450 B

The mid-size FOSC 450 closure

- 6 cable entry ports, each with multi-cable capability
- 144 single fiber/288 mass splice capacity
- Increased slack storage capacity over the B Short closure
- 24" long by 9.8" diameter*
- Capacity of up to 16 drop cables in addition to a feed-through cable
- Accessories available for a wide variety of applications

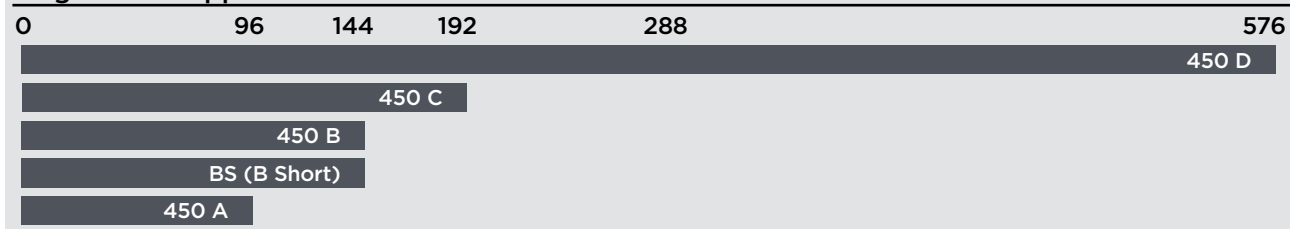
* Diameter measurements are based on the widest diameter points and include the clamp hinge and latching mechanisms. Diameters of the clamps not including the hinge and latch are approximately 1 inch less.

FOSC 450

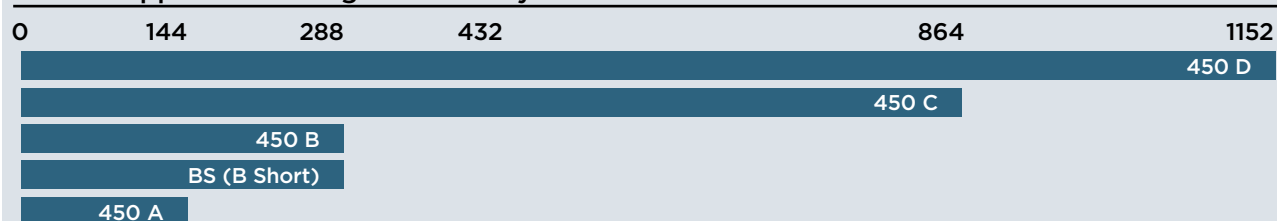
Closure Capacities and Characteristics

These charts represent the capacities of each of the FOSC 450 closure sizes. Capacities may vary due to application variables, such as the amount of slack storage required.

Single Fiber Application



Ribbon Application Using Ribbon Trays



Characteristics Chart

Type/Size	D6	C6	B6	BS	A4
Closure Size ¹ (inches)	11.5 dia. 30 L	11.5 dia. 23 L	9.8 dia. 24 L	9.2 dia. 19 L	8 dia. 19 L
Approx. Closure Weights (lbs)	20	16	13	10	6
Closure Capacity					
End-to-End Splicing					
Single Splice (SM6 Modules)	288	96	72	72	48
Single Splice (SM12 Modules) ²	576	192	144	144	96
Mass Fusion Splice	1152	864	288	144	144
Mid-Sheath Splicing					
Single Splice	576	192	144	144	72
Mass Fusion Splice	864	432	288	288	216
Trays Per Closure					
Standard Trays	8 ⁵ / 6 ³ / 5 ⁴	8 ⁵ / 6 ³ / 5 ⁴	6 ⁵ / 6 ³ / 4 ⁴	6 ⁵ / 6 ³ / 2 ⁴	4 ⁵ / 3 ³ / 2 ⁴
Ribbon Trays	4 ⁵ / 3 ³ / 2 ⁴	4 ⁵ / 3 ³ / 2 ⁴	3 ⁵ / 3 ³ / 2 ⁴	3 ³	1 ³
Single Fiber Splice Capacity per Tray					
SM6 Modules	36	12	12	12	12
SM12 Modules ²	72	24	24	24	24
FIST Modules ²	96	n/a	n/a	n/a	n/a
Patching					
Tray (quantity/type)	Yes (12,16/sc)	No	Yes (12,16/sc)	No	No
Basket (quantity/type)	Yes (4/all, 8/sc)	No	Yes (4/all, 8/sc)	Yes (4/all, 8/sc)	Yes (4/all, 8/sc)
Sealing System					
Closure Dome-to-Base or Top-to-Bottom	"O" Ring/ Clamp	"O" Ring/ Clamp	"O" Ring/ Clamp	"O" Ring/ Clamp	"O" Ring/ Clamp
Cable Capacity					
Butt (std./max.)	6 / 16 ⁷ / 21 ⁸	6 / 16 ⁷ / 21 ⁸	6 / 16 ⁷ / 21 ⁸	6 / 16 ⁷ / 21 ⁸	4 / 10 ⁷ / 13 ⁸
Inline (std./max.)	n/a	n/a	n/a	n/a	n/a
Fire Retardant Closure Available	No ^{9,10}	No ⁹	No ^{9,10}	No ⁹	No ⁹
Tools Required	Can Wrench, Snips	Can Wrench, Snips	Can Wrench, Snips	Snips	Can Wrench Snips

¹ Closure length ("L") plus 10X largest cable diameter installed equals the overall length required for hand-hole. Maximum dimensions includes clamp and cable sealing.

² SMOUV splice protection sleeves should be used.

³ With standard basket.

⁴ With tall basket.

⁵ Flexible sock is used for LBT storage.

⁶ The ribbon tray can also be configured with 12 SC adapters for patching and provide 12 single splice capacity.

⁷ If using the 3-cable Multicable kit, 3 flat or 3 round cables per port; if cable does not exceed <0.25" diameter.

⁸ If using the 4-cable Multicable kits and combined cables do not exceed 1" diameter.

⁹ Fire Retardant bag or blanket options.

¹⁰ Fire Retardant closures available in FOSC 400 family.

FOSC 450

Typical Closure Kit Contents

Typical Closure Kit Contents include

- Dome
- Clamp
- O-ring
- Base
- Gel sealing block with compression trigger
- Plugs for unused cable ports
- Tray tower to hold hinging FOSC splice trays
- FOSC splice trays (quantity according to the ordering description)
- Cable retention hardware (quantity according to the ordering description)
- Miscellaneous hardware, including fiber routing (transportation) tubing, cable retention clamps, strength member retainers, etc.
- Installation Instructions



Dome - The dome is made from a polymer, with ribbing added for extra strength. Five different sizes are available (A, BS, B6, C6, D6), matching the five closure sizes in the family.



Dome to Base Seal - Domes are attached to the base by means of a clamp. Dome-to-base sealing is accomplished via a compressed O-ring.



Base - The base houses the gel block cable sealing system and is the foundation for the tray tower and cable attachment/retention hardware.



Cable Retention Hardware - Cable strain relief and strength member termination hardware.



Gel Block with Trigger - The gel block provides the sealing mechanism for cables entering the closure. Available with six cables entry ports (450 B, BS, C or D) or four (450 A size only). Not Sold Separately.

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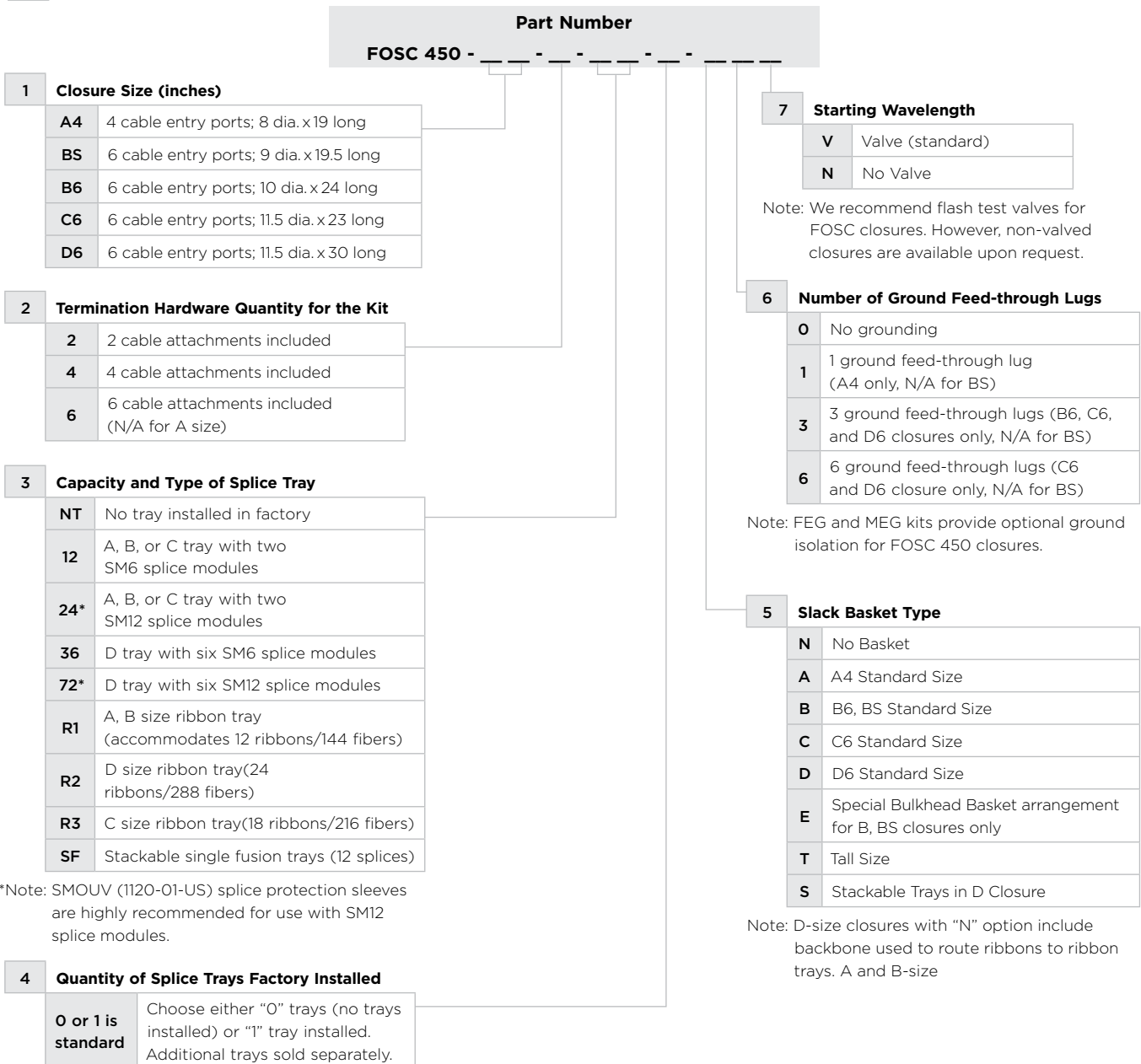
Making the Information Work for You

FOSC 450 fiber optic splice closures can be ordered in a variety of configurations to maximize efficiency and minimize up front cost. The following pages provide closure choices and the steps to be followed when specifying FOSC 450 closure configurations. In addition, we have supplied a list of commonly requested closure configurations.



Follow the steps to choose the desired closure. Then simply match the step to the description key. See *Quick Reference Guide in the back of this catalog for additional details*

- | | | | |
|----------|--|----------|---|
| 1 | Closure Size: A4, BS (B Short), B6, C6, or D6 | 5 | Slack Basket Type |
| 2 | Termination Hardware Quantity for the Kit: 2, 4, or 6 | 6 | Feed-through Ground Quantity |
| 3 | Capacity and Type of Splice Tray | 7 | Whether Flash Test Valve is Desired
(Valved version is standard.) |
| 4 | Quantity of Splice Trays Factory Installed
(Choose either "0" trays (no trays installed) or "1" tray installed. Additional trays sold separately.) | | |



*Note: SMOUV (1120-01-US) splice protection sleeves are highly recommended for use with SM12 splice modules.

FOSC 450

Commonly Requested Closure Kits

In order to provide customers with cost and inventory efficient options, FOSC 450 fiber optic splice closures are classified in three categories as shown below.

CLASS A LIST: Basic kits. Lower comparable cost. Lowest targeted lead time.

