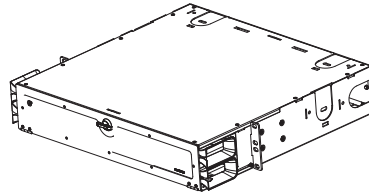
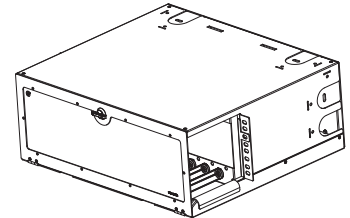


FHD-1UFCE



FHD-2UFCE



FHD-4UFCE

CONTENTS:

Parts included with all enclosures:

- | | |
|-------------------|------------------------------|
| 1-ENCLOSURE | 2-CABLE ENTRY GROMMETS |
| 2-ADHESIVE MOUNTS | 2-STRAIN RELIEF BRACKETS |
| 2-SLACK SPOOLS | 6-CABLE TIES |
| 2-M4*8 SCREWS | 4-M6*12 SCREWS AND NUTS |
| 6-M4 NUTS | 1-LASER WARNING LABEL |
| 4-PLASTIC RIVETS | 3-ADHESIVE BEVEL ENTRY CLIPS |

Additional parts included with FHD-1UFCE enclosures:

- 2-PLUNGERS AND GROMMETS
- 2-BEND RADIUS CONTROL CLIPS

Additional parts included with FHD-2UFCE enclosures:

- 4-PLUNGERS AND GROMMETS
- 4-BEND RADIUS CONTROL CLIPS

Additional parts included with FHD-4UFCE enclosures:

- 0-PLUNGERS AND GROMMETS
- 0-BEND RADIUS CONTROL CLIPS

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 DUST CAPS ON UNMATED CONNECTORS.

CAUTION:

Fiber optic cable is sensitive to excessive pulling, bending, and crushing forces.

Care should be taken when opening or closing a fully loaded drawer in order to protect the fiber components.

ASSEMBLY VIEW

(FHD-1UFCE shown)

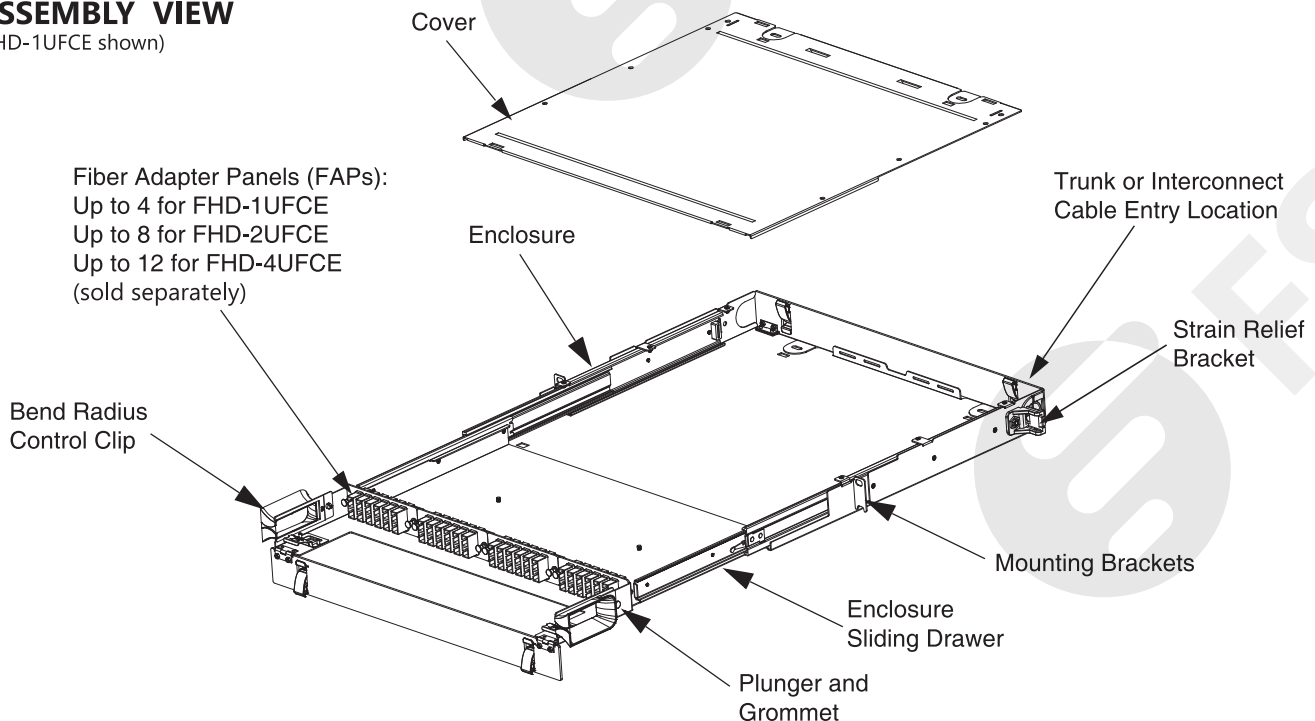
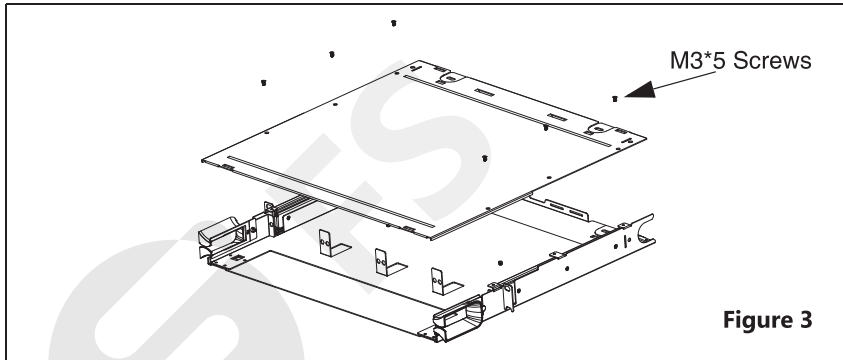
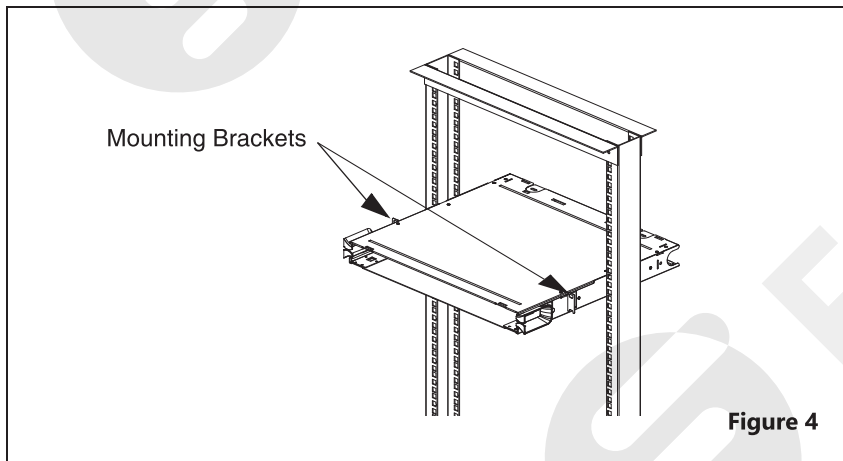


