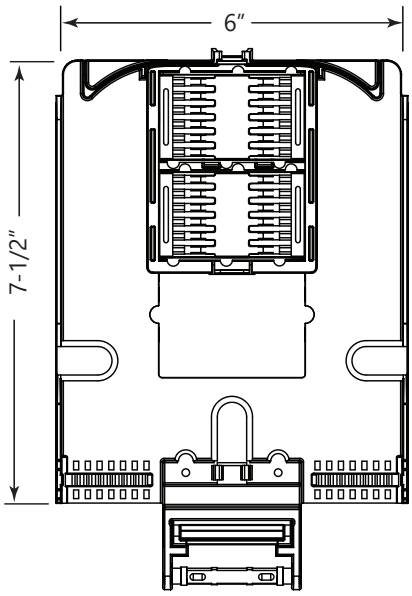
FIBER OPTIC SPLICE CLOSURE TRAYS: C RIBBON SIZE



C Ribbon Tray

1 General product information

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

The FOSC C closure ribbon splice tray is designed for use in CommScope' FOSC 400 C, FOSC 450 C and FOSC-MSC-C8 splice closures and related products.

The trays are typically equipped with 3 splice modules attached to a stack module to accommodate 216 mass fusion fibers (12 fiber ribbon x 18 splices). They are also available with 4 SM12R splice modules increasing the capacity to 576 mass fusion fibers (12 fiber ribbon × 48 splices).

To accommodate ribbon slack storage, C Ribbon Trays are twice the height of the standard CommScope FOSC closure trays, thereby occupying two standard tray positions in a closure.

2 Kit Contents

The kit contents may vary depending on version purchased. Each FOSC C closure ribbon splice tray kit consists of:

- Splice tray with cover
- Three SM6 six-position splice modules and module holder
- Spiral tubing
- Ribbon holders
- Loose buffer tube wrap
- Tie wraps

3 Tray ordering information

3.1 Tray Kit Information

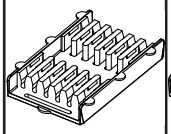
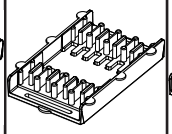
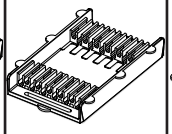
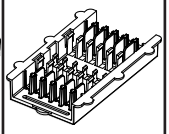
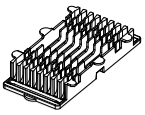
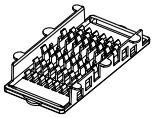
Tray Kit	Quantity of Modules in Tray Kit	Type of Splice Module Include in Tray Kit	Splice Types Accommodated	Max. Qty. of Splices Accommodated per Tray
C Standard Type				
FOSC-ACC-C-TRAY-12	2	SM6 Splice Modules	Single Fusion Single Mechanical Mass Fusion	12 12 12
FOSC-ACC-C-TRAY-24	2	SM12 Splice Modules	Single Fusion	24 [1]
FOSC-ACC-C-TRAY-36	6	K12/60 (FIST) Splice Modules	Single Fusion	96 [2]
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
FOSC-ACC-C-TRAY-DR48	4	SM12R Splice Modules	Mass Fusion	48
FOSC-ACC-C-TRAY-SS72-S60	3	SM24-S45/S60 Splice modules	Single Fusion	72 [1, 2]

[1] CommScope SMOUV splice sleeves are highly recommended in these applications.
[2] Comes equipped with 60mm long CommScope SMOUV splice sleeves required in these applications.
[3] Comes equipped with 45mm long CommScope SMOUV splice sleeves required in these applications.

© 2025 CommScope, Inc. All Rights Reserved

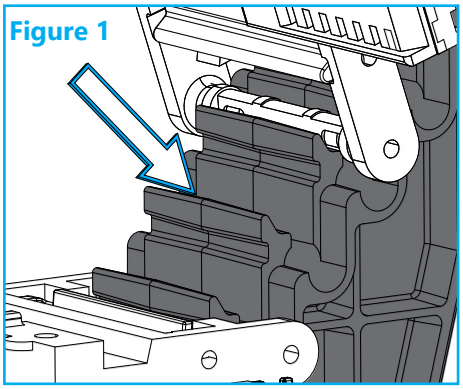
3.2 Splice Module Information

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

Module Type	SM6 *	SM8 *	SM12	SM12R	SM24-S45	SM24-S45/S60
						
Max. Qty of Splices Single fusion	6	8	12	-	24	24
Max. Qty of Splices Mass fusion (Ribbon splices)	6	-	-	12	-	-

* Compatible with mechanical fusion.