FOSC 450A	FOSC 450B Short	FOSC 450B	FOSC 450C	FOSC 450D
FOSC450-A4-4-NT-0-A1V	FOSC450-BS-6-NT-0-B0V	FOSC450-B6-6-NT-0-B3V	FOSC450-C6-6-NT-0-C6V	FOSC450-D6-6-NT-0-D6V

CLASS B LIST: Standard kits. Includes splice tray, basket, and grounding options.

FOSC 450A	FOSC 450BS	FOSC 450B	FOSC 450C	FOSC 450D
FOSC450-A4-4-12-1-A0V	FOSC450-BS-6-12-1-B0V	FOSC450-B6-6-12-1-B0V	FOSC450-C6-6-12-1-C0V	FOSC450-D6-6-36-1-D0V
FOSC450-A4-4-12-1-A1V	FOSC450-BS-6-12-1-T0V	FOSC450-B6-6-12-1-B3V	FOSC450-C6-6-12-1-C3V	FOSC450-D6-6-36-1-D3V
FOSC450-A4-4-24-1-A0V	FOSC450-BS-6-24-1-B0V	FOSC450-B6-6-24-1-B0V	FOSC450-C6-6-12-1-C6V	FOSC450-D6-6-36-1-D6V
FOSC450-A4-4-24-1-A1V	FOSC450-BS-6-24-1-T0V	FOSC450-B6-6-24-1-B3V	FOSC450-C6-6-24-1-C0V	FOSC450-D6-6-72-1-D0V
FOSC450-A4-4-NT-0-A0V		FOSC450-B6-6-NT-0-B0V	FOSC450-C6-6-24-1-C3V	FOSC450-D6-6-72-1-D3V
FOSC450-A4-4-R1-1-A0V		FOSC450-B6-6-R1-1-B0V	FOSC450-C6-6-24-1-C6V	FOSC450-D6-6-72-1-D6V
FOSC450-A4-4-R1-1-A1V		FOSC450-B6-6-R1-1-B3V	FOSC450-C6-6-NT-0-C0V	FOSC450-D6-6-NT-0-D0V
FOSC450-A4-4-NT-0-T0V		FOSC450-B6-6-NT-0-T0V	FOSC450-C6-6-R3-1-C0V	FOSC450-D6-6-R2-1-D0V
FOSC450-A4-4-NT-0-T1V		FOSC450-B6-6-NT-0-T3V	FOSC450-C6-6-R3-1-C3V	FOSC450-D6-6-R2-1-D3V
			FOSC450-C6-6-R3-1-C6V	FOSC450-D6-6-R2-1-D6V
			FOSC450-C6-6-NT-0-T0V	FOSC450-D6-6-NT-0-T0V
			FOSC450-C6-6-NT-0-T6V	FOSC450-D6-6-NT-0-T6V

CLASS C LIST: Non-standard kits. Contact your local salesperson for further information.

All other closure configurations are available as Class C products. Contact your salesperson for further information.

Information subject to change. For the latest information, see the FOSC 450 Closure Ordering Guide at: <http://www.te.com/FOSC450>

COMMONLY REQUESTED ACCESSORY KITS

Splice Trays – FOSC 450 Fiber Optic Splice Closures are accompanied by a wide variety of splice trays and tray accessories including those for storing single and/or ribbon (mass) fusion splices, ribbon splices with ribbon slack on the same tray, and patching trays.

Multi-Cable Sealing Accessories – FOSC 450 closures can accommodate multiple cables entering a cable entry port by utilizing multi-cable sealing kits. Several styles of multi-cable kits are available.

Mounting Hardware – Many mounting hardware options are available for mounting closures in the various outside plant environments.

Slack Storage Baskets – Closures are typically supplied with standard size slack storage baskets. Tall version baskets (for storing additional slack) are also available.

Splitters and WDM's – A wide range of splitters and CWDM's are available, whether on FOSC trays or field installable.

See the Accessories section, pages 10 through 23, for additional details.

FOSC 450

Accessories

EXTRAS THAT MAKE YOUR JOB EASIER

While each FOSC 450 closure kit comes outfitted with components needed for installation, a full line of accessories is also available—from splice trays, to multi-cable-per-port sealing kits, to a range of mounting hardware options—to meet your splice closure needs.

The following is a listing of the most commonly requested accessories, categorized for your convenience. Additional accessories are also available.

For more information, check our website: www.te.com/TelecomNetworks.com, or contact your local salesperson or our Customer Service team for additional information.



450 A Cable Retention Plate



450 BS, B, C, D Cable Retention Plate
B version shown

CABLE TERMINATION ACCESSORIES

Closure Size	Kit Contents	Description	Cables	Grounding Hardware	Kits/Pkg	Part Number
A Only	Cable retention hardware, strength member retention hardware	FOSC-ACC-450-A-CBLTERM	1 Port	No	5	D20592-000
A Only	Cable retention hardware; strength member retention hardware	FOSC-ACC-450-A-CBLTERM-G	1 Port	Yes	5	C67369-000
BS Only	4 sets each: cable retention hardware (with hose clamps), strength member retention hardware	FOSC450-CABLE-TERM-4-BS	4 Ports	No	1	D25359-000
B, C, D	2 sets each: cable retention hardware (with hose clamps), strength member retention hardware	FOSC450-CABLE-TERM-2-N	2 Ports	No	1	F67166-000
B, C, D	2 sets each: cable retention hardware (with hose clamps), strength member retention hardware; ground wires	FOSC450-CABLE-TERM-2-G	2 Ports	Yes	1	C61629-000
B, C, D	4 sets each: cable retention hardware (with hose clamps), strength member retention hardware	FOSC450-CABLE-TERM-4-N	4 Ports	No	1	558850-000
B, C, D	4 sets each: cable retention hardware (with hose clamps), strength member retention hardware, ground wires	FOSC450-CABLE-TERM-4-G	4 Ports	Yes	1	659136-000

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Accessories

Closure Sealing Accessories

Closure Size	Cables Sealed ¹	Key Sealing Components	Description	Kits/Pkg	Part Number
Multiple Cables/Drop Cables per Port Seals					
All	3	Quick Install Gel Plug	A38215-000	10	FAK-MULDRP-45-3-DRP
			FAK-MULDRP-45-3/CBL-ATT*		40606V-000
	4	Gel Tape Wrap	41606V-000		FAK-MULDRP-45-4-DRP
			E21473-000		FAK-MULDRP-45-4/CBL-ATT*
		Quick Install Gel Plug	XJ261N-000		FAK-MULDRP-45-4P-DRP
			1F6818-000		FAK-MULDRP-45-4P/CBL-ATT*
Port Plugs (used to plug empty cable ports)					
All	N/A	Port Plug	A05721-000	50	FOSC-ACC-450-PORT-PLUGS
Replacement O-Rings (fits between dome and base)					
450A	N/A	O-Ring	381107-000	5	FOSC-ACC-400AB-450A-ORIN
450BS	N/A	O-Ring	HG302N-000	5	FOSC-ACC-450-BS-ORING
450B	N/A	O-Ring	A51343-000	5	FOSC-ACC-450-B-ORING
450C	N/A	O-Ring	429631-000	5	FOSC-ACC-D-O-RING-SEAL
450D	N/A	O-Ring	429631-000	5	FOSC-ACC-D-O-RING-SEAL

¹ Combined cable diameters must be within cable port size requirements.

*Cable Attachments Included



3-Cable Seal
with Cable Attachment Kit (assembled)



4-Cable Seal
with Cable Attachment Kit

SMOUV splice protection sleeves

Fiber Type	Description	Sleeve Information	Kits/Pkg	Part Number
SMOUV Fusion Splice Protection Sleeves				
Single Fiber	SMOUV-1120-01-US	Heat-shrinkable, 60 mm, single fiber splice protection sleeve	100	693979-000
Single Fiber	SMOUV-1120-02-US	Heat-shrinkable, 45 mm, single fiber splice protection sleeve	100	143339-000
Ribbon Fiber	SMOUV-1120-R2/12-US	Heat-shrinkable, 42 mm, 12 fiber ribbon splice protection sleeve	50	888498-000



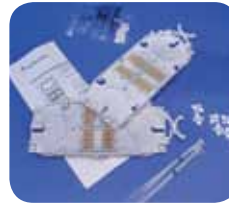
FOSC 450

Accessories

Splice Tray Accessories

FEATURES

- Variety of splice trays, capacities, options
- Single and Ribbon fiber styles



ORDERING INFORMATION

Closure Size	Tray Capacity	Includes Protection Sleeve?	Description	Kits include instructions, tie-wraps, tray and clear cover with:	Kits/Pkg	Part Number
A	12	No	FOSC-ACC-A-TRAY-12	2 SM-6 splice modules	2	497817-000
A	12	Yes	FOSC-ACC-A-TRAY-12-SMV60	2 SM-6 splice modules, 12 60MM SMOUV splice protection sleeves	2	HL0017-000
A	24*	No	FOSC-ACC-A-TRAY-24	2 SM-12 splice modules	2	429567-000
A	24	Yes	FOSC-ACC-A-TRAY-24-SMV60	2 SM-12 splice modules, 25 60MM SMOUV splice protection sleeves	2	EB063E-000
BS	12	No	FOSC-ACC-A-TRAY-12	2 SM-6 splice modules	2	497817-000
BS	12	Yes	FOSC-ACC-A-TRAY-12-SMV60	2 SM-6 splice modules, 12 60MM SMOUV splice protection sleeves	2	HL0017-000
BS	24*	No	FOSC-ACC-A-TRAY-24	2 SM-12 splice modules	2	429567-000
BS	24	Yes	FOSC-ACC-A-TRAY-24-SMV60	2 SM-12 splice modules, 25 60MM SMOUV splice protection sleeves	2	EB063E-000
B	12	No	FOSC-ACC-B-TRAY-12	2 SM-6 splice modules	2	898849-000
B	12	Yes	FOSC-ACC-B-TRAY-12-SMV60	2 SM-6 splice modules, 12 60MM SMOUV		G68315-000
B	24*	No	FOSC-ACC-B-TRAY-24	2 SM-12 splice modules	2	863927-000
B	24	Yes	FOSC-ACC-B-TRAY-24-SMV60	2 SM-12 splice modules, 25 60MM SMOUV splice protection sleeves	2	Z75279-000
C	12	No	FOSC-ACC-C-TRAY-12	2 SM-6 splice modules	2	RH0198-000
C	12	Yes	FOSC-ACC-C-TRAY-12-SMV60	2 SM-6 splice modules, 12 60MM SMOUV splice protection sleeves	2	X35373-000
C	24*	No	FOSC-ACC-C-TRAY-24	2 SM-12 splice modules	2	RH0202-000
C	24	Yes	FOSC-ACC-C-TRAY-24-SMV60	2 SM-12 splice modules, 25 60MM SMOUV splice protection sleeves	2	C4388W-000
D	00	No	FOSC-ACC-D-TRAY-00	Tray and clear cover, no splice modules. Includes tie-wraps, instructions.	2	122131-000
D	36	No	FOSC-ACC-D-TRAY-36	6 SM-6 splice modules	2	426579-000
D	36	Yes	FOSC-ACC-D-TRAY-36-SMV60	6 SM-6 splice modules, 40 60MM SMOUV splice protection sleeves	2	DK696L-000
D	48	No	FOSC-ACC-D-TRAY-48	6 SM-8 splice modules	2	579575-000
D	72*	No	FOSC-ACC-D-TRAY-72	6 SM-12 splice modules	2	915167-000
D	72	Yes	FOSC-ACC-D-TRAY-72-SMV60	6 SM-12 splice modules, 75 60MM SMOUV splice protection sleeves	2	JL0937-000
D	96	Yes	FOSC-ACC-D-TRAY-96-S60	8 FIST style splice modules, 100 60MM SMOUV splice protection sleeves	2	F10669-000

* TE's SMOUV splice sleeves highly recommended for use with these trays.