Figure 1

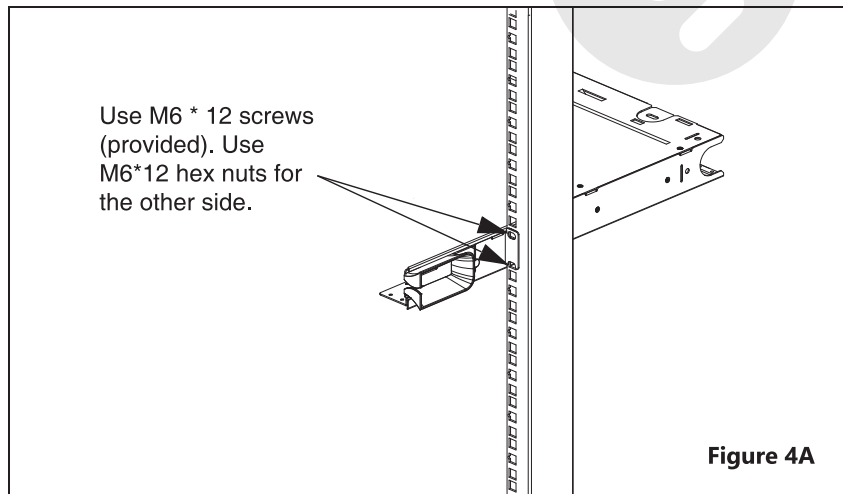
Preparation and Rack Mounting



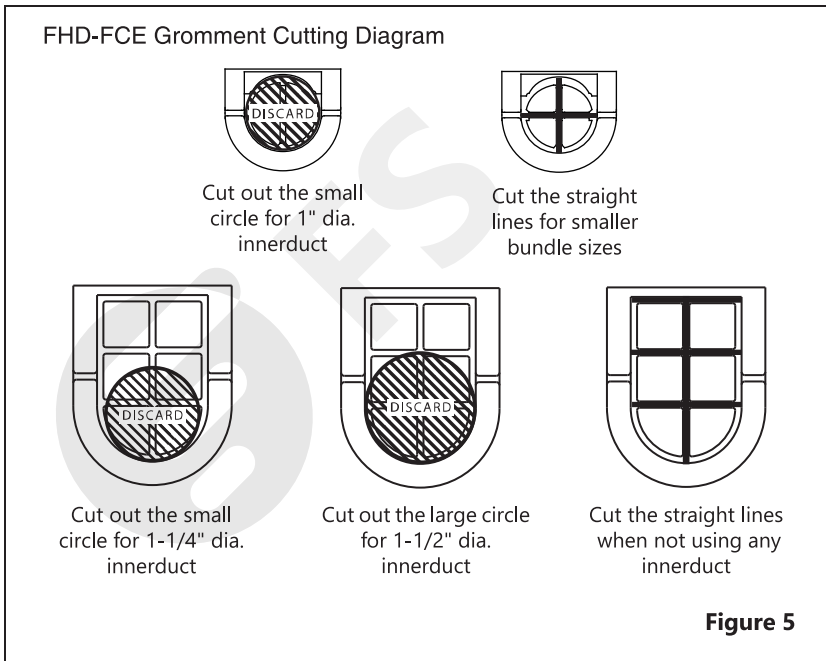
Note: Do not try to remove the cover. If needed, unscrew six M3*5 screws in order to remove it.



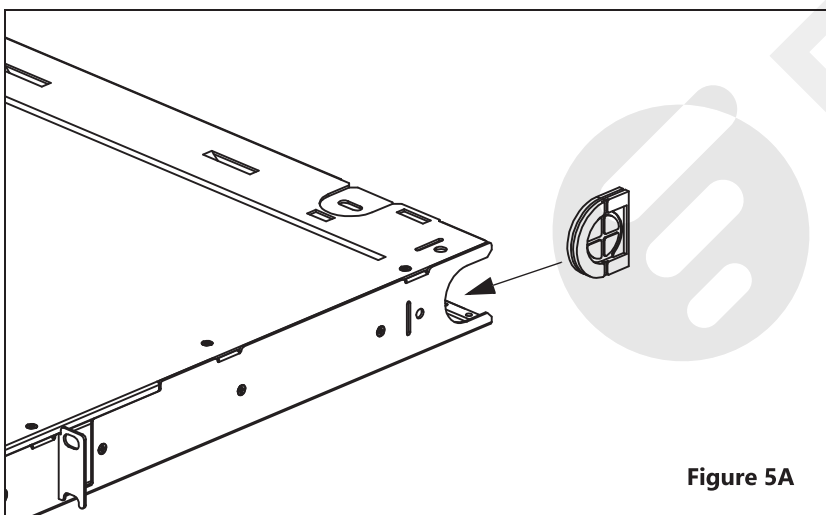
Place the mounting brackets at the desired position on the rack.



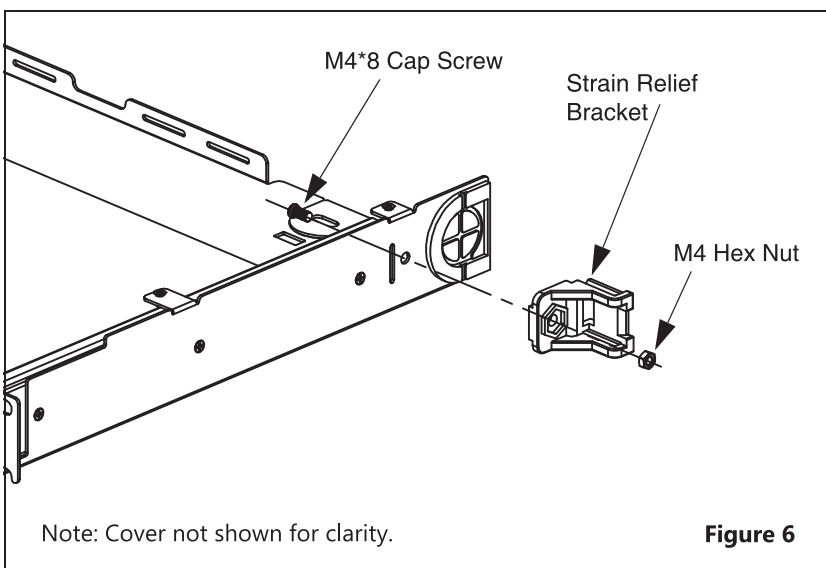
Mount the enclosure to the rack using M6 * 12 screw. Use M6*12 hex nut if mounting to a metric rack.



After the enclosure is mounted to the rack, determine the size of the innerduct that will be used to bring the cable into the enclosure. Prepare grommet(s) according to the proper cutting diagram to the left.



Install grommets as desired.



Install the strain relief bracket near where the cable will enter the enclosure. Secure with M4*8 cap screw and M4 Nut.

FHD-FCE Cassette Installation (Cassettes Not Included)

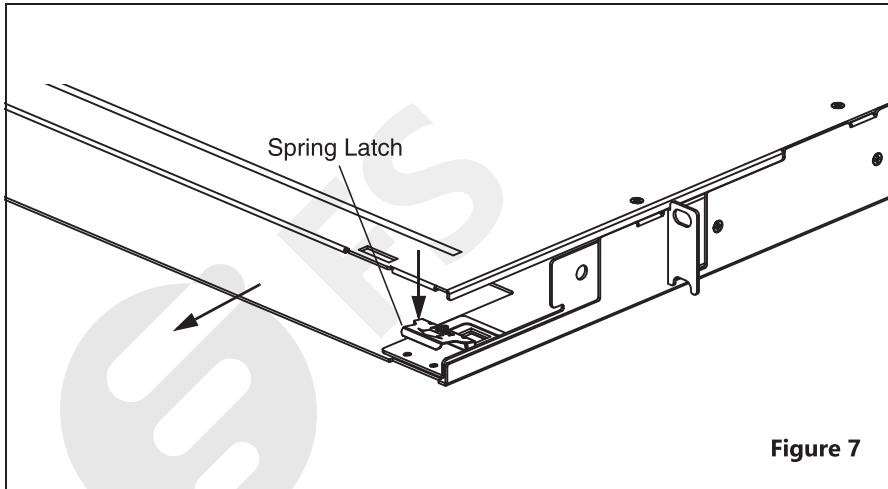


Figure 7

Depress spring latch and pull sliding tray out to the extended position.

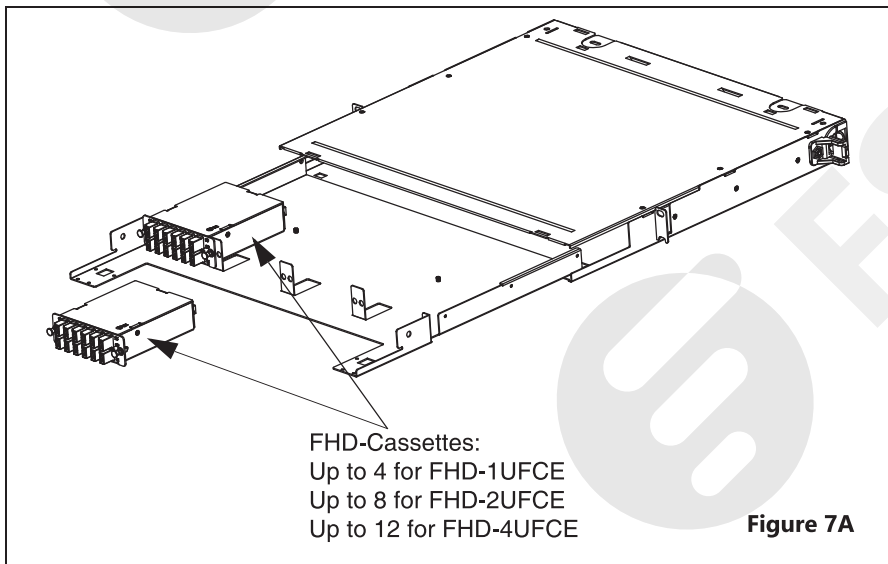


Figure 7A

Insert pre-terminated fiber optic cassettes into the enclosure as shown. Once mounted, fully seat fasteners to secure the cassettes.

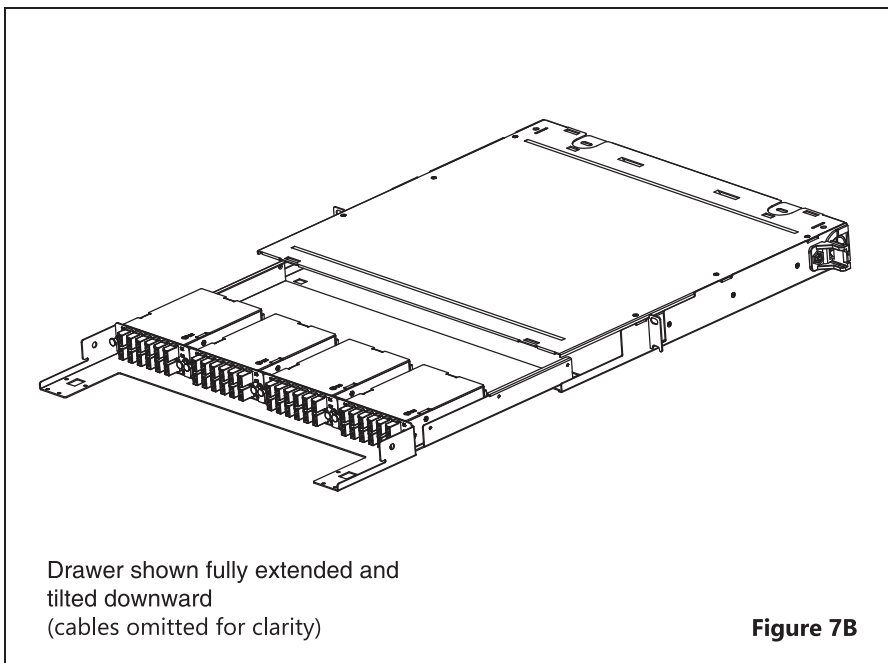
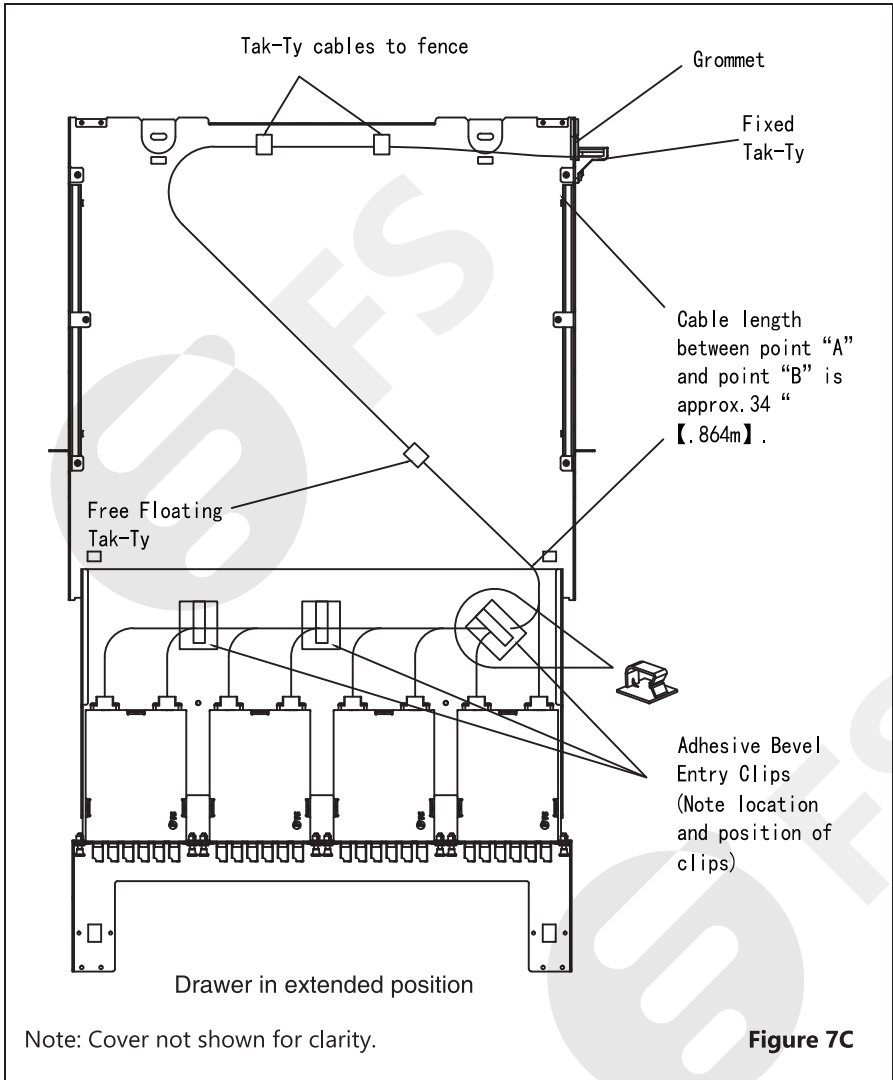


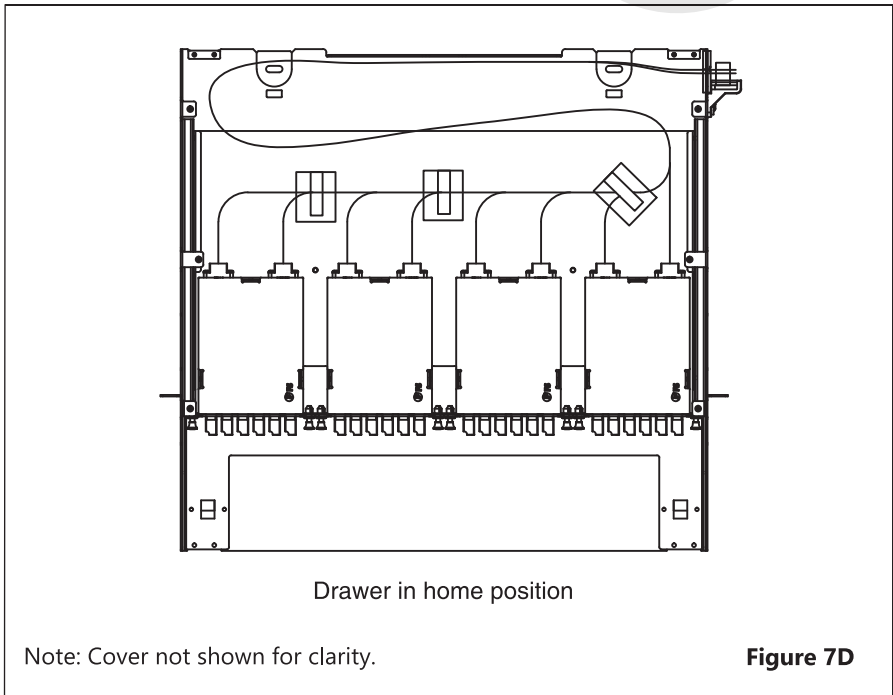
Figure 7B

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



Route fiber through grommet to fiber cassettes as shown. Leave enough slack so when the drawer is fully extended the cables are not put under tension. DO NOT use so much slack that the drawer cannot be returned to its home position. (See Figure 7D)

Use cable ties to secure fiber cords at cable entry location and other points as shown.



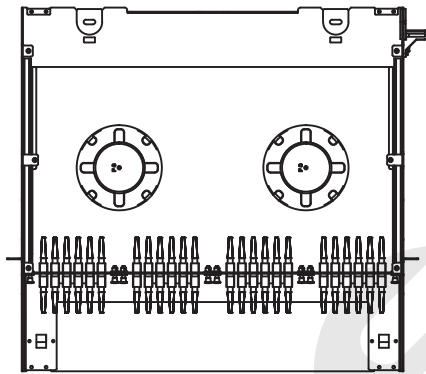
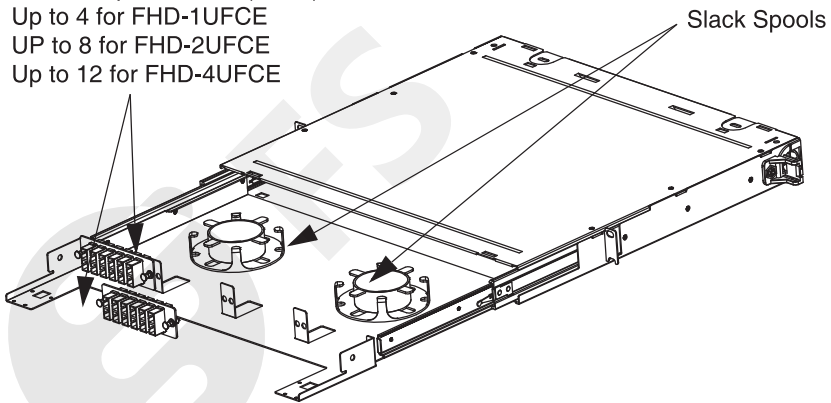
Field Termination or Pre-Terminated Trunk Installation

Fiber Adapter Panels (FAPs):

Up to 4 for FHD-1UFCE

UP to 8 for FHD-2UFCE

Up to 12 for FHD-4UFCE

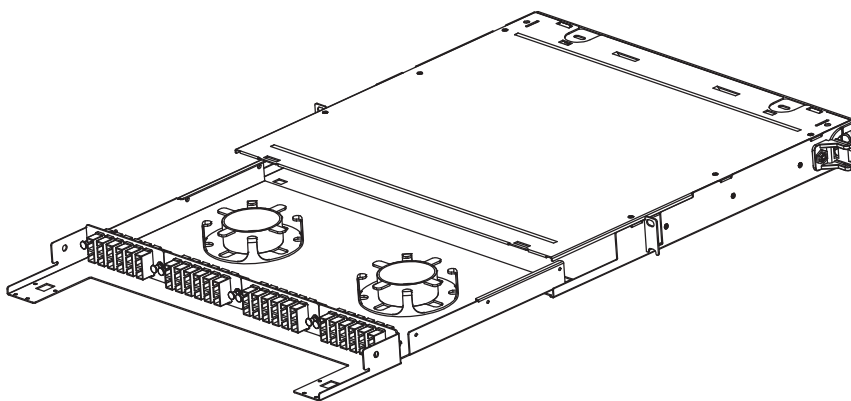


Top view, cover not shown for clarity.
Please note orientation of spools.

Figure 8

Place slack spools over plastic rivets studs on sliding tray. Secure with plastic rivets and/or adhesive mounts (make sure to punch hole into adhesive mounts). Note spool orientation.

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



Drawer shown fully extended
and tilted downward
(cables omitted for clarity)

Figure 8A

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

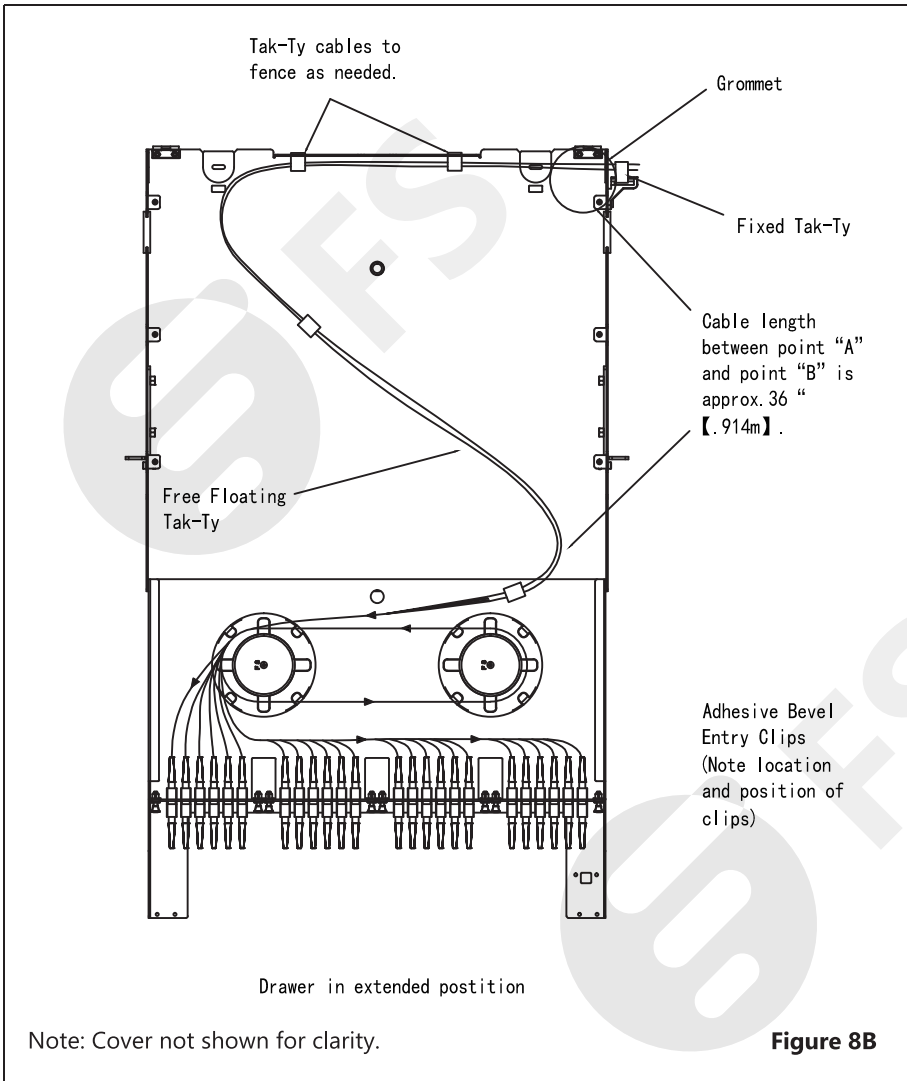
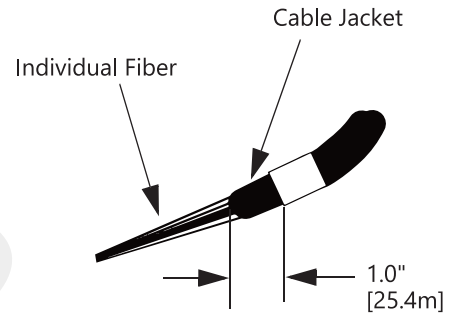


Figure 8B

Route fiber through grommet as shown. Use enough cable length to ensure one complete loop of individual fibers around slack spools.

Leave enough jacketed slack so when the drawer is fully extended the cables are not put under tension. DO NOT use so much slack that the drawer cannot be returned to its home position (See Figure 8C).

Use cable ties to secure fiber cords at cable entry location and other points as shown.



Fiber Breakout Detail

Be sure adhesive mount secures jacketed trunk cable. DO NOT clip individual 900µm buffered fibers.

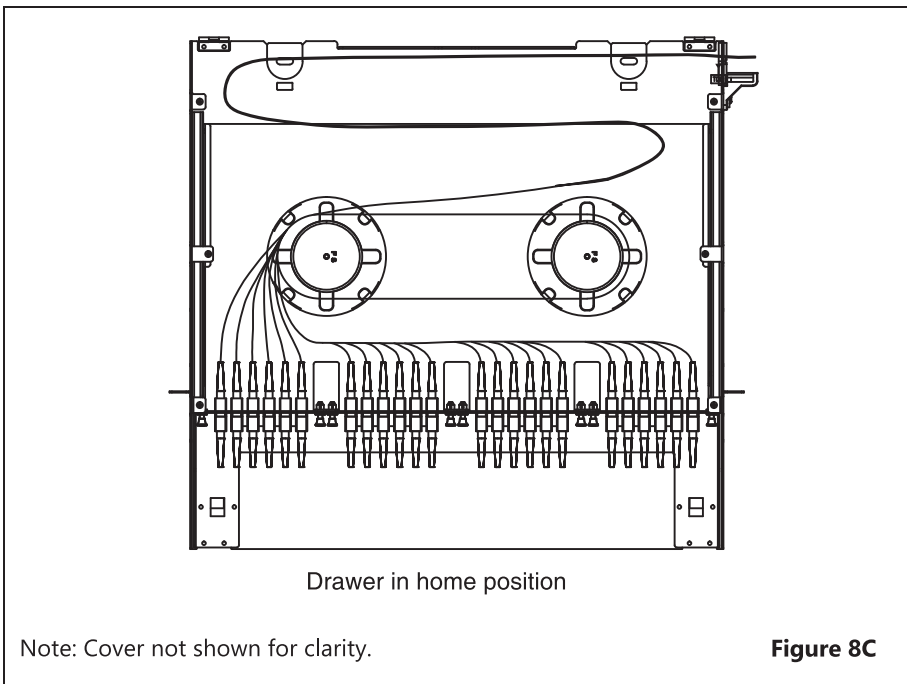
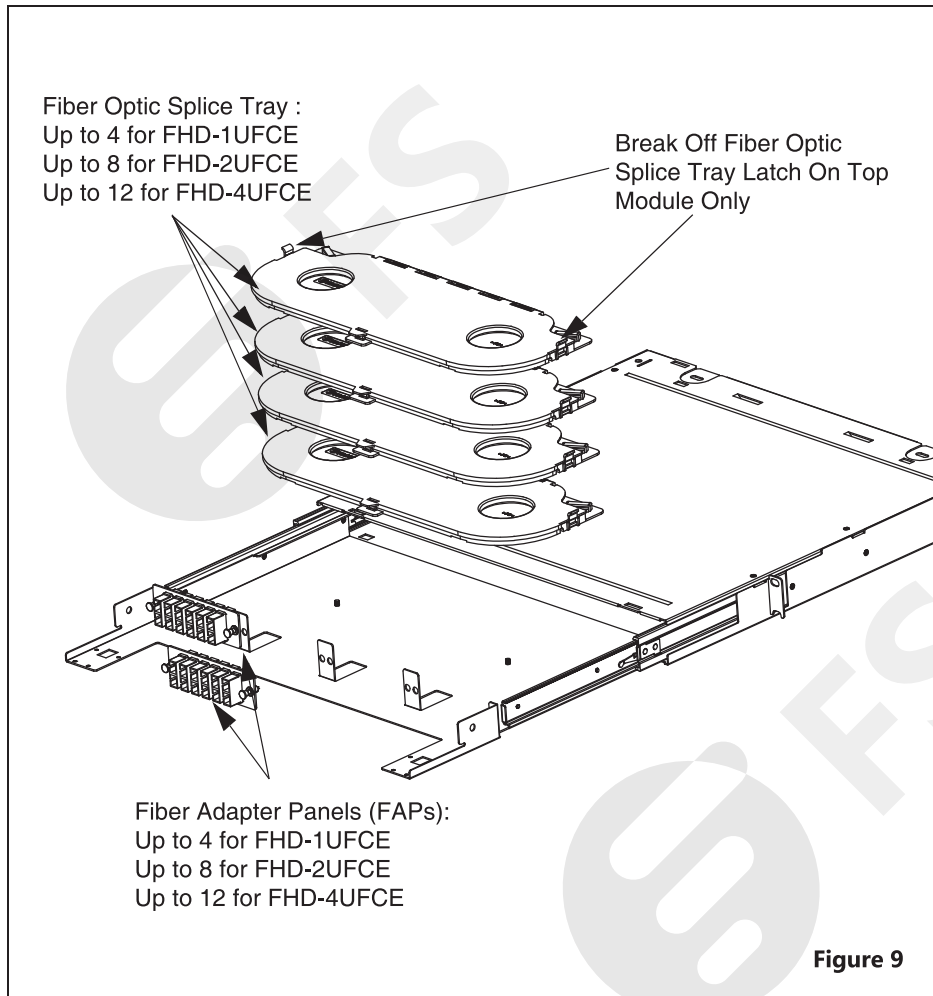


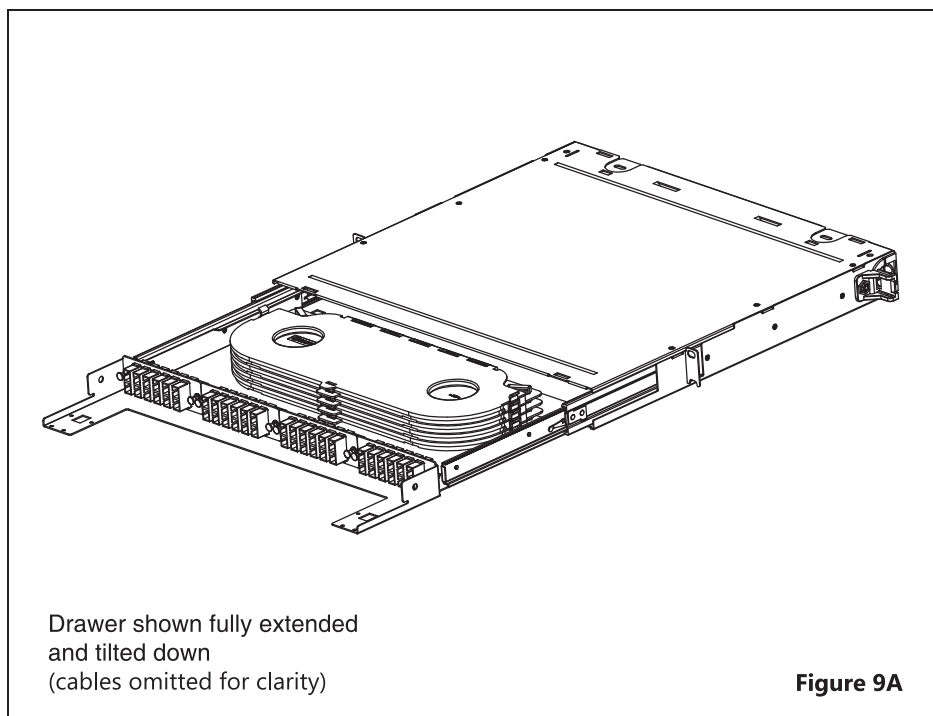
Figure 8C

Fiber Optic Splice Tray Installation (FOSTs Not Included)



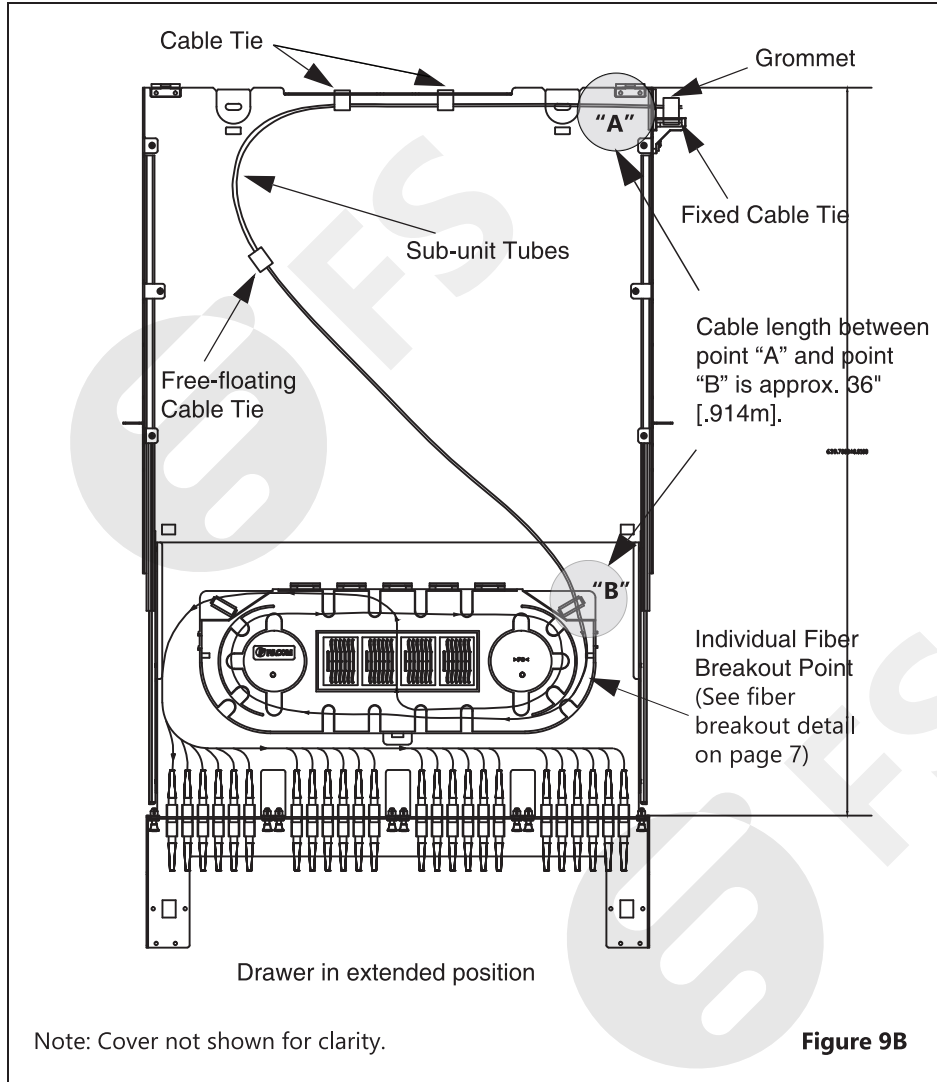
If 4 fiber or 8 fiber optic splice trays are to be installed in the FHD-1UFCE or FