PANDUIT

Opticom Fiber Optic Splice Module

Part Numbers: FOSMF, FOSMM

INSTALLATION INSTRUCTIONS **FS001B**

FOSMF in open position

FOSMM in open position

FOSMF OR FOSMM in closed position

Contents:

(1) SPLICE TRAY BASE
(1) SPLICE TRAY COVER
(4) SPLICE HOLDERS - FUSION (FOSMF)
(2) SPLICE HOLDERS - MECHANICAL (FOSMM)
(1) GRID LABEL 24 PORT

CAUTION:

Fiber optic cable is sensitive to excessive pulling, bending and crushing forces. Consult the manufacturer's cable specification sheet for the specific cable in use.

Follow TIA/EIA-568-A, 569, 606, and 607 installation guidelines where applicable.

WARNING: UNMATED CONNECTORS MAY EMIT INVISIBLE LASER RADIATION. DO NOT LOOK DIRECTLY INTO THE END OF THE CONNECTOR. DO NOT INSPECT WITH MAGNIFYING DEVICES. MAINTAIN CAP ON UNMATED CONNECTORS.

Care should be taken when opening and closing fully loaded drawer in order to protect fiber components.
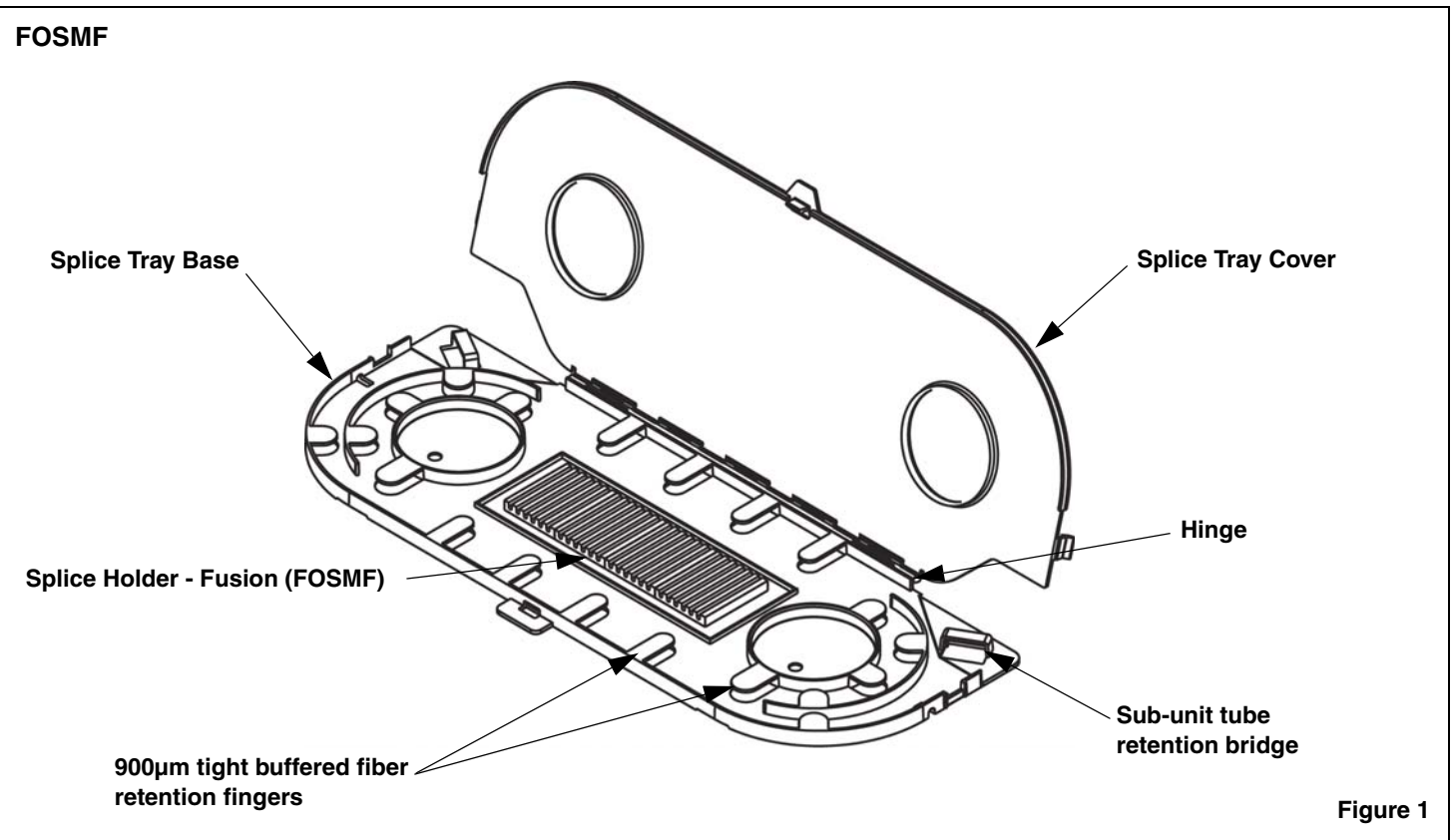
FOSMF