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Accessories



A/B Ribbon Tray Kit



Individual Splice Modules



D-12 Patch Tray



D-16 Patch Tray

ORDERING INFORMATION

Tray Capacity		Description	Kit Includes	Kits/ Pkg.	Part Number
Ribbon Fiber Trays					
A or B	144 Mass Fusion (12 fiber ribbon x 12 splices)	FOSC-ACC-A/B-TRAY-12-RBN	A/B Size Ribbon Tray with clear cover, 2 SM-6 splice modules, tie-wraps, instructions	1	709972-000
C	216 Mass Fusion (12 fiber ribbon x 18 splices)	FOSC-ACC-C-TRAY-RIBN-18	C Size Ribbon Tray with clear cover, 3 SM-6 splice modules, tie-wraps, instructions	1	398955-000
D	288 Mass Fusion (12 fiber ribbon x 24 splices)	FOSC-ACC-D-TRAY-RIBN-24	D Size Ribbon Tray with clear cover, 4 SM-6 splice modules, tie-wraps, instructions	1	061064-000
Patch Trays					
B	16 fiber patch tray	FOSC-ACC-B-TRAY-P-16-0	B-size Patch Tray with adapter retainer. Holds up to 16 SC style adapters.	1	A38455-000
D	16 fiber patch tray	FOSC-ACC-D-TRAY-P-16-0	D-size Patch Tray with adapter retainer. Holds up to 16 SC style adapters.	1	C03247-000
D	12 fiber patch tray	FOSC-ACC-D-TRAY-P-12-0	D-size Patch Tray, adapter retainer, no adapters installed	2	P5387P-000
D	12 fiber patch tray	FOSC-ACC-D-TRAY-P-SC/APC	D-size Patch Tray, adapter retainer, and 12 SC/APC style adapters	2	C91240-000
D	12 fiber patch tray	FOSC-ACC-D-TRAY-P-SC/UPC	D-size Patch Tray, adapter retainer, and 12 SC/UPC style adapters.	2	E90832-000
Splice Tray Covers					
A or BS		FOSC-ACC-A-TRAY-COVER	1 clear A-size tray cover	25	90887R-000
B		FOSC-ACC-B-TRAY-COVER	1 clear B-size tray cover	25	Y66598-000
C		FOSC-ACC-C-TRAY-COVER	1 clear C-size tray cover	25	YD926E-000
D		FOSC-ACC-D-TRAY-COVER	1 clear D-size tray cover	25	ZP0533-000
Splice Modules (for replacing or adding modules to trays)					
All		FOSC-ACC-SM6-MODULES	6-splice capacity snap-in module	48	581981-000
All		FOSC-ACC-SM8-MODULES	8-splice capacity snap-in module	48	332341-000
All		FOSC-ACC-SM12-MODULES**	12-splice capacity snap-in module	48	275897-000
All		FOSC-ACC-SPLCEHLDR12-SMV	12-splice capacity (high density) snap-in module	100	B86578-000

*Splice tray dimensional information can be found in the Engineering Section.

**TE's SMOUV splice sleeves are highly recommended for use with these trays/modules.

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Accessories

Fiber Management and Routing Accessories

Single and Ribbon fiber

Closure Sizes	Tubing Style	Description	Kit Includes	Std. Pack	Part Number
All	Transportation	FOSC-ACC-TTUBE-SMLL-16IN	Six 16 inch pieces	240	526767-000
		FOSC-ACC-TTUBE-SMLL-50FT	One 50 foot section	10	829333-000
		FOSC-ACC-TTUBE-LRGE-16IN	Six 16 inch pieces	240	118317-000
		FOSC-ACC-TTUBE-LRGE-50FT	One 50 foot section	10	646311-000
		FOSC-ACC-TTUBE-RBN12-16I	Six 16 inch pieces	240	577809-000
		FOSC-ACC-TTUBE-RBN12-50	One 50 foot section	10	226809-000
		FOSC-ACC-TTUBE-RBN16I	Six 16 inch pieces	240	F2103R-000
		FOSC-ACC-TTUBE-RIBN24-50	One 50 foot section	10	57581K-000
	Buffer Tube Wrap	FOSC-ACC-LBTWRAP-100	One wrap	100	RH0073-000
	Spiral	FOSC-ACC-SPRLTUBE-1/8	One 500 foot roll	1	234855-000
		FOSC-ACC-SPRLTUBE-3/16	One 200 foot roll	1	469031-000
		FOSC-ACC-SPRLTBE-3/16-25	One 25 foot section	1	RH0090-000
		FOSC-ACC-SPRLTBE-3/8-50	One 50 foot section	1	460490-000



118317-000



829333-000

Slack Basket Accessories

Various styles are available for regular or increased slack storage. Slack Baskets-For converting no-basket kits to basket versions, or for changing basket size.

Basket Style	Closure Sizes	Description	Kits per Pkg.	Part Number
Standard	A	FOSC-ACC-A8/450A-BASKET	1	E14672-000
	BS	FOSC-ACC-B-BASKET	1	457507-000
	B	FOSC-ACC-B-BASKET	1	457507-000
	C	FOSC-ACC-C-BASKET	1	RH0199-000
	D	FOSC-ACC-D-BASKET	1	089279-000
Tall	A	FOSC-ACC-450A4-BASKET-T	1	A91433-000
	BS	FOSC-ACC-B-BASKET-TALL	1	F53958-000
	B	FOSC-ACC-B-BASKET-TALL	1	F53958-000
	C	FOSC-ACC-C-BASKET-TALL	1	RH0200-000
	D	FOSC-ACC-D-BASKET-TALL	1	056395-000



089279-000

Note: Tall style slack storage baskets provide increased slack storage over standard baskets, but may reduce the closure's splice tray capacity.

Grounding Accessories

Description	Kit Includes	Kits per Pkg.	Part Number
FOSC-ACC-450-FIBRGRD-KIT	Groundwire and associated hardware to add 1 ground to any FOSC 450 closure	5	A33560-000
FOSC-ACC-MULT-EXT-GRND-3	Groundwire and associated hardware to add up to 3 grounds to any FOSC 450 closure*	5	449105-000
FOSC-ACC-MULT-EXT-GRND-6	Groundwire and associated hardware to add 6 grounds to any FOSC 450 closure*	5	671575-000
FOSC-ACC-450-COM-GRD-A	Groundwires (alligator clip one end, eyelet on other) and bonding braid to bond up to 6 cables together	5	A11796-000
FOSC-ACC-450-COM-GRD-B	Groundwires (eyelets on each end ...for use with B-Bonds) and bonding braid to bond up to 6 cables together	5	D46439-000
FOSC-ACC-RUS-B-BONDS	RUS-listed B Bonds	100	92733M-000

* Grounds are placed through one of the cable ports.

FOSC 450

Accessories

Closure Mounting Hardware Accessories

Below are a variety of mounting hardware options for 450 closures.

A	BS	B	C	D	Description	Std. Pack	Kit Includes	Part Number
Aerial								
•	•	•	•	•	FOSC-ACC-LASHING-STRAPS	10	2 metallic lashing straps, 2 nylon lashing straps, 4 cable spacers	360889-000
•	•	•	•	•	FOSC-ACC-AERIAL-CLAMPS	10	2 hanger brackets and clamps, 2 Snaplock clamps, 2 lashing straps	663259-000
•	•	•	•	•	FOSC-ACC-LASH-CBL-SUPPORT	1	Lashing strap	124063-000
•	•	•	•	•	FOSC-ACC-UNIV-AER-CL-NO6	5	2 hanger brackets and clamps, 2 lashing straps, ground wire	340883-000
•	•	•	•	•	FOSC-ACC-450-AERIAL-CLMP	10	1 dome mounting bracket, 1 base mounting bracket, 2 Snaplock clamps, associated hardware	A13909-000
•	•	•	•	•	FOSC-ACC-ADSSBRKT-400450	1	1 set of ADSS hanger clamps, cable protection wrap	1B376P-000
•	•	•	•	•	FOSC-ACC-SNAPLOCK-CLAMPS	100	1 Snaplock clamp	C85442-000
Pedestal								
•	•	•	•	•	FOSC-ACC-PED-BRKT-UNIV	10	Universal pedestal bracket, Snaplock clamp, associated hardware	F29601-000
Pole or Wall								
•	•	•	•	•	FOSC-ACC-WALL/POLE-MOUNT	1	2 mounting brackets, 2 Snaplock clamps, 4 lag bolts	C82508-000
•	•	•	•	•	FOSC-ACC-WALL-PMT-BRKT	1	2 mounting brackets, 4 Snaplock clamps, 4 lag bolts	D80858-000
		•			FOSC-ACC-MTGBKT-450-B6PL	1	Custom bracket components and hardware for mounting FOSC 450 B6 closure to pole	D91837-000
				•	FOSC-ACC-D-POLE-MOUNT	1	Custom bracket and hardware for mounting FOSC 450 D6 closure to pole.	919435-000



360889-000



663259-000



124063-000



340883-000



A13909-000



F29601-000



1B376P-000



C82508-000



D80858-000



D91837-000



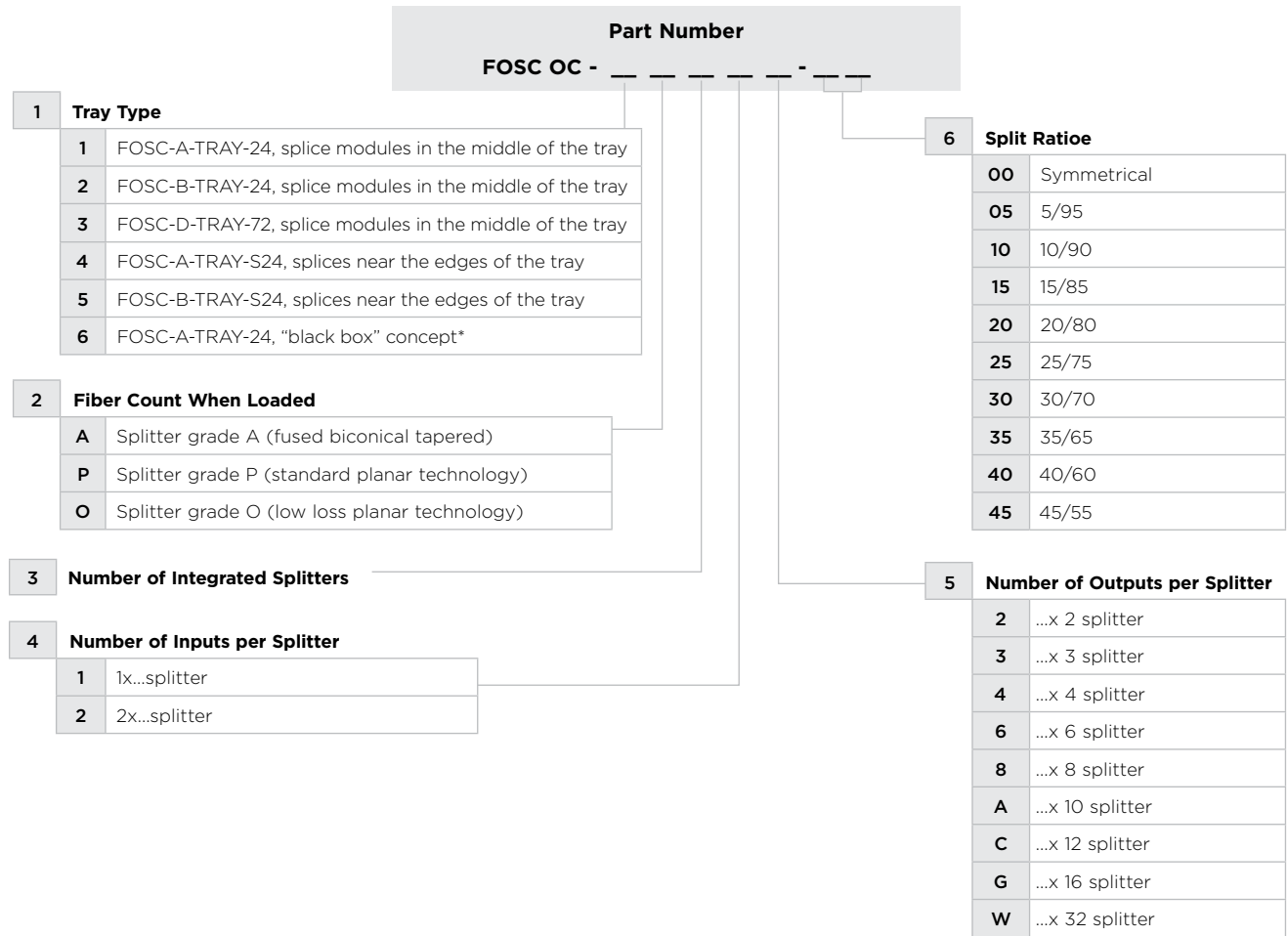
919435-000

*Snaplock is a trademark of Epicor Industries, Inc.

FOSC 450

Ordering Information

FOSC OC Splitter

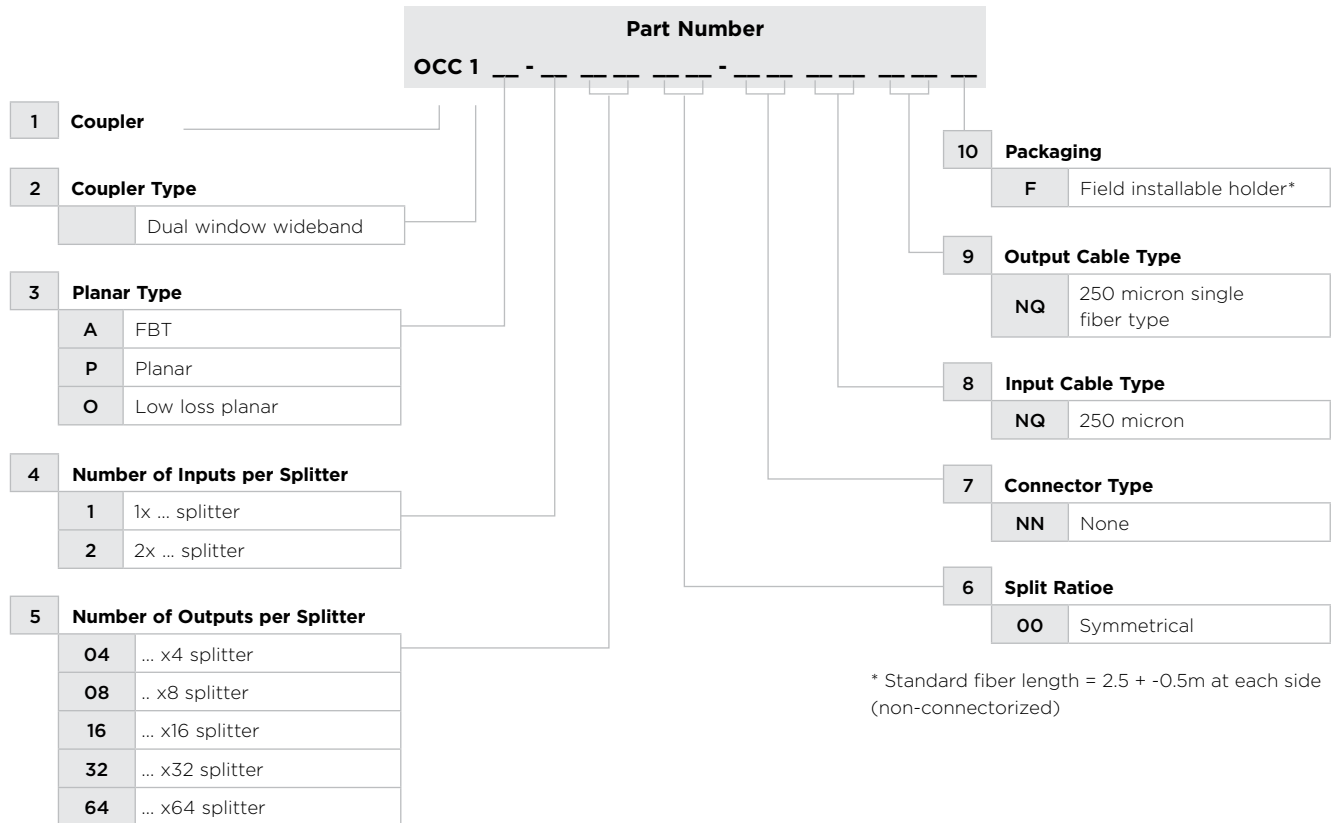


* FOSC-A-Tray-24 fits A or B size closures.

FOSC 450

Ordering Information

Field-Installable Splitter



FOSC 450

Passives - Splitters

Trays with Singlemode Wideband Couplers/Splitters

Trays come in a standard package of one.



FOSC OC Splitter



Field-installable Splitter

Tray Type**	Tray Capacity	Splitter Type	OC Splitter Kits Description	Detailed Description	Part Number
A	24*	Grade A-Fused Biconical Tapered	FOSC-OC-1A11200	1 - 1x2 splitter, symmetrical split ratio	CA2118-000
			FOSC-OC-1A11235	1 - 1x2 splitter, 35/65 symmetrical split ratio	CC6221-000
			FOSC-OC-1A11400	1 - 1x4 splitter, symmetrical split ratio	I33450-000
			FOSC-OC-1A21400	2 - 1x4 splitter, symmetrical split ratio	D30790-000
B	24*	Grade A-Fused Biconical Tapered	FOSC-OC-2A11200	1 - 1x2 splitter, symmetrical split ratio	C79887-000
			FOSC-OC-2A11400	1 - 1x4 splitter, symmetrical split ratio	768084-000
			FOSC-OC-2A11800	1 - 1x8 splitter, symmetrical split ratio	861456-000
D	24*	Grade A-Fused Biconical Tapered	FOSC-OC-3A11200	1 - 1x2 splitter, symmetrical split ratio	C75768-000
			FOSC-OC-3A11400	1 - 1x4 splitter, symmetrical split ratio	C70179-000
			FOSC-OC-3A11800	1 - 1x8 splitter, symmetrical split ratio	329536-000
			FOSC-OC-3A21400	2 - 1x4 splitter, symmetrical split ratio	A69314-000
	72*	Group P-Standard Planar Technology	FOSC-OC-3A21800	2 - 1x8 splitter, symmetrical split ratio	A61669-000
			FOSC-OC-3P11400	1 - 1x4 splitter, symmetrical split ratio	CB9820-000
			FOSC-OC-3P11800	1 - 1x8 splitter, symmetrical split ratio	E49835-000
			FOSC-OC-3P11G00	1 - 1x16 splitter, symmetrical split ratio	D39890-000
			FOSC-OC-3P11W00	1 - 1x32 splitter, symmetrical split ratio	F58883-000
			FOSC-OC-3P21800	2 - 1x8 splitter, symmetrical split ratio	CB4800-000
			FOSC-OC-3P21G00	2 - 1x16 splitter, symmetrical split ratio	C73000-000
			FOSC-OC-6A11200	1 - 1x2 splitter, symmetrical split ratio	E45575-000
A or B	"Black Box"	Grade A-Fused Biconical Tapered	FOSC-OC-6A11400	1 - 1x4 splitter, symmetrical split ratio	C74415-000
			FOSC-OC-6A11800	1 - 1x8 splitter, symmetrical split ratio	F54686-000
			FOSC-OC-6A21400	2 - 1x4 splitter, symmetrical split ratio	A10948-000
			FOSC-OC-6A21800	2 - 1x8 splitter, symmetrical split ratio	E42433-000
			FOSC-OC-6A51200	1 - 5x2 splitter, symmetrical split ratio	C74674-000
			FOSC-OC-6P11G00	1 - 1x16 splitter, symmetrical split ratio	D39498-000
		Grade P-Fused Planar Tapered	FOSC-OC-6P12G00	1 - 2x16 splitter, symmetrical split ratio	C75701-000
		Grade A-Fused Biconical Tapered	OCC1A-10400-NNNQNQF	1 - 1x4 FBT	CC9545-000
		Grade P-Fused Planar Tapered	OCC1P-10800-NNNQNQF	1 - 1x8 planar	CC8542-000
		Grade P-Fused Planar Tapered	OCC1P-11600-NNNQNQF	1 - 1x16 planar	CC8544-000
		Grade P-Fused Planar Tapered	OCC1P-13200-NNNQNQF	1 - 1x32 planar	CC8312-000
		Grade P-Fused Planar Tapered	OCC1P-16400-NNNQNQF	1 - 1x64 planar	CC8313-000

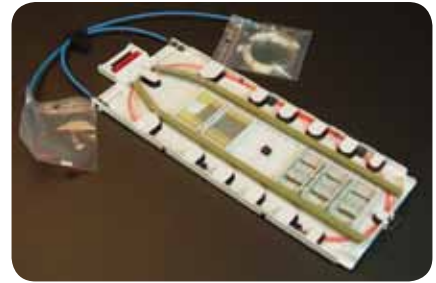
*TE's SMOUV splice sleeves highly recommended for use with these trays/modules.

** A trays fit A or B-size closures.

FOSC 450

Ordering Information

FOSC OC CWDM



Part Number
FOSC OC - XC

1 Tray Type

3	FOSC-D-TRAY-72, splice modules in the middle of the tray
6	FOSC-A-TRAY-24, "black box" concept
7	2 unit high FOSC-D tray with 12 connector patchpanel
8	1 unit high FOSC-tray with 6 connector patch panel
10	2 unit high FOSC-D tray with splice modules
11	2 unit high FOSC-A tray "black box" concept*

2 Coarse WDM components

3 Number of Channels

1	...x 2 splitter
2	...x 3 splitter
4	...x 4 splitter
8	...x 6 splitter
A	4 channels + upgrade port
B	8 channels + upgrade port
C	4 channels + upgrade + 1310 nm port
D	8 channels + upgrade + 1310 nm port
E	4 channels + 1310 nm port
F	8 channels + 1310 nm port
G	10 channels + 1310 nm port
H	2 channels + upgrade
I	2 channels + upgrade + 1310 nm port
J	5 channels + upgrade + 1310 nm port
K	5 channels + upgrade
L	3 channels + upgrade
N	10 channels
O	18 channels
P	10 channels + 1310 (cwdm)

7 Connector Type

NN Not applicable

Connector type

Min. return loss	SC	FC	E2000	LC	MU
50 db (UPC)*	S1	F1	L1	U1	
60 db (APC 8°)**	S2	F2	E9	L2	
60 db (APC 9°)**	S3				

**UPC Ultra polished physical contact*
***APC Angled polished physical contact*

6 Channel Spacing/Sequence

1	20 nm e.g. 1270,1290, 1310, ...
2	40 nm e.g. 1270, 1310, 1350, ...
0	one channel only

5 Starting Wavelength

27	1270 nm
29	1290 nm

4 Type

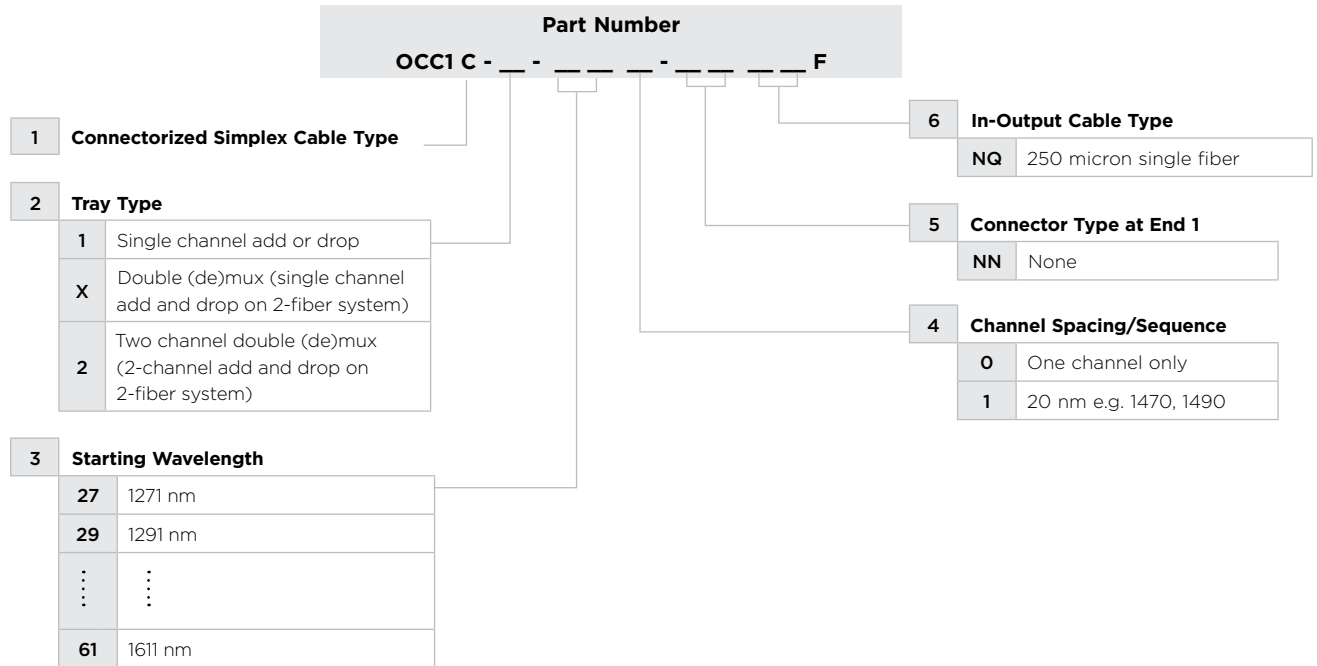
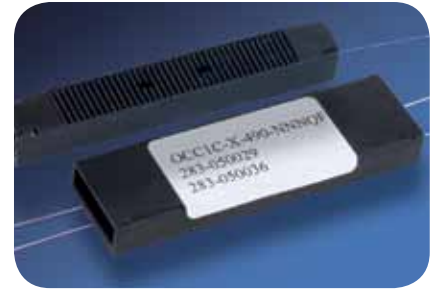
M	Multiplexing
D	Demultiplexing
X	Double demux (for 2 fiber system)
Y	Double mux (for 2 fiber system)

* FOSC-A-Tray-24 fits A or B size closures.

FOSC 450

Ordering Information

Field-Installable CWDM



FOSC 450

Passives - CWDMs

Trays with Coarse Wavelength Division Multiplexing/DeMultiplex Components (CWDM)

Detailed Description	Number of Channels	Upgrade Port	1310	FOSC-OC-XC-CWDMs Description	Part Number
Tray Type: A**; Tray Capacity: "Black Box"					
Double Demux 1470nm	1			FOSC-OC-6C1X470NN	A12093-000
Double Demux 1490nm	1			FOSC-OC-6C1X490NN	D81777-000
Double Demux 1530nm	1			FOSC-OC-6C1X530NN	A68278-000
Double Demux 1550nm	1			FOSC-OC-6C1X550NN	F06637-000
Double Demux 1570nm	1			FOSC-OC-6C1X570NN	C23974-000
Double Demux 1590nm	1			FOSC-OC-6C1X590NN	D86266-000
Double Demux 1610nm	1			FOSC-OC-6C1X610NN	D33963-000
Demux 1470-1490nm	2			FOSC-OC-6C2D471NN	D31817-000
Demux 1510-1530nm	2			FOSC-OC-6C2D511NN	D81979-000
Demux 1550-1570nm	2			FOSC-OC-6C2D551NN	C73118-000
Demux 1590-1610nm	2			FOSC-OC-6C2D591NN	E48928-000
Demux 1510-1530nm	2	x		FOSC-OC-6CHD511NN	CB1790-000
Demux 1550-1570nm	2	x		FOSC-OC-6CHD551NN	CA9070-000
Demux 1590-1610nm	2	x		FOSC-OC-6CHD591NN	CA9071-000
Double Demux 1470-1490nm	2	x		FOSC-OC-6CHX471NN	CC4287-000
Double Demux 1510-1530nm	2	x		FOSC-OC-6CHX511NN	CC4288-000
Double Demux 1550-1570nm	2	x		FOSC-OC-6CHX551NN	CC4289-000
Double Demux 1590-1610nm	2	x		FOSC-OC-6CHX591NN	CC4290-000
Demux 1550-1610nm	4			FOSC-OC-6C4D551NN	CA6103-000
Demux 1470-1530nm	4	x		FOSC-OC-6CAD471NN	CB1808-000
Demux 1550-1610nm	4	x		FOSC-OC-6CAD551NN	CB1799-000
Mux 1510-1570nm	4	x		FOSC-OC-6CAM511NN	CA6417-000
Double Demux 1550-1610nm	4	x		FOSC-OC-6CAX551NN	CC3378-000
Double Mux 1470-1530nm	4	x		FOSC-OC-6CAY471NN	CB6702-000
Demux 1430-1510nm	5			FOSC-OC-6C5D431NN	C27830-000
Demux 1470-1610nm	8			FOSC-OC-6C8D471NN	CA6420-000
Demux 1470-1610nm	8	x		FOSC-OC-6CBD471NN	CC3676-000
Tray Type: D*; Tray Capacity: 72*					
Double Demux 1470nm	1			FOSC-OC-3C1X470NN	CC2323-000
Add/Drop Redundant 1470-1530nm	3			FOSC-OC-3C3R471NN	CC7395-000
Double Demux 1430-1510nm	5			FOSC-OC-3C5X431NN	A67037-000
Demux 1550-1610nm	4	x		FOSC-OC-3CAD551NN	CC6143-000
Demux 1470-1610nm	8	x		FOSC-OC-3CBD471NN	CC6140-000
Double Demux 1470-1530nm	4	x	x	FOSC-OC-3CCX471NN	E99683-000
Demux 1470-1610nm	8		x	FOSC-OC-3CFD471NN	E98266-000

* TE's SMOUV splice sleeves are highly recommended for use with these trays/modules. Note: One tray kit per package.

** A trays fit A or B-size closures.

FOSC 450

Passives - CWDMs

Detailed Description	Number of Channels	FOSC-OC-XC-CWDMs Description	Part Number
Tray Type: D*; Tray Capacity: 6 connectors			
Double Demux 1470nm SC/APC	1	FOSC-OC-8C1X471S2	E46843-000
Double Demux 1610nm SC/APC	1	FOSC-OC-8C1X611S2	E47122--000
Tray Type: N/A; Tray Capacity: N/A			
1 Ch Double Demux 1431 nm	1	OCC1C-X-430-NNNQF-US26	CP5771-000
1 Ch Double Demux 1451 nm	1	OCC1C-X-450-NNNQF-US26	CP5772-000
1 Ch Double Demux 1471 nm	1	OCC1C-X-470-NNNQF-US26	CP5773-000
1 Ch Double Demux 1491 nm	1	OCC1C-X-490-NNNQF-US26	CP5774-000
1 Ch Double Demux 1511 nm	1	OCC1C-X-510-NNNQF-US26	CP5775-000
1 Ch Double Demux 1531 nm	1	OCC1C-X-530-NNNQF-US26	CP5776-000
1 Ch Double Demux 1551 nm	1	OCC1C-X-550-NNNQF-US26	CP5777-000
1 Ch Double Demux 1571 nm	1	OCC1C-X-570-NNNQF-US26	CP5779-000
1 Ch Double Demux 1591 nm	1	OCC1C-X-590-NNNQF-US26	CP5780-000
1 Ch Double Demux 1611 nm	1	OCC1C-X-610-NNNQF-US26	CP5781-000
2 Ch Double Demux 1471 - 1491 nm	2	OCC1C-2-X471-NNNQF-US26	CP9377-000
2 Ch Double Demux 1511 - 1531 nm	2	OCC1C-2-X511-NNNQF-US26	CP9378-000
2 Ch Double Demux 1551 - 1571 nm	2	OCC1C-2-X551-NNNQF-US26	CP9379-000
2 Ch Double Demux 1591 - 1611 nm	2	OCC1C-2-X591-NNNQF-US26	CP9380-000
2 Ch Double Demux 1310 - 1550 nm	2	OCC1C-2-X31A-NNNQF-US26	CP9381-000

* TE's SMOUV splice sleeves are highly recommended for use with these trays/modules. Note: One tray kit per package.

** A trays fit A or B-size closures.

FOSC 450

Miscellaneous Accessories

Category	Kit Includes	Item	Description	Part Number
Workstand	Clamp for holding FOSC 450 closure during splicing	FOSC 450 Closure Workstand	FOSC-ACC-450-WORKSTAND	941802-000
Flame Retardant Coverings	1 flame retardant bag for FOSC 450 A, B or BS (B Short) closure	Flame Retardant Vault Bag for A & B size closures	FOSC-ACC-A/B-VAULT-BAG	263245-000
	1 flame retardant bag for FOSC 450 C or D closure	Flame Retardant Vault Bag for C & D size closures	FOSC-ACC-D-VAULT-BAG	766709-000
Closure Upgrade Kit	Kit to upgrade FOSC 450C closure 450D. Includes D size dome and 36 count splice tray (additionaltrays sold separately).	FOSC 450C to 450D Upgrade Kit	FOSC-ACC-C-D-CONVRSION	9J701X-000
Closure Rehab Kit	FOSC 450C and D version base separable into 2 halves. For rehabilitation of closures with wide splice trays into a FOSC 450 C or D closure.	FOSC 450 C&D Split Base	FOSC-450D-SPLTBASE-01	D80569-000
	Combination 450 D closure and Split Base	FOSC 450 D Rehab Kit	FOSC450-D6-REHAB-KIT	RH0070-000
Label Cards	Blue Label Cards with numbers F1-F24 & 1TO-8TO	Label Cards - Blue	FOSC-ACC-ID-LBLCARD-BLUE	119982-000
	White Label Cards with numbers D1-D24, 1-8	Label Cards - White	FOSC-ACC-ID-LBLCARD-WHT	759952-000
	Identification label for A&B trays	Label for A & B trays	FOSC-ACC-DECAL-ID-ABTRAY	E34360-000
Slack Storage Sock	Loose buffer tube storage sock for 450A, B and BS closures.	Loose Buffer Tube Storage Sock for A, BS, B closures	FOSC-ACC-LBT-SOCK	769441-000
	Loose buffer tube storage sock for 450 C & D closures.	Loose Buffer Tube Storage Sock for C & D closures	FOSC400-D-SOCK	019008-000
Wraps	Multi-functional adhesive backed wrap primarily for placement onto loose buffer tubes as they enter a splice tray.	Loose Buffer Tube Wrap	FOSC-ACC-LBT-WRAP-100	RH0073-000
	Multi-functional adhesive backed wrap primarily for placement onto drop cables to be placed under the cable retention clamp hardware.	Multi-Drop Wrap	FOSC-ACC-MD-WRAP-25	RH0126-000
Shield Continuity		Shield Continuity Clamp	FOSC-ACC-SHIELDCONTCLMP	9V219F-000
Splice Tray Accessories	Specially designed holder for attaching un-tubed ribbons onto a splice tray	Ribbon Fiber Termination Module	FOSC-ACC-RIBBON-TERM-MOD	D7512P-000
	Device for separating ribbons routing to different splice trays	D Basket Ribbon Router	FOSC-ACC-D-RIBBON-ROUTER	525147-000
	Tray tabs for A & B splice trays	FOSC Tray Hold-down tabs	FOSC-ACC-TRAY-HOLD-TABS	D77919-000
	Tie-wraps for splice trays	FOSC Tray tie-wraps	FOSC-ACC-TRAY-TY-RAPS	L5904R-000
Tray Backbone	Bracket for holding trays in position when no slack basket is present	Tray Backbone	FOSC-ACC-D-BACKBONE	F47112-00a
Straps to Secure Trays	Strap for securing trays in FOSC 450 A, BS closures	FOSC Tray Velcro Strap - Black	FOSC-ACC-VELCROSTRAP-16	L48638-000
	Strap for securing trays in FOSC 450 B, C and D closures	FOSC Tray Velcro Strap - Red	FOSC-ACC-VELCROSTRAP-25	66994Z-000
Strength Member Bracket	Large size strength member bracket	Large Strength Member Bracket	FOSC-ACC-STRMEM-BRKT-LG	135731-000
Specialty Tools	Raucut1 tooling to open cut or uncut (midspan) buffer tubes. Kit includes inserts for tubes 1.8 mm to 4.2mm diameter	Buffer Tube Stripper Tool	FACC-AXIAL-STRIPPER-RC1	250960-000

FOSC 450

Additional FOSC Fiber Optic Splice Closures

A family of closures designed for your fiber network needs!

FOSC 450 fiber optic splice closures is just one of several families of FOSC closures that connect, protect and seal the fiber optic network.

The information that follows describes some of the other closure families and products available for your fiber network from TE.



FOSC 250 Closure

The FOSC 250 splice closure sets a new standard in installation efficiency for Fiber-to-the-Home applications. Specifically designed for more efficient termination of drop or terminal cables to the distribution cable, the FOSC 250 splice closure utilizes an integrated splice tray, slack basket, and compressed gel sealed base that simplifies training and installation while reducing loose or unused closure parts, deployment times, installation errors, and overall installation costs.