4 Installation of Tray



4.1 As the ribbon tray is double-height, the first available slot in the tray support bracket must be skipped (arrow, Figure 1). Holding the tray in a vertical position, insert the tray hinge pin into the second available slot with a rocking motion. (Figure 1)

4.2 Push the red tray support latch to the up position to lower the splice tray.

5 Preparation and Routing of Ribbons

5.1 Prepare main cable, strength member(s) and ribbon bundles following the procedures in the appropriate closure installation instructions for your application.

5.2 Install spiral tubing on ribbon bundles:
For FOSC 400 or 450 closures, the spiral tubing can be secured onto the end of the central core or loose buffer tube and then routed directly to the ribbon tray.

5.3 Install ribbon holders:

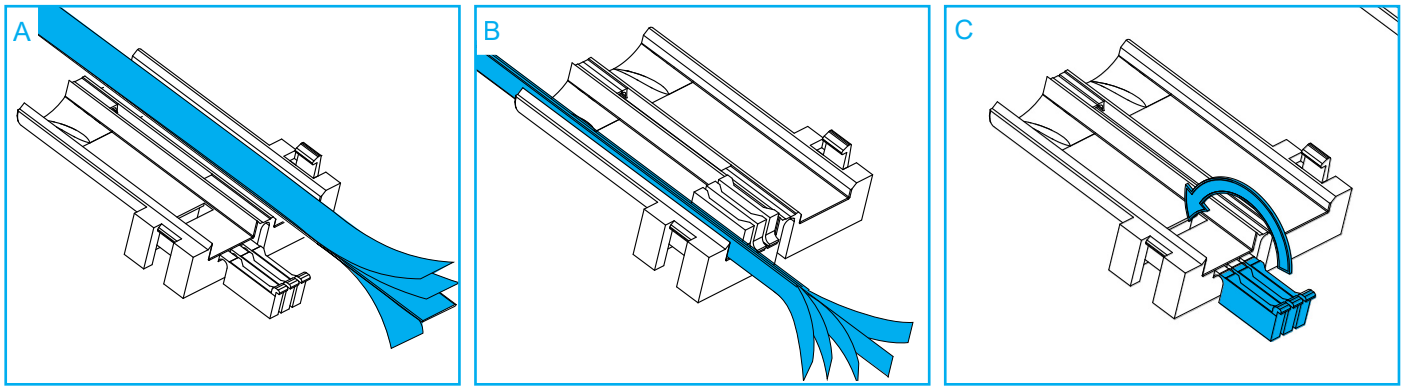


Figure 2. Ribbon holder

For 24-fiber ribbons, lay the ribbon bundle in the ribbon holder as shown in Figure 2A.
For 12-fiber ribbons, fold the appropriate number of spacers as shown in Figure 2C.
Use the chart at right to determine number of spacers to fold down:

Number of Ribbons	Number of Spacers
24	0
12	2
6 or less	3

© 2025 CommScope, Inc. All Rights Reserved

5.4 Stand the 12-fiber ribbons in the ribbon holder as shown in Figure 2B.

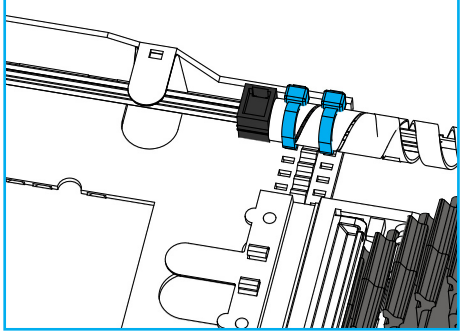
5.5 Once ribbons are in the ribbon holder, fold the other half over and snap closed.

5.6 Slide the ribbon holder into the spiral tubing.

5.7 Secure prepared ribbon bundles to the splice tray with tie wraps (Figure 3). Both 24- and 12-fiber ribbons should be oriented vertically when secured to the splice tray. Rotate the ribbon holder accordingly.

Note: Ribbons must measure 24" from top edge of ribbon holder for proper management and storage.

Figure 3



6 Ribbon Splicing and Management

1. For best management and storage of spliced ribbons, inner ribbons from right side of tray should be spliced to inner ribbons from left side of tray, outer ribbons to outer ribbons, etc.

2. Place one additional ribbon holder on each ribbon bundle to be spliced. Slide toward splicing machine. This will keep the ribbons organized in the needed order for splicing.

Depending on the stacking method used (stacking module or stacking adapter), proceed to Section 6.1 for the stacking module or Section 6.2 for the stacking adapters.

6.1 Stacking module

6.1.1 Splice ribbons and store in the splice modules while out of the tray. Remove the temporary ribbon holders when all ribbons have been spliced.

Note: *Ensure all ribbons are laid straight in the splice module.*
In the SM12R splice module, a single row can accommodate two layers of Ribbon SMOUVs.

Figure 4

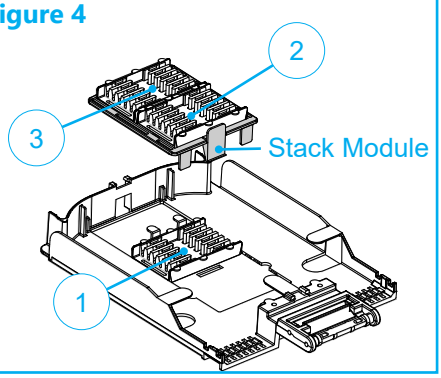


Figure 5

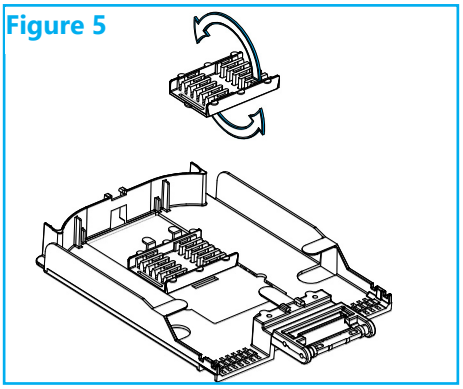
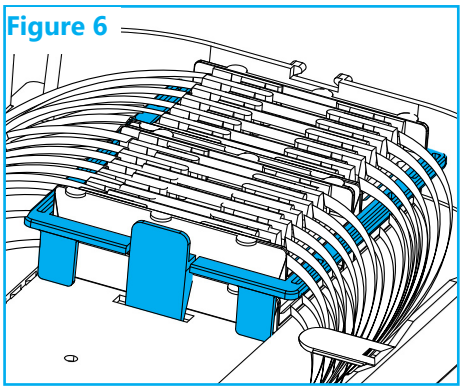


Figure 6



6.1.2 Modules should be filled in the order specified in Figure 4.

6.1.3 Rotate filled module 1 one complete turn (Figure 5, see arrows) and snap into ribbon tray. This will create a twist on each ribbon and allow them to lie more neatly in the tray.

6.1.4 For modules 2 and 3, store splices, insert modules into stack module, and rotate entire stack module assembly as described in step 5. Then place the stack module on top of the original splice module as shown in Figure 6.

© 2025 CommScope, Inc. All Rights Reserved

6.2 Stacking adapter

Figure 7

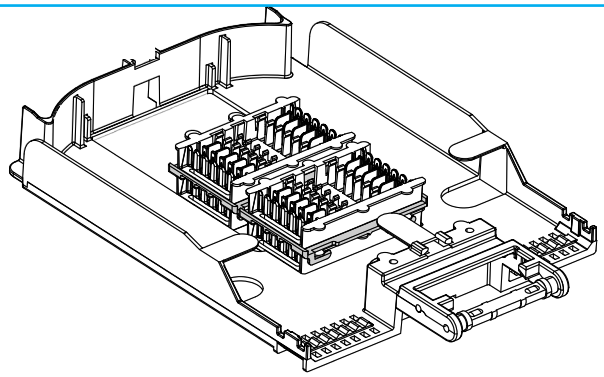


Figure 7 shows a C-Ribbon Tray with 4 SM12R modules and 2 stacking adapters.

Figure 8

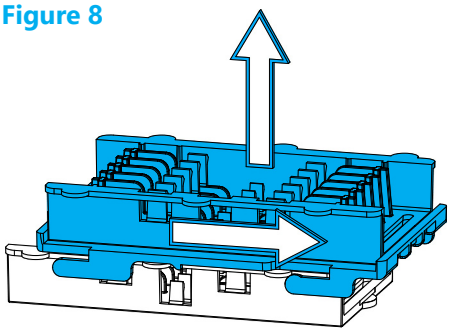


Figure 9

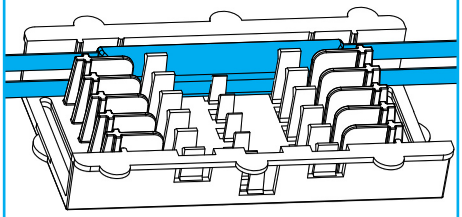
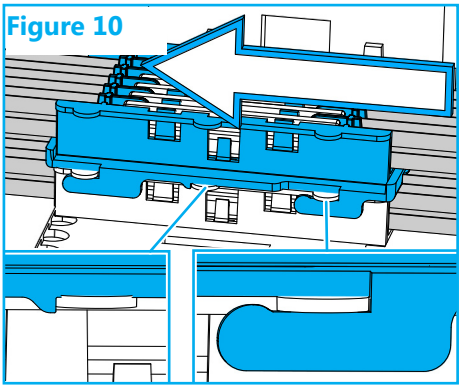


Figure 10



6.2.1 Remove the top splice module to separate the stacked modules, leaving the adapter attached to the top module, as shown in Figure 8,

6.2.2 Splice ribbons and store in the splice modules while out of the tray. Remove the temporary ribbon holders when all ribbons have been spliced.

Note: In the SM12R splice module, a single row can accommodate two layers of Ribbon SMOUVs. (See Figure 9.)

Caution: *Ensure all ribbons are laid straight in the splice module.*

6.2.3 For best results, rotate filled splice modules one complete turn (Figure 5, see arrows) and snap into ribbon tray. This will create a twist on each ribbon and allow them to lie more neatly in the tray.

6.2.4 Rotate the splice module with stack adapter as described in step 6.2.3. Then place the assembly on top of the original splice modules as shown in Figure 10.

Note: If necessary, the top module can be removed again after installation, as shown in Figure 8.

7 Additional Ordering Information

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

7.1 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.

© 2025 CommScope, Inc. All Rights Reserved

7.2 SMOUV Splice Protection Sleeves

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

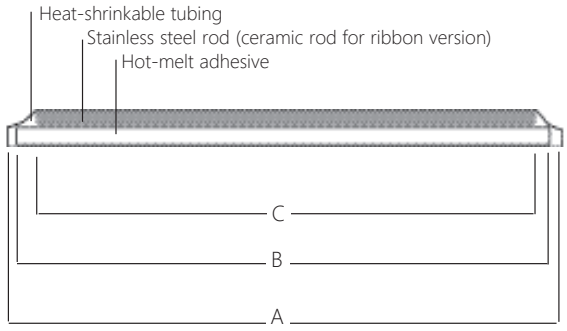
SMOUV Splice Sleeve Sizes and Specifications

		Lengths (in millimeters)		
Product Name	**Fiber Type**	**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.

8 Disclaimer

All trademarks identified by ® are registered trademarks in the US and may be registered in other countries. All third party product names, trademarks and registered trademarks are property of their respective owners.

This product may be covered by one or more U.S. patents or their foreign equivalents. For patents, see www.cs-pat.com.

This document is not intended to modify or supplement any specifications or warranties relating to CommScope products or services.

9 Contact information

Visit our website or contact your local CommScope® representative for more information. www.commscope.com.

For technical assistance, customer service, or to report any missing/damaged parts, visit us at: http://www.commscope.com/SupportCenter.

© 2025 CommScope, Inc. All Rights Reserved