Splice Tray Base

Splice Tray Cover

Splice Holder - Fusion (FOSMF)

Hinge

Sub-unit tube retention bridge

900µm tight buffered fiber retention fingers

Figure 1

For Technical Support: www.panduit.com/resources/install_maintain.asp

FOSMM

Splice Tray Base

Splice Tray Cover

Splice Holder - Mechanical
(FOSMM)

Hinge

Sub-unit tube
retention bridge

900μm tight buffered fiber
retention fingers

Figure 2

Note: Opposite corner from trunk cable entry should be broken along score line.
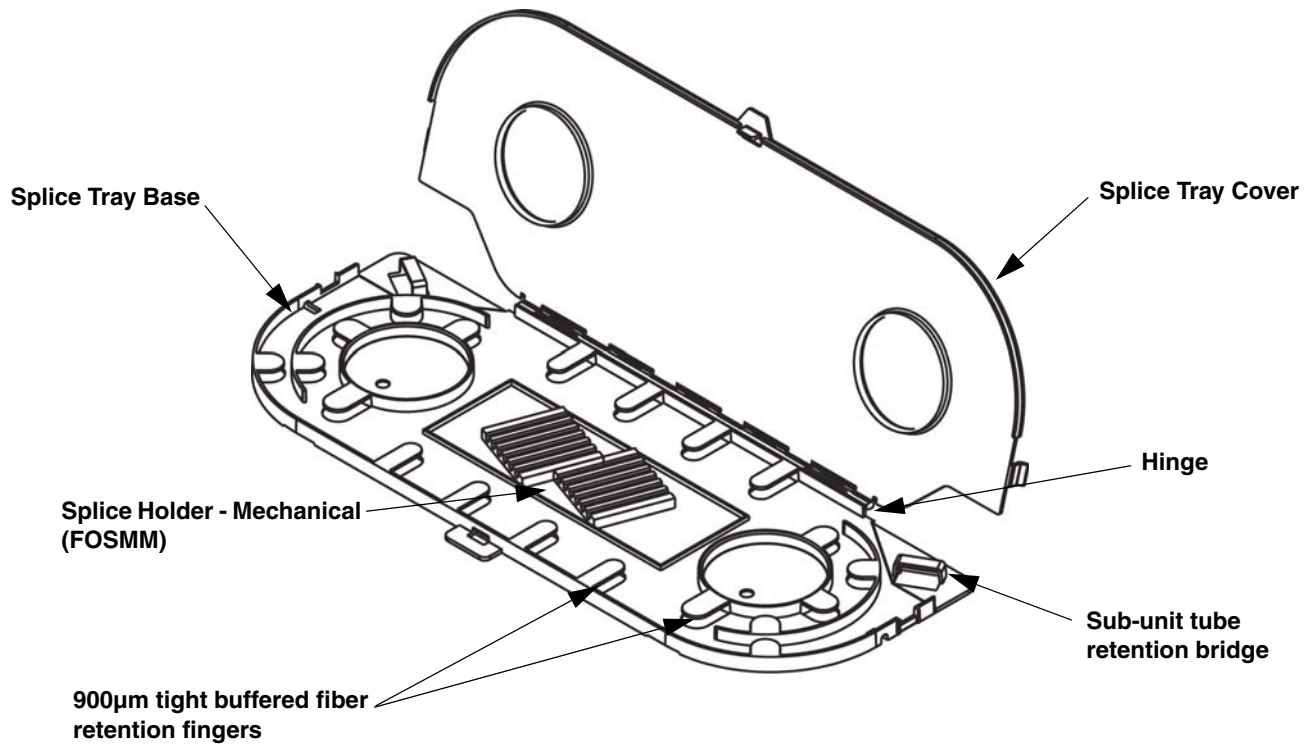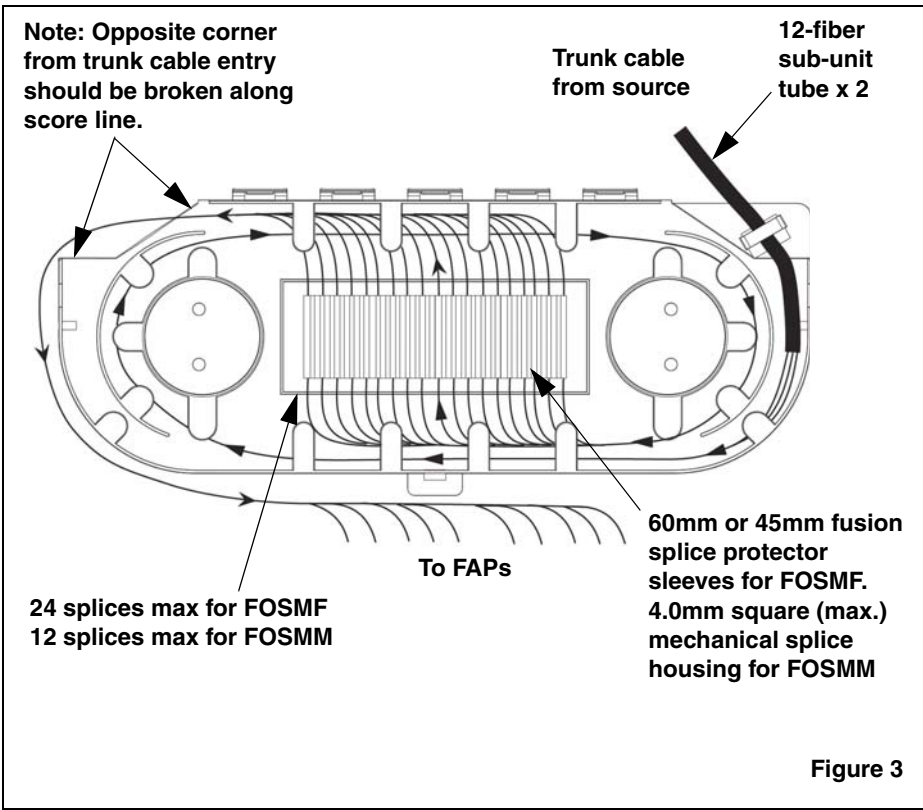
Trunk cable from source

12-fiber sub-unit tube x 2
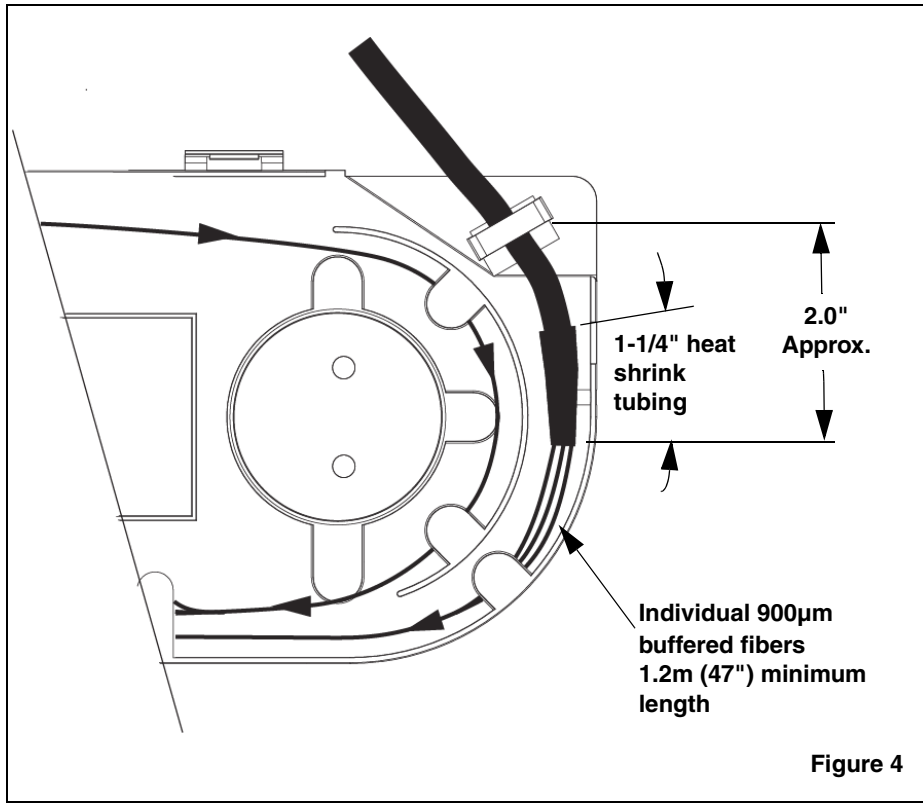
Typical cable routing for FOSMF or FOSMM

Route sub-unit tube(s) through retention bridge as shown. Route 900µm buffered fiber from the trunk cable and splice to pigtail. Use enough cable length, approximately 1.2m (47") to ensure one complete loop of individual fibers around FOSM slack spools.

Pigtails leading to FAPs should be a minimum of 1m (39.4").

60mm or 45mm fusion splice protector sleeves for FOSMF. 4.0mm square (max.) mechanical splice housing for FOSMM

To FAPs

24 splices max for FOSMF
12 splices max for FOSMM

Figure 3

1-1/4" heat shrink tubing

2.0" Approx.

Individual 900µm buffered fibers 1.2m (47") minimum length

Figure 4

FCE1U, FCE1UA and FCE2U Fiber Optic Splice Module Installation

FOSM (4) capacity for FCE1U, FCE1UA
(8) capacity for FCE2U

Break off FOSM latch on top module only.

FOSMH1U (FOSMH2U) support brackets

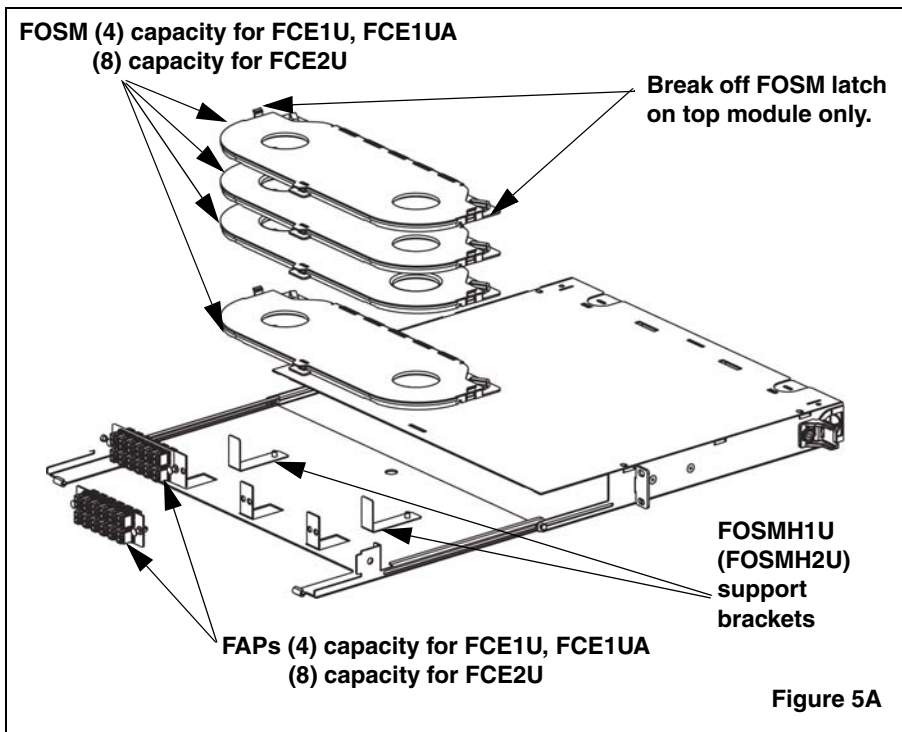**FAPs (4) capacity for FCE1U, FCE1UA**
(8) capacity for FCE2U

Figure 5A

Place "L" shape support brackets over #10-32 studs on sliding tray, note orientation. Place first FOSM on top of "L" shape support brackets, note orientation and secure with #10-32 hex nut. Remaining FOSMs are stacked on top of each other and snap in place after termination of lower tray.

If 4 FOSMs are to be installed in the FCE1U or FCE1UA, side latches on top module must be broken off to close enclosure drawer.

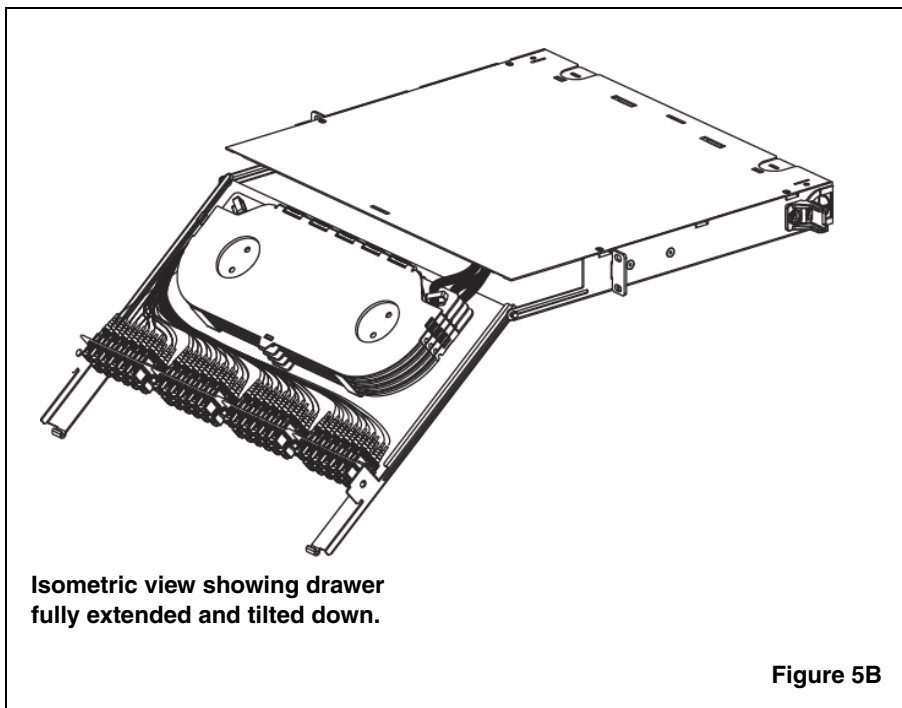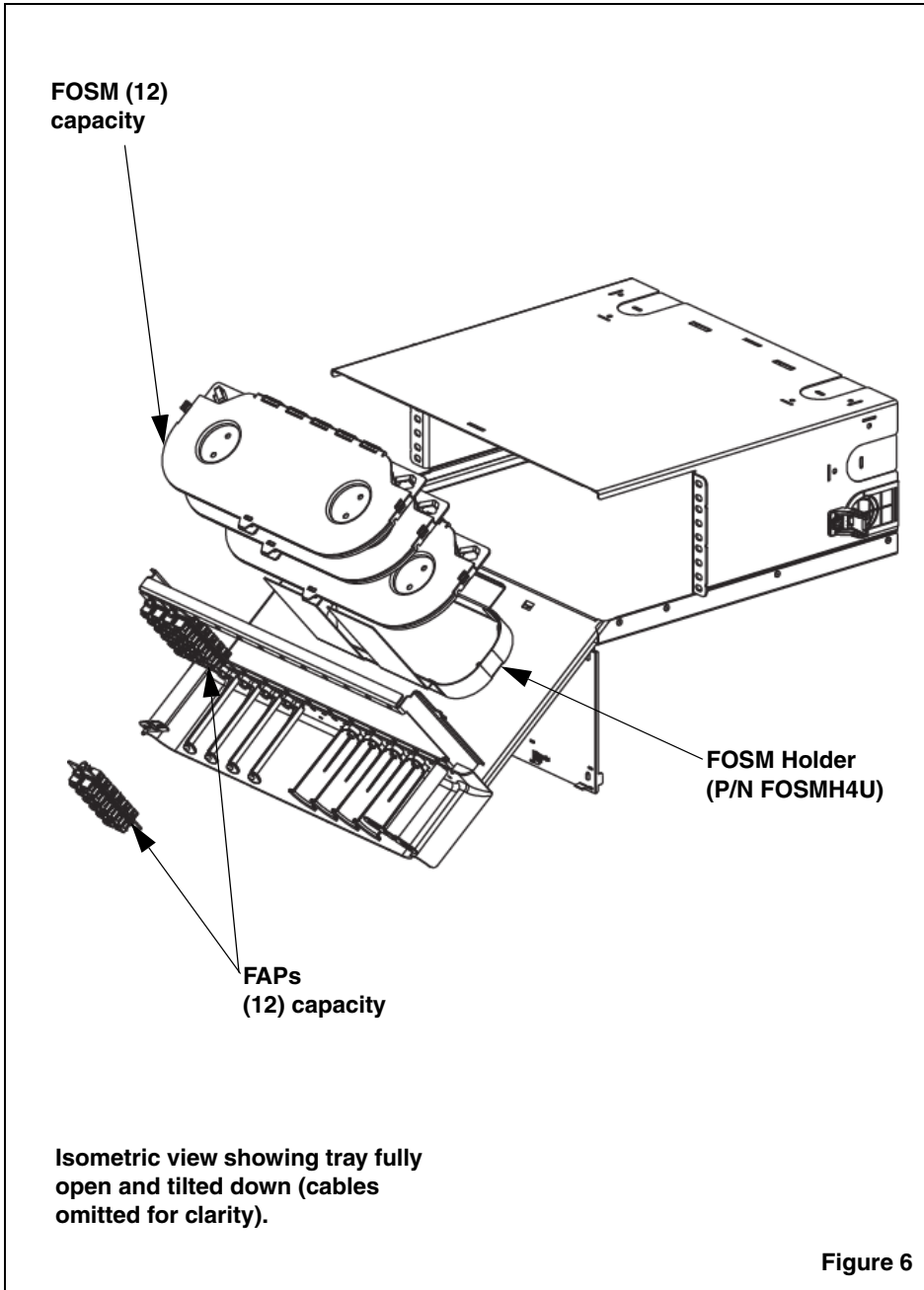Position FAPs between upright flanges as shown. Once mounted, fully seat NyLatches to secure FAPs.

Isometric view showing drawer fully extended and tilted down.

Figure 5B

Fully extend drawer to ensure proper amount of slack is used.

Finish splicing in each FOSM before adding or stacking subsequent FOSMs.

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FCE4U Fiber Optic Splice Module Installation

FOSM (12) capacity

FOSM Holder (P/N FOSMH4U)

FAPs (12) capacity

Isometric view showing tray fully open and tilted down (cables omitted for clarity).
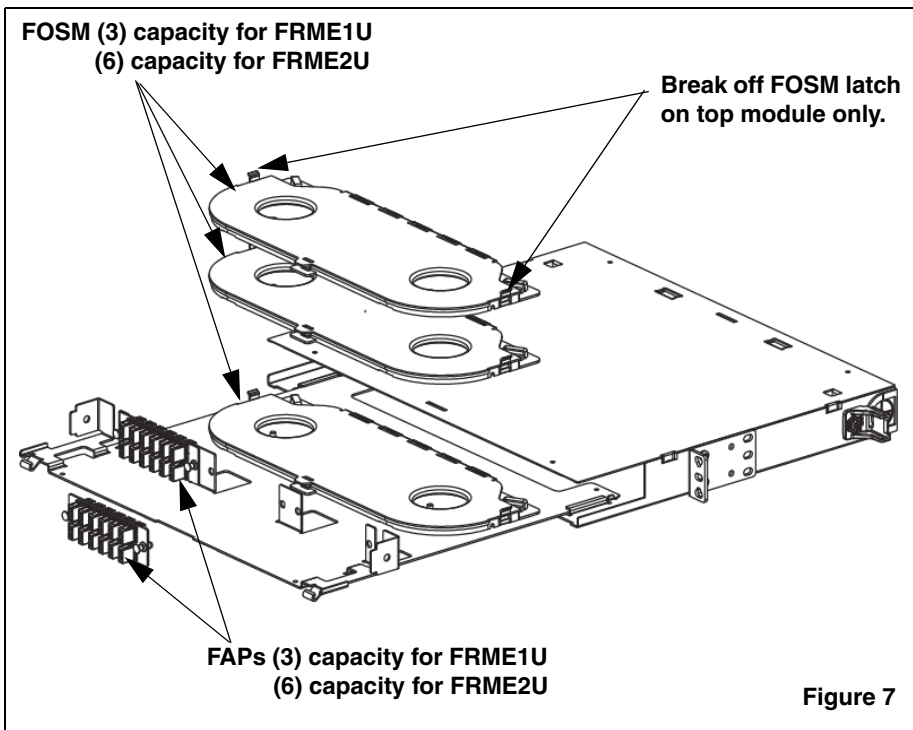
Figure 6

Place FOSM holder over #10-32 studs on sliding tray, note orientation, secure with #10-32 hex nut. Place first FOSM on top of FOSM Holder, note orientation. Remaining FOSMs are stacked on top of each other and snap in place after termination of lower tray.

Position FAPs between upright flanges as shown. Once mounted, fully seat NyLatches to secure FAPs.

Fully extend tray to ensure proper amount of slack is used.

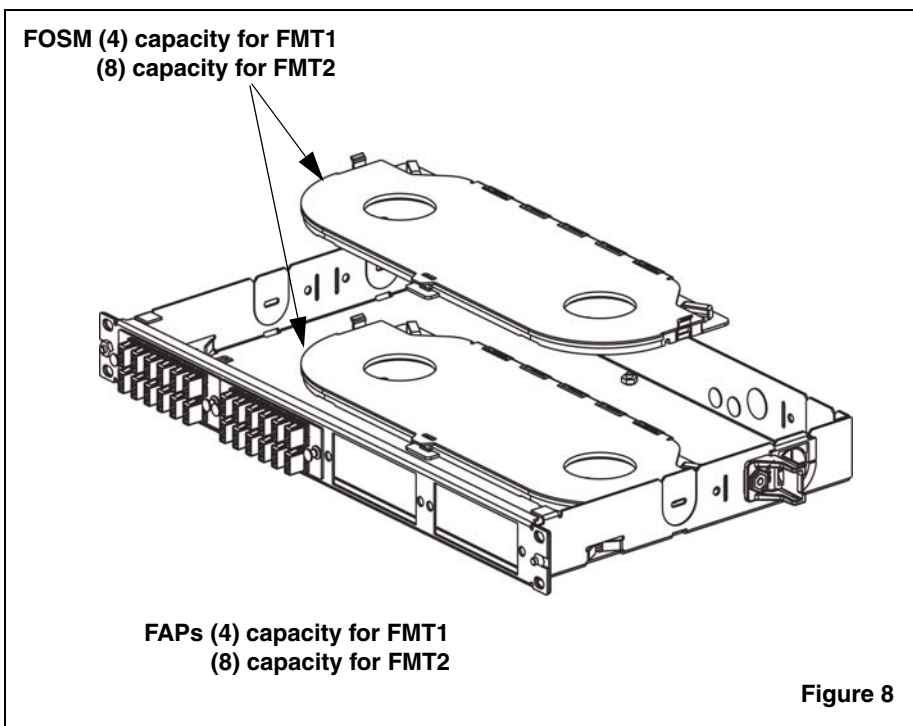Finish splicing in each FOSM before adding/stacking subsequent FOSMs.

FRME1U and FRME2U Fiber Optic Splice Module Installation

FOSM (3) capacity for FRME1U
       (6) capacity for FRME2U

Break off FOSM latch on top module only.

Place first FOSM over #10-32 studs on sliding tray, and secure with #10-32 hex nut. Remaining FOSMs are stacked on top of each other and snap in place after termination of lower tray.

Position FAPs between upright flanges as shown. Once mounted, fully seat NyLatches to secure FAPs.

FAPs (3) capacity for FRME1U
      (6) capacity for FRME2U

Figure 7

FMT1 and FMT2 Fiber Optic Splice Module Installation

FOSM (4) capacity for FMT1
     (8) capacity for FMT2

To remove top cover (not shown), remove screw at rear of enclosure, slide cover back and off.

Utilizing double stick tape on underside, place first FOSM into tray. Remaining FOSMs are stacked on top of each other and snap in place after termination of lower tray.

If 4 FOSMs are to be installed in the FMT1 side latches on top module must be broken off to close enclosure drawer.

Position FAPs between upright flanges as shown. Once mounted, fully seat NyLatches to secure FAPs.

FAPs (4) capacity for FMT1
     (8) capacity for FMT2

Figure 8