FOSC 350 Closure

The new FOSC 350 in-line gel sealed fiber splice closure holds up to 96 single splices (196 for 12-fiber ribbons). This two-halved, re-enterable and re-useable closure incorporates four cable entry ports, hinging splice trays, and toolless perimeter latches. Accessory kits are available for bringing multiple cables through a single cable port.



FOSC 400 Closures

Similar to the 450 family, this is a family of single ended (butt) style fiber optic splice closures utilizing heat shrink cable sealing rather than gel. Other features include a removable dome, hinging splice trays and a range of sizes and styles to choose from.



AIR FOSC Closures

These free breathing closures are designed for aerial applications and provide either taut sheath or inline (with slack) splicing. The rodent resistant body and FOSC splice trays provide an efficient closure to connect, protect and distribute fiber and fiber cables.



FOSC 400 Flame Retardant Closures

Flame retardant versions of the FOSC 400 B and 400 D closures.



FOSC 500 Closures

The smallest of the FOSC closure family, the 500 uses gel sealing and can be configured for butt or inline splicing. Slack storage is limited to bare fibers, and has a twenty-four single splice capacity.



Gator 12F Gel Splice Closure

TE introduces a small splice closure designed for splicing two flat drop style cables.

- Small enough to fit into "flower pot" size hand holes
- Accommodates up to 12 single fibers, 12 ribbonized fibers, or one 12 fiber ribbon



FOSC 600 Closures

The largest of the FOSC closure family, 600 fiber optic splice closures are a great fit for applications such as large cable splicing in the network backbone, consolidating a large number of cables and splices, or rehabilitating failed closures.

For additional information, contact your local area sales representative or visit our web site: www.te.com/TelecomNetworks

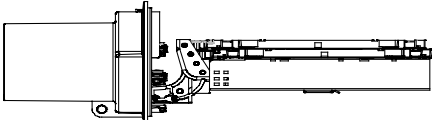
FOSC 450

Engineering Information

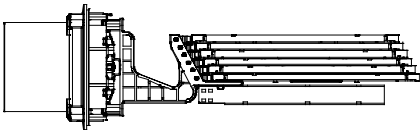
In the following section you will find dimensional and assembly information and drawings related to FOSC 450 fiber optic splice closures and accessories. Additional information is available upon request.

FOSC 450 CLOSURE FAMILY ASSEMBLY DRAWINGS

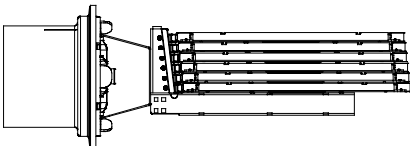
450 A – Shown with 2 standard splice trays and tall version slack basket



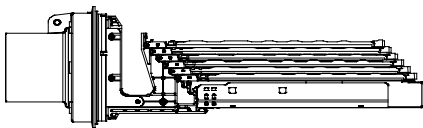
450 B – Shown with 6 standard splice trays and standard version slack basket



450 BS (B SHORT) – Shown with 6 standard splice trays and standard version slack basket



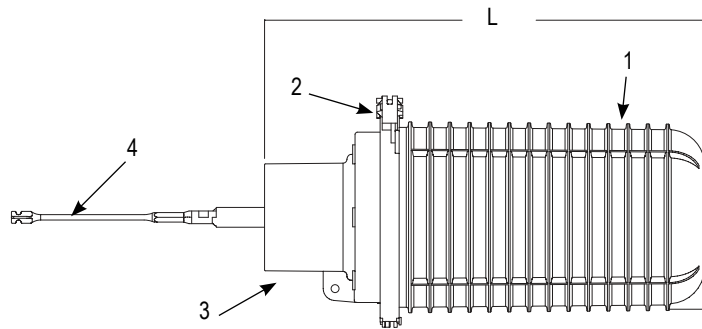
450 C/D – D size shown with 6 standard splice trays and standard version slack basket. Note: FOSC 450 C closure is not shown, but will replicate the D size with the exception of shorter trays, basket, and dome.



Note: The drawings are not to scale



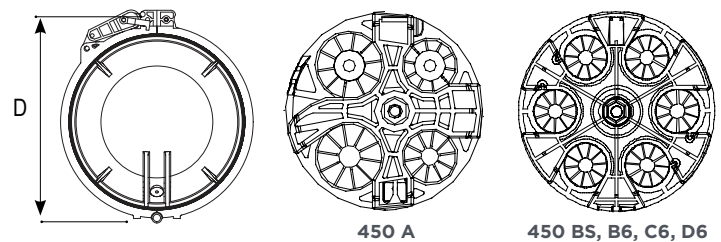
CLOSURE DIMENSIONS



Drawing Key

1. Dome
2. Clamp
3. Base
4. Trigger

GEL-BLOCK PROFILES



Closure Size (Dimensions in inches)

	A	BS	B6	C6	D6
L Total closure length, excluding trigger	19	19	24	23	30
D Closure outer diameter, including clamp	8	9.2	9.8	11.5	11.5

NOTE: Diameters excluding clamp are approximately 2 inches less.

Cable port dimensions (Dimensions in inches)

	A	B6	C6	D6
Number round cable ports	4	6	6	6
Cable diameter range	.30-.87 (2X)	.35-1	.35-1	.35-1
	.39-1.10 (2X)			

FOSC 450

Splice Tray

SPLICE TRAY DIMENSIONS

Tray Sizes	Fits FOSC Closure Size					Tray Fiber Capacity Versions Available		Nominal Tray Dimensions (inches, hinge not included)
	400	450	500	600	AIR FOSC	Single	Mass	L x W x H
A	A4, A8	A4, B5	N/A	N/A	A	12, 24	72*	9 ¹ / ₈ x 3 ⁷ / ₈ x 7 ¹ / ₁₆
B	B2, B4	B6	N/A	N/A	B	12, 24	72*	12 x 3 ⁷ / ₈ x 7 ¹ / ₁₆
C	C5	C6	N/A	N/A	N/A	12, 24	144*	7 ¹ / ₂ x 5 ⁷ / ₈ x 7 ¹ / ₁₆
D	D5	D6	N/A	C or D	N/A	36, 72, 96	288*	15 x 5 ⁷ / ₈ x 7 ¹ / ₁₆
A/B Ribbon	A4, A8, B2, B4	A4, B5, B6	N/A	N/A	A & B	N/A	144	9 ¹ / ₈ x 3 ⁷ / ₈ x 1
C Ribbon	C5	C6	N/A	N/A	N/A	N/A	216	7 ¹ / ₂ x 5 ⁷ / ₈ x 1
D Ribbon	D5	D6	N/A	C or D	N/A	N/A	288	15 x 5 ⁷ / ₈ x 1

* When performing mass fusion splicing on these trays, ribbon slack must be stored on a separate tray or slack basket.

FOSC Fiber Optic Splice Closures

Quick Reference Guide

Closure	HEAT-SHRINK CABLE SEALING								GEL CABLE SEALING						BREATHABLE	
	FOSC 400				FOSC 450				FOSC 500				FOSC 600		AIR FOSC	
Type/Size	D5	C5	B2	B4	A4	A8	D6	C6	B6	BS	A4	AA	D	C	A / B	
Closure Size (inches)	11.5 dia. 31 L	11.5 dia. 23 L	8 dia. 25 L	8 dia. 25 L	8 dia. 19.5 L	11.5 dia. 23 L	11.5 dia. 30 L	11.5 dia. 23 L	9.8 dia. 24 L	9.2 dia. 19 L	8 dia. 19 L	19 Lx2.5x5	33 Lx10x11	33 Lx6x11	29.5/37 Lx6x5	
Approx. Closure Weights (lbs)	16	12	8	8	6	16	20	16	13	10	6	5	31	30	22/15	
Closure Capacity																
<i>End-to-End</i>																
Single Splice (SM6 Modules)	288	96	48	48	24	48	288	96	72	72	48	24 ²	324	180	48	
Single Splice (SM12 Modules) ¹²	576	192	96	96	48	96	576	192	144	144	96	24 ²	648 / 864 ²	360 / 480 ²	96	
Mass Fusion Splice	1152	864	144	144	n/a	144	1152	864	288	144	144	n/a	1728	864	288	
<i>Mid-Sheath</i>																
Single Splice	432	192	96	96	48	96	576	192	144	144	72	24	864	480	96	
Mass Fusion Splice	864	432	144	144	n/a	144	864	432	288	288	216	n/a	1728	864	288	
Trays Per Closure																
Standard Trays	8' / 6' / 5' 4 ³ /3 ² /2 ⁶	8' / 6' / 5' 4 ³ /3 ² /2 ⁶	4 ⁴	2 ⁵	2 ²	4 ³ /2 ⁶	8' / 6' / 5' 4 ³ /3 ² /2 ⁶	8' / 6' / 5' 4 ³ /3 ² /2 ⁶	6 ¹ /6' / 4 ⁶ 3 ¹ /3 ² /2 ⁶	6 ¹ /6' / 2 ⁶ 3 ¹ /3 ² /1 ⁶	4 ³ / 3 ² / 2 ⁶ 2 ¹ / 2 ² / 1 ⁶	1	9	5	4	
Ribbon Trays												n/a	5 ³	3 ³	n/a ¹¹	
Single Fiber Splice Capacity per Tray																
SM6 Modules	36	12	12	12	12	12	36	12	12	12	12	n/a	36	36	12	
SM12 Modules ¹²	72	24	24	24	24	24	72	24	24	24	24	n/a	72	72	24	
FIST Modules ¹²	96	n/a	n/a	n/a	n/a	n/a	96	n/a	n/a	n/a	n/a	24	96	96	n/a	
Patching																
Tray (quantity/type)	Yes (12, 16/sc)	No	No	No	No/No	No/No	Yes (12, 16/sc)	No	Yes (12, 16/sc)	No	No	No	Yes (12, 16/sc)	Yes (12, 16/sc)	No	
Basket (quantity/type)	Yes (4/all, 8/sc)	No	Yes (4/all, 8/sc)	Yes (4/all, 8/sc)	Yes (4/all, 8/sc)	Yes (4/all, 8/sc)	Yes (4/all, 8/sc)	No	Yes (4/all, 8/sc)	Yes (4/all, 8/sc)	Yes (4/all, 8/sc)	No	No	No	No	
Sealing System																
Closure Dome-to-Base or Top-to-Bottom	"O" Ring/ Clamp	"O" Ring/ Clamp	"O" Ring/ Clamp	"O" Ring/ Clamp	"O" Ring/ Clamp	"O" Ring/ Clamp	"O" Ring/ Clamp	"O" Ring/ Clamp	"O" Ring/ Clamp	"O" Ring/ Clamp	"O" Ring/ Clamp	Dry Gasket	Dry Gasket	Dry Gasket	Breathable	
Cable Capacity																
Butt (std./max.)	7 / 12 ⁸	7 / 12 ⁸	4 / 8 ³	6 / 10 ⁹	6 ³	10 ⁹	6 / 16 ⁷ / 21 ⁸	6 / 16 ⁷ / 21 ⁸	6 / 16 ⁷ / 21 ⁸	6 / 16 ⁷ / 21 ⁸	4 / 10 ⁷ / 13 ⁸	2	8 / 16 ⁷ / 20 ⁸	8 / 16 ⁷ / 20 ⁸	n/a	
Inline (std./max.)	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4	12 / 20 ⁷ / 24 ⁸	12 / 20 ⁷ / 24 ⁸	up to 12	
Fire Retardant Closure Available	Yes (400-D5/FR)	No ¹⁰	Yes (400-D5/FR)	Yes (400-D5/FR)	No ¹⁰	No ¹⁰	No ¹⁰	No ¹⁰	No ¹⁰	No ¹⁰	No ¹⁰	No	No	No	No	
Tools Required	CV-1981 Hot Air Gun, Power	CV-1981 Hot Air Gun, Power	CV-1981 Hot Air Gun, Power	CV-1981 Hot Air Gun, Power	CV-1981 Hot Air Gun, Power	CV-1981 Hot Air Gun, Power	Can Wrench, Snips	Can Wrench, Snips	Can Wrench, Snips	Snips	Can Wrench Snips	1/2" Nut Driver, Screwdriver	1/2" Nut Driver, Screwdriver	1/2" Nut Driver, Screwdriver	1/2" Nut Driver	

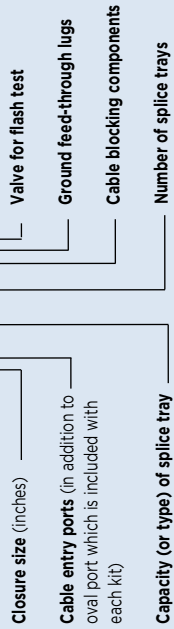
⁸Closure length (L) plus 10X largest cable diameter installed equals the overall length required for handhole.
⁹Maximum dimensions includes clamp and cable sealing. Diameter dimensions include clamp. Diameters without clamps are approximately 2 inches less.
¹⁰Trays configured with FIST style splice modules provide 96 single splice capacity - FOSC 400 D5 and 450 D6 closures can also accommodate FIST style modules (SMOUV splice protection sleeves must be used)
¹¹The ribbon tray can also be configured with 12 SC adapters for patching and provide 12 single splice capacity.
¹²Flexible sock is used for LBT storage.
¹³Closure length (L) plus 10X largest cable diameter installed equals the overall length required for handhole.
¹⁴Maximum dimensions includes clamp and cable sealing. Diameter dimensions include clamp. Diameters without clamps are approximately 2 inches less.
¹⁵Trays configured with FIST style splice modules provide 96 single splice capacity - FOSC 400 D5 and 450 D6 closures can also accommodate FIST style modules (SMOUV splice protection sleeves must be used)
¹⁶The ribbon tray can also be configured with 12 SC adapters for patching and provide 12 single splice capacity.
¹⁷Flexible sock is used for LBT storage.
¹⁸Multiple cables per port can be installed (using SCOP or branch-off clip) if cable diameters do not exceed port diameter.
¹⁹Fire Retardant bag or blanket options.
²⁰Ribbon/mass fusion can be done but slack is pulled back into the slack area under the trays.
²¹SMOUV splice protection sleeves must be used.
²²FOSC 600 C closure uses 'D' size splice trays

FOSC Fiber Optic Splice Closures

Ordering Information

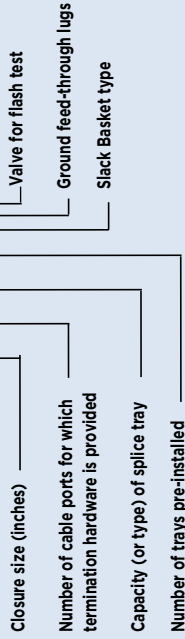
FOSC 400 Closure

FOSC 400 - XX - XX - X - XXX



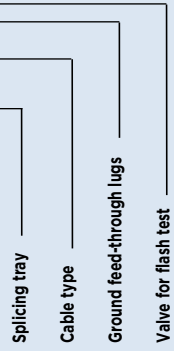
FOSC 450 Closure

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



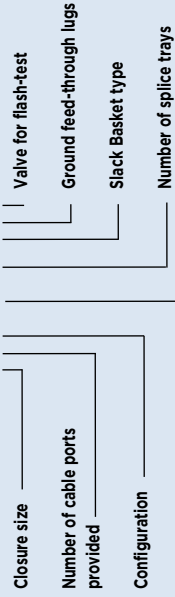
FOSC 500 Closure

FOSC-500AA-XXX-XX-X-X



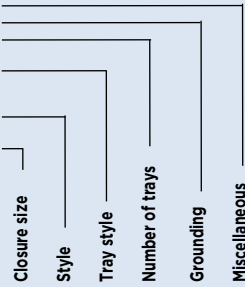
FOSC 600 Closure

FOSC 600 - X X X - XX - X - X X X



AIR FOSC Closure

AIR-FOSC - X - XXX - XX - X X X



Closure Splice Tray Guide

Tray Size	Tray Fiber Capacity Single	Mass	Nominal Tray Dimensions (L x W x H)*	Fits the following closure sizes:		
				FOSC 400	FOSC 450	FOSC 600
FOSC A	12, 24	72	9 1/8 x 3 7/8 x 7/16	A4, A8	A4, B5	N/A
FOSC B	12, 24	72	12 x 3 7/8 x 7/16	B2, B4	B6	N/A
FOSC C	12, 24	144	7 1/2 x 5 7/8 x 7/16	C5	C6	N/A
FOSC D	36, 72, 96	288	15 x 5 7/8 x 7/16	D5	D6	N/A
FOSC A/B Ribbon	N/A	144	9 1/8 x 3 7/8 x 1	A4, A8, B2, B4	A4, B5, B6	N/A
FOSC C Ribbon	N/A	216	7 1/2 x 5 7/8 x 1	C5	C6	N/A
FOSC D Ribbon	N/A	288	15 x 5 7/8 x 1	D5	D6	N/A

*inches, hinge not included

CLASS A FOSC Closures

FOSC 400	FOSC 450	FOSC 600
FOSC400-A4-NT-O-NGV		
FOSC400-A8-NT-O-NGV		
FOSC400-B2-NT-O-NGV		
FOSC400-B4-NT-O-NGV		
FOSC400-C5-NT-O-NGV		
FOSC400-D5-NT-O-NGV		
FOSC450-A4-4-NT-O-A1V		
FOSC450-B5-6-NT-O-B0V		
FOSC450-B6-6-NT-O-B3V		
FOSC450-C6-6-NT-O-C6V		
FOSC450-D6-6-NT-O-D6V		
FOSC600-C8B-NT-O-C4V		
FOSC600-C8I-NT-O-C4V		
FOSC600-D8B-NT-O-D4V		
FOSC600-D8I-NT-O-D4V		

*NT indicates that no tray is factory installed in this closure.

CLASS B FOSC Closures

(Contact TE's Customer Service for complete list)

Includes all CLASS A configurations with 12, 24, and Ribbon trays (FOSC400, 450 A, B and C closures) or 36, 72 and Ribbon Trays (FOSC400, 450 D closures, FOSC600 Closures). Some sizes available with tall slack storage baskets.

ex: FOSC400-D5-36-1-NGV 197697-000
 ex: FOSC450-C6-4-12-1-C6V Y53157-000
 ex: FOSC600-D8B-R2-1-D4V A37830-000

Includes non-grounded CLASS A configurations with 12, 24, and Ribbon trays (FOSC400, 450 A, B and C closures) or 36, 72 and Ribbon Trays (FOSC400, 450 D closures, FOSC600 Closures). Some sizes available with tall slack storage baskets.
 ex: FOSC400-B4-12-1-BNV 886337-000
 ex: FOSC450-B6-4-24-1-B0V 776482-000
 ex: FOSC600-C8B-36-1-C0V 7X2580-000
 Includes RUS closure configurations.

FOSC 450

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CATALOG

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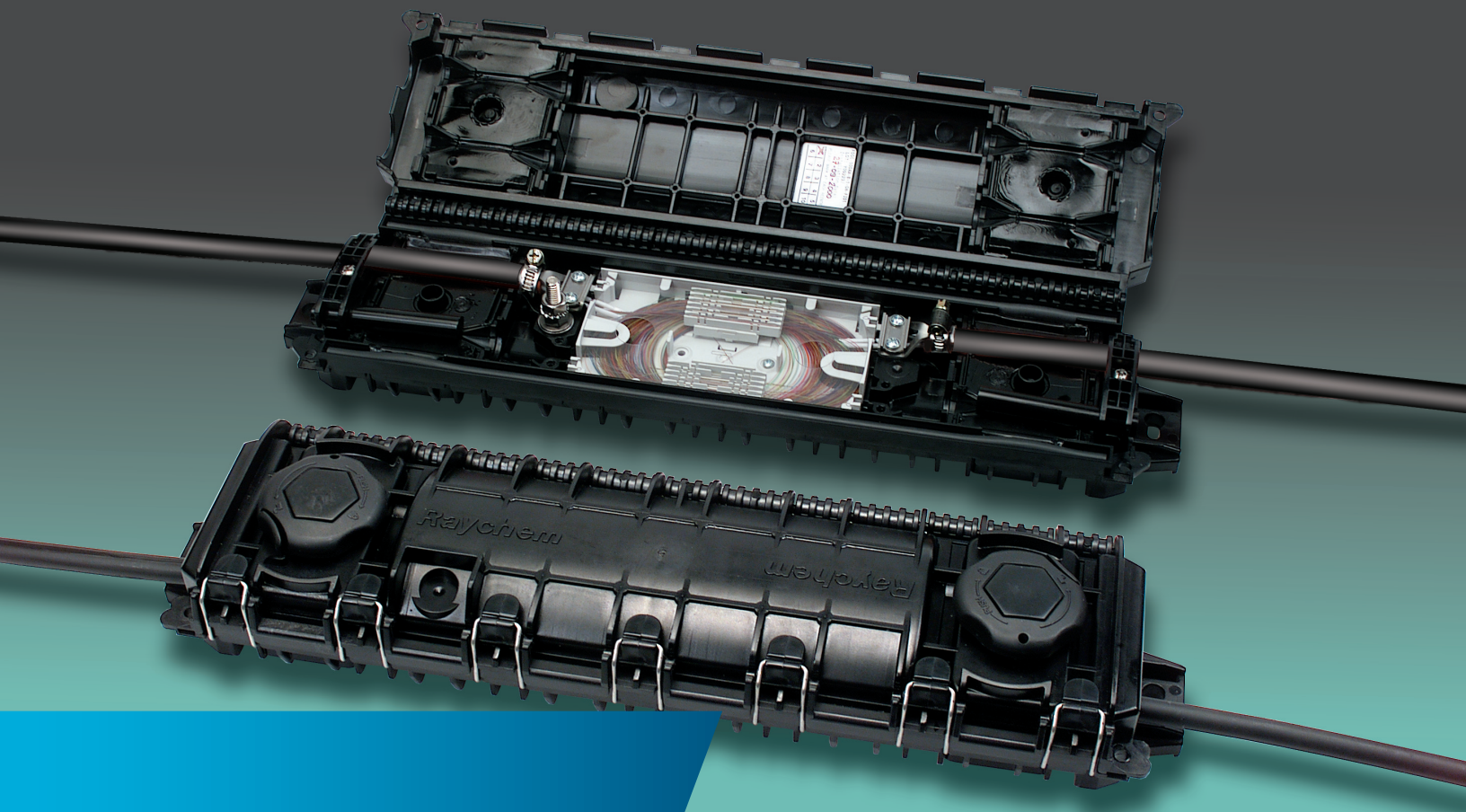


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FOSC 500 AA Slim In-Line Closure

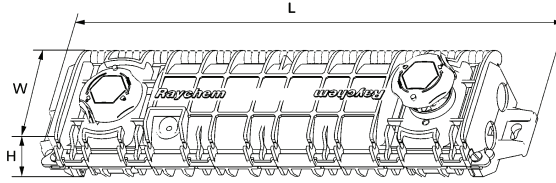
- Butt or inline splice closure
- Gel sealing technology
- Small size
- Superior fiber management

The FOSC 500 AA in-line closure is an environmentally sealed enclosure for use in the outside plant network. It can be used for aerial, underground, or direct buried applications.

The FOSC 500 AA closure has the following features:

- Slim, elegant, compact, in-line design
- Easy re-entry and re-closure mechanism with hinge and latches
- 2 cable ports are provided at each side of the closure
- Cold-applied cable sealing based on gel technology (2 knobs for gel compression)
- Integrated cable jacket gripping devices
- Compatible with most existing cable constructions (loose tube, central core, slotted core)

Selection Guide



Dimensions in mm (inches)

Dimensions in mm (inches)	FOSC 500 AA
Length (without mounting parts)	422 (16.6)
Length (with mounting parts) (L)	472 (18.6)
Height (H)	65 (2.6)
Width (W)	125 (4.9)

Splicing capacity (in # fibers)

Number of splicing trays	1
Number of splices	24 or 48, depending on version

Cable ports

Number of cable ports	4 (2 per each end)
Cable diameter in mm (inches)	5 - 15 (0.2 - 0.6)

Sizes and Specifications

FOSC-500AA- XXX - XX - X X

Splicing tray

- S24 - Splicing tray to hold 24
SMOUV splice protectors (45mm)
- L24 - Splicing tray to hold 24
SMOUV splice protectors (60mm)
- L48 - Splicing tray to hold 48
SMOUV splice protectors (60mm)
(For Loose Tube type cables only)

Valve for flash test

- V - With valve
- N - No valve

Ground feed-through

- G - With grounding feed-through
- N - No ground feed-through

Cable type

- LT - Loose tube cable
- CC - Central core cable

Consumables and accessories

FOSC-500AA-CA-LT
FOSC-500AA-CA-CC

Cable attachment kit for one LBT cable
Cable attachment kit for one CCT cable



FOSC 500 B

Fiber Optic In-Line Closure

- Butt or inline splice closure
- Gel sealing technology
- Superior fiber management

The FOSC 500 B in-line closure is the environmentally sealed enclosure for fiber management in the outside plant network.

This product is a cold applied, re-usable closure system housing FOSC closure mass splicing trays and cable attachment units.

The FOSC 500 B in-line closure has the following functions and features:

- In-line design
- Suitable for repair, tap-off (tauth sheath) and in-line splice applications
- The wraparound thermoplastic housing consists of 2 half shells which are sealed with an O-ring system
- 2 cable ports at one side and 4 at the other side are provided in the housing
- Cable sealing is based on gel-tape technology
- Cut-to-fit axial pull tapes provide mechanical cable retention
- A metal basket houses cable attachment units and the FOSC closure splicing trays
- Easy re-entry and re-closure

Dimensions and capacities

Dimensions (in mm)

Length (without fixation parts)	636
Length (with fixation parts)	648
Internal diameter	100
External width	160

Splicing capacity (in # fibers)

Number of FOSC trays	6
Splice tray holding 24 splices	144
Splice tray holding 16 splices	96

Cable ports

Number of cable ports	2 + 4
Cable ø range	7 - 40 mm

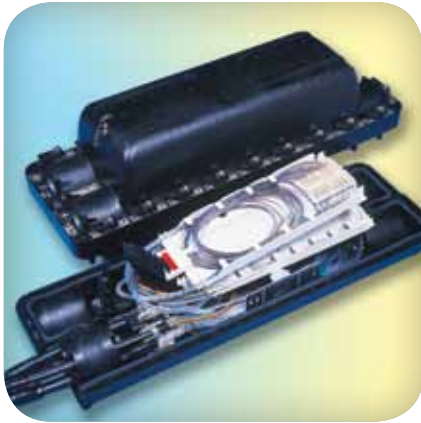
FOSC - 500B - XXX - X - X X X	
Type of tray	Valve for flash test
S16 - Tray for 16 stacked fusion splices	V - With valve
S24 - Tray for 24 stacked fusion splices	N - No valve
A16 - Tray for 16 ANT spliceholders	Ground feed-through
A24 - Tray for 24 ANT spliceholders	G - With grounding feed-through
NNT - No trays	N - No grounding feed-through
Number of organizer trays in kit	Closure application
Select value between 0 and 6	I - Standard (in-line)
Maximum 4 in case of tap-off and storage applications	T - Tap-off (taut sheath)
	S - Storage of uncut loose tubes

Consumables and accessories:

FOSC-500B-TRAY-S16-1	Splice tray for holding 16 splices
FOSC-500B-TRAY-S24-1	Splice tray for holding 24 splices
FOSC-500B-CSEAL-01	Re-entry kit for adding or replacing one cable

FOSC 600

Fiber Optic Splice Closure



The FOSC 600 C and D closures are more than just fiber optic splice closures. They are rugged and versatile platforms that can be deployed anywhere in the outside plant for a multitude of functions including the splicing of most any type and size of cable, the housing of connectorized distribution and demarcation points, and the deployment of optical passives.

The sealing system for FOSC 600 closures builds on the proven reliability of FOSC 400 and FOSC 450 closures and features the versatile and popular gel-sealing technology for terminating cables, and a unique latching system for quickly opening and closing the body.

FEATURES

- Butt or inline splice closure
- Gel-seal technology
- Hinging trays
- Large fiber capacity
- Superior fiber management
- Excellent consolidation or rehabilitation closure

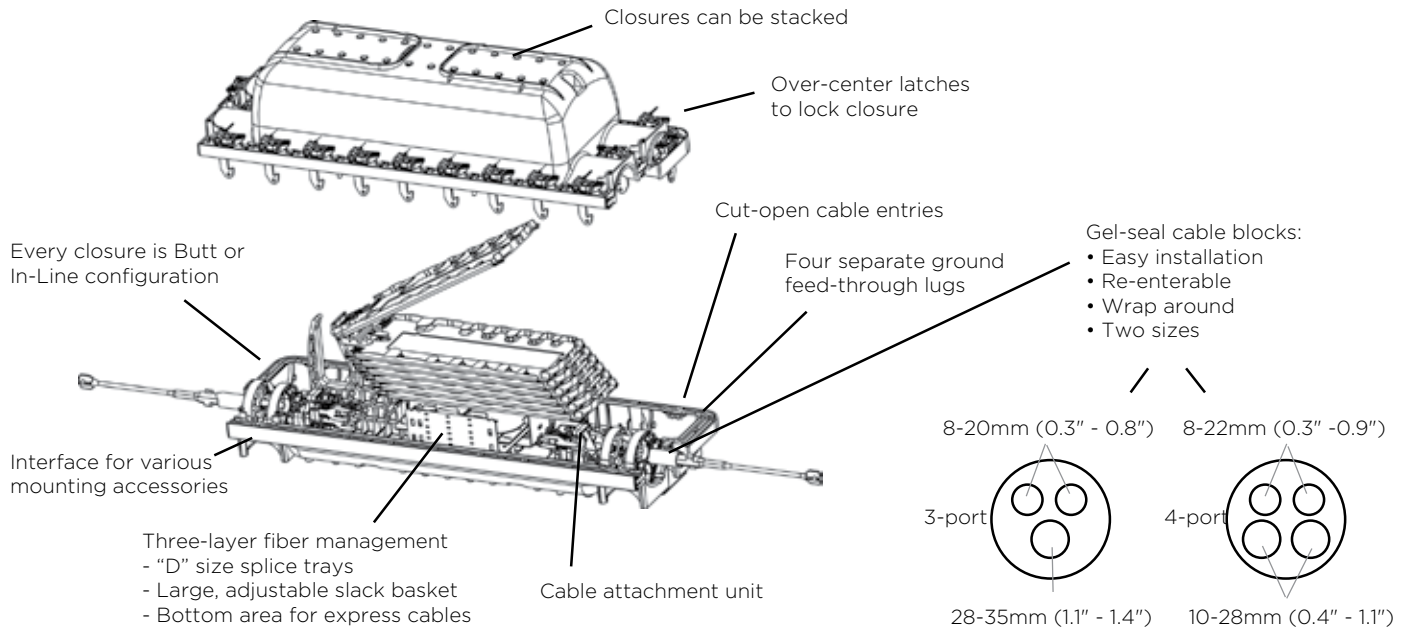
Other features include:

- Up to 16 separate cable ports
- Sized for cables up to 35mm in diameter and 1728 fibers
- Field configurable for butt or in-line splicing
- All internal parts can be removed for reconfiguration
- Both C and D closures use TE's "D" size splice trays
- Storage basket included with all closures can be extended in length or repositioned vertically depending on application
- Slack ribbon storage on the same tray as mass fusion splices is possible with use of a ribbon tray
- Backed by TE's extensive network of technical field support specialists.

FOSC 600

Fiber Optic Splice Closure

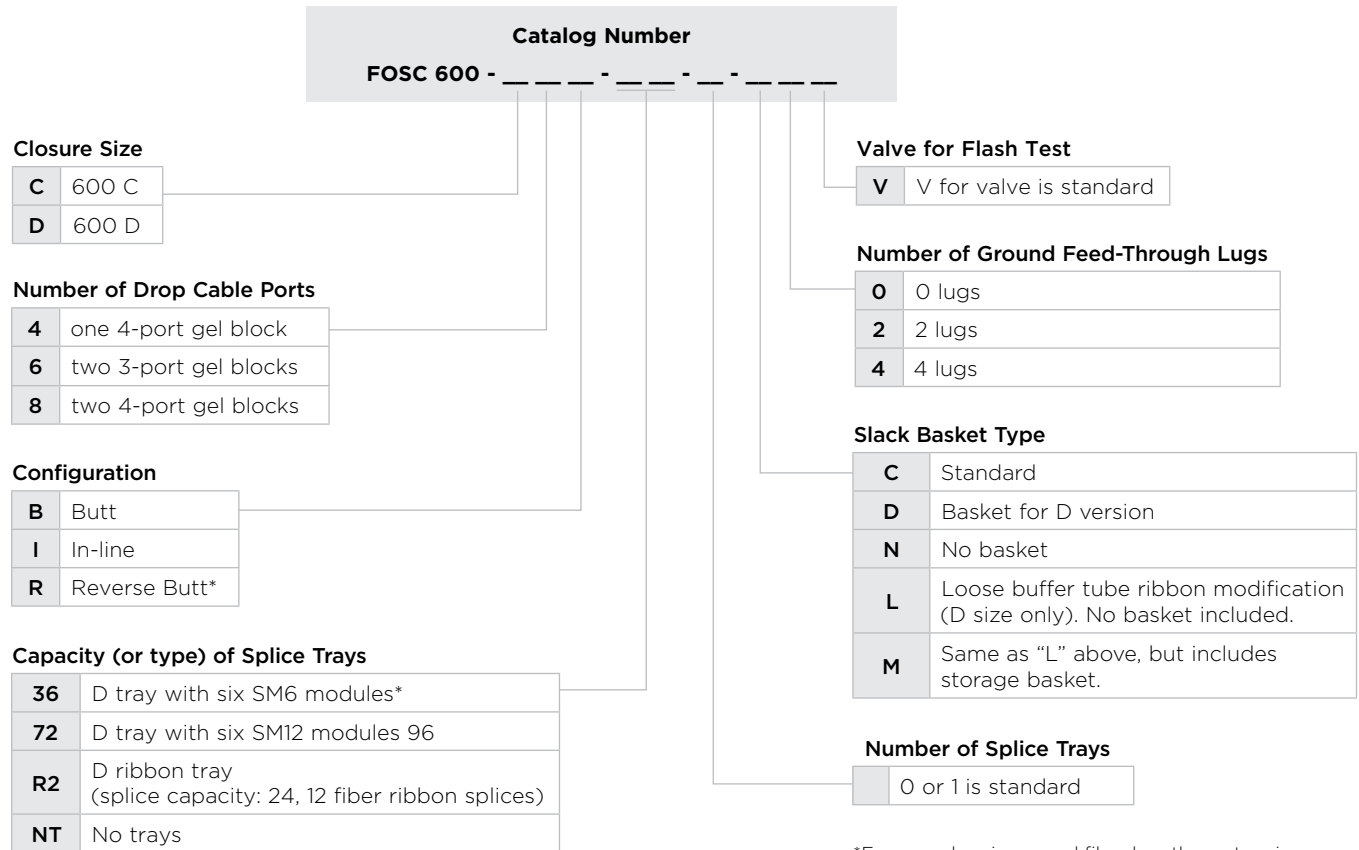
Selection Guide



FOSC 600

Fiber Optic Splice Closure

ORDERING INFORMATION



*For use when increased fiber lengths on tray is required and loose buffer tube cable reverse point is offset in main cable opening.

Closure Dimensions in inches (cm)			
	Length	Height	Width
600 C	32.6 (82.8)	6.0 (15.2)	10.8 (27.4)
600 D	32.6 (82.8)	10.0 (25.4)	10.8 (27.4)

Tray (and splice) Capacity of Closures	Capacity of Closures	
	D Splice Trays	D-Ribbon Tray ¹
600 C In-line	3 (216)	2 (576)
600 C Butt	5 (360)	3 (864)
600 D In-line	7 (504)	4 (1152)
600 D Butt	9 (648)	6 (1728) ²

¹Ribbon splice capacity is 2592 fibers based on using 6,D-36 style trays with slack storage in storage basket.
²L Basket type closures capacity is 5 D-Ribbon trays (1440 fibers).

Accessories

FOSC-ACC-D-Tray-36	D size tray with six SM6 modules
FOSC-ACC-D-Tray-72	D size tray with six SM12 modules
FOSC-ACC-D-Tray-Ribn24	D size ribbon tray (24 mass fusion splices)
FOSC600-GelSeal-3	3-port cable seal
FOSC600-GelSeal-4	4-port cable seal

DATA SHEET

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