

FIBER OPTIC SPLICE CLOSURE TRAYS: C AND D SIZE

For FOSC 200, FOSC 400, FOSC 450, FOSC 600 C, D (-XL), FOSC 650 and FOSC-MS-C8/E8 Splice Closures

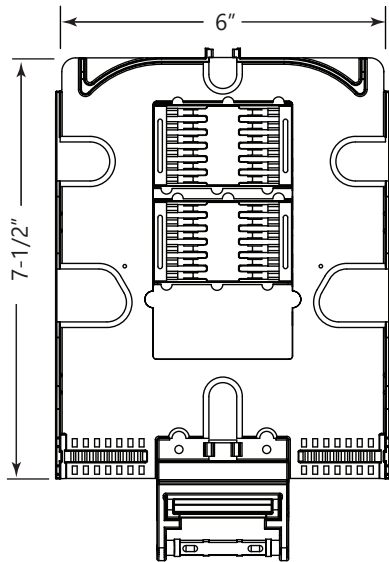


Figure 1:
C tray
with SM6
modules

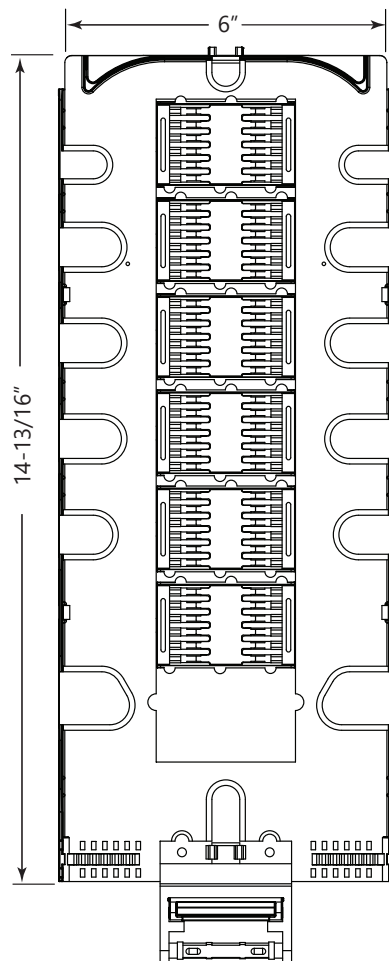


Figure 2:
D tray
with SM6
modules

1 General product information

Important: Read and follow all safety precautions and warnings documented in the appropriate closure installation instructions.

The C and D size trays are standard splice trays designed for use in CommScope FOSC fiber optic splice closures and related products.

1.1 C Tray Details

C trays are designed for use in FOSC 400 C closures, FOSC 450 C closures, and related products. Trays are typically equipped with splice modules to accommodate a variety of splice types, and have a maximum capacity (see Section 3) of 72 single fiber splices and 288 mass fusion fibers (12 fiber ribbon x 24 splices).

Note: Ribbon Applications: C-type ribbon trays (are also available to accommodate ribbon splicing and storage on the same tray.

1.2 D Tray Details

D trays are designed for use in FOSC 200, FOSC 400 D, FOSC 450 D, FOSC 600 C, FOSC 600 D(-XL), FOSC 650 and FOSC-MS-C8/E8 closures and related products. Trays are typically equipped with splice modules to accommodate a variety of splice types, and have a maximum capacity (see Section 3) of 144 single fiber splices and 864 mass fusion fibers (12 fiber ribbon x 72 splices). The actual splice capacity may vary depending upon the slack capacity required

Note: Ribbon Applications: D-type ribbon trays are also available to accommodate ribbon splicing and ribbon storage on the same tray.

2 Kit Components

Each FOSC C or D tray kit consists of:

- Splice tray with cover
- Appropriate type/quantity of splice modules

3 Tray ordering information

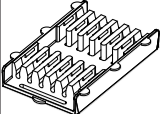
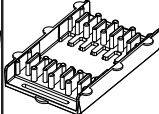
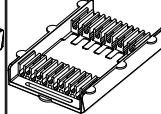
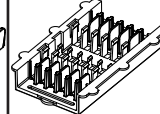
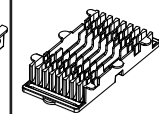
3.1 Tray Kit Information

Tray Kit	Quantity of Modules in Tray Kit	Type of Splice Module Include in Tray Kit	Splice Types Accommodated	Max. Qty. of Splices Accommodated per Tray
C Standard Type				
FOSC-ACC-C-TRAY-12	2	SM6 Splice Modules	Single Fusion Single Mechanical Mass Fusion	12 12 12
FOSC-ACC-C-TRAY-24	2	SM12 Splice Modules	Single Fusion	24 ¹
FOSC-ACC-C-TRAY-36	6	K12/60 (FIST) Splice Modules	Single Fusion	96 ⁴
FOSC-ACC-C-TRAY-SS72-S45	3	SM24 Splice Modules	Single Fusion	72 ³
FOSC-ACC-C-TRAY-RIBN-18	3	SM6 Splice Modules	Mass Fusion	18
FOSC-ACC-C-TRAY-SR24	2	SM12R Splice Modules	Mass Fusion	24
FOSC-ACC-C-TRAY-DR36	3	SM12R Splice Modules	Mass Fusion	36
D Standard Type				
FOSC-ACC-D-TRAY-36	6	SM6 Splice Modules	Single Fusion Single Mechanical Mass Fusion	36 36 36 ²
FOSC-ACC-D-TRAY-48	6	SM8 Splice Modules	Single Fusion Single Mechanical	48 24
FOSC-ACC-D-TRAY-72	6	SM12 Splice Modules	Single Fusion or NT-QPAK	72 ¹
FOSC-ACC-D-TRAY-96-S45	8	K12/45 (FIST) Splice Modules	Single Fusion (45mm)	96 ³
FOSC-ACC-D-TRAY-96-S60	8	K12/60 (FIST) Splice Modules	Single Fusion (60mm)	96 ⁴
FOSC-ACC-D-TRAY-SS144-S45	6	SM24 Splice Modules	Single Fusion	144 ³
FOSC-ACC-D-TRAY-RIBN-24	4	SM6 Splice Modules	Mass Fusion	24
FOSC-ACC-D-TRAY-SR72	6	SM12R Splice Modules	Mass Fusion	72
FOSC-ACC-D-TRAY-DR96	8	SM12R Splice Modules	Mass Fusion	96

¹ CommScope SMOUV splice sleeves are highly recommended in these applications.
² May vary based on slack capacity required.
³ Comes equipped with 45mm long CommScope SMOUV splice sleeves required in these applications.
⁴ Comes equipped with 60mm long CommScope SMOUV splice sleeves required in these applications

3.2 Splice Module Information

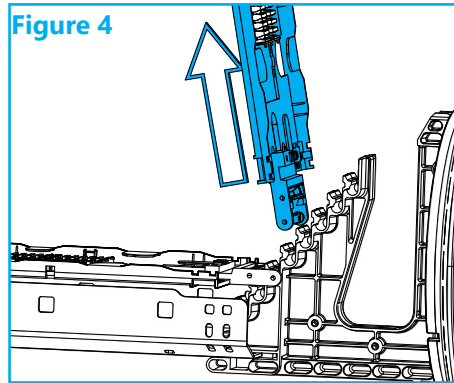
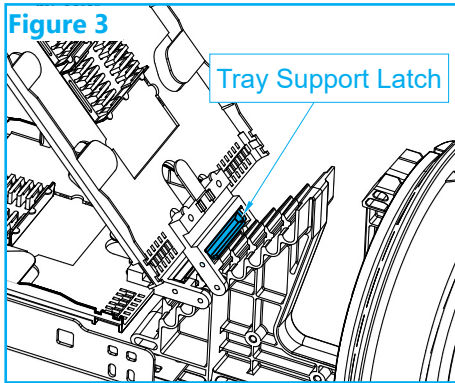
Depending on the selected kit, it may include the following splice modules:

Module Type	SM6 *	SM8 *	SM12	SM12R	SM24-S45
					
Max. Qty of Splices Single fusion	6	8	12	-	24
Max. Qty of Splices Mass fusion (Ribbon splices)	6	-	-	12	-

* Compatible with mechanical fusion.

4 Install Tray in Fiber Optic Splice Closure

Important: FOSC 600 C closures use D size splice trays!



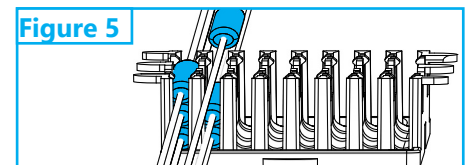
- 4.1 Hold the tray vertically over the tray holder bracket, and insert the tray hinge into the next unoccupied slot on the tray holder bracket. Lift the red tray support latch up to lower the tray. (Figure 3)
- 4.2 To remove splice trays from the closure base, raise the tray. Pull the tray hinge out of the tray holder bracket, releasing the tray. (Figure 4)

5 Splice Fibers and Store on Trays

Fiber splicing should be done in compliance with company approved practices. This section outlines some basic splice organizing techniques to be followed.

- 5.1 Always begin splicing with the bottom tray. Lift the remaining trays and secure them with the tray support on the underside of the second tray.
- 5.2 Remove all stored, unspliced fibers from the tray and clean those that will be spliced. Refer to the splice manufacturer's instructions for directions on fiber splicing.
- 5.3 Store the first completed splice in the top splice slot (the slot farthest from the hinge). Coil the slack loops around the tray in an orderly fashion. The splice modules can be moved or removed to accommodate your splice arrangement; however, the lowest splice module (the one closest to the hinge) cannot be closer to the hinge than its position in Figure 5 indicates for the FOSC 400 D5 closure.

Note: When using SM24 splice modules, if fewer than 24 splices are required, the first position must be filled before moving on to the next. (See Figure 5)



See Section 3 for tray splice capacity information.

Note: Protect and strain-relieve fusion splices with fusion splice support sleeves or similar company-approved devices. It is not necessary to use silicone or similar compounds to secure the fibers in the splice holders.

- 5.4 Subsequent splices should be stored in the tray from the top slot down. Slack loops can be secured under the tabs around the outside edges of the tray and in the spaces between splice modules. (Figures 6 and 7).

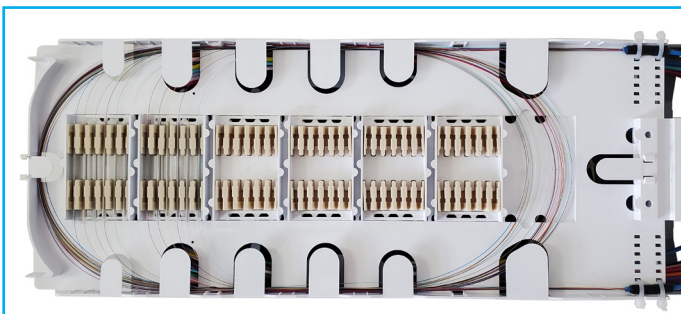


Figure 6: Single Fiber Storage

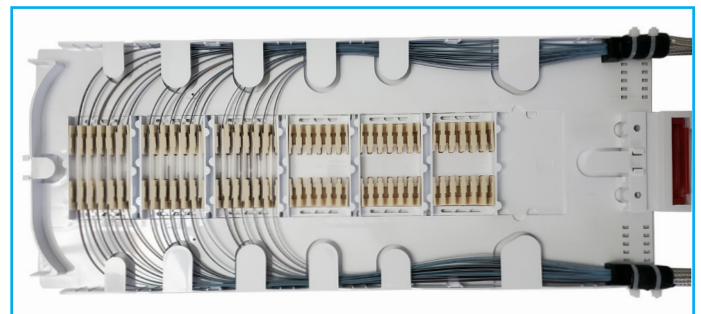


Figure 7: Ribbon Fiber Storage

- 5.5 When all the splices in the tray are stored, replace the clear plastic tray cover.
- 5.6 Secure all trays to the bottom tray bracket with the fastener strap.

6 Additional Ordering Information

Splice modules and SMOUV splice protection sleeves are also available separately. See below for ordering information.

6.1 Splice Modules

Splice Module Kit	Quantity per package	Splice Types Accommodated	Splices per Module
FOSC-ACC-SM6-MODULES	48	Single Fusion Single Mechanical Single Mass	8
FOSC-ACC-SM8-MODULES	48	Single Fusion Single Mechanical	8
FOSC-ACC-SM12-MODULES	48	Single Fusion NT-QPAK	12*

* Use of SMOUV splice protection sleeves is highly recommended in this application.

6.2 SMOUV Splice Protection Sleeves

SMOUV 1120 splice protector sleeves provide mechanical and environmental protection for fusion splices of single and ribbonized fiber.

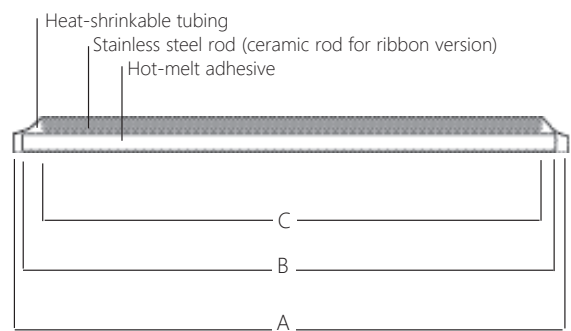
SMOUV Splice Sleeve Sizes and Specifications

Product Name	Fiber Type	Lengths (in millimeters)		
		Tubing A	Adhesive B	Rod C
SMOUV 1120-01-US	Single	62	59	56
SMOUV 1120-02-US	Single	45	42	40
SMOUV 1120-03-US	Single	23	21	18
SMOUV 1120-R2/12-02-US	Ribbon	42	42	40

*Ceramic rod

The SMOUV 1120 sleeve consists of:

- Clear outer heat-shrink material.
- Low temperature hot-melt adhesive to encapsulate the splice.
- Stainless steel rod for single fiber splices and a ceramic rod for ribbonized fiber splices to ensure proper alignment and rigidity.



SMOUV 1120 sleeves for single fibers are ideal for protecting single fusion splices of primary and secondary tight or semi-tight coated fibers.

SMOUV 1120 sleeves for multiple fibers are ideal for protecting mass fusion splices of ribbons with two to twelve fibers. All SMOUV 1120 sleeves are compatible with the full range of CommScope fiber management systems and organizers.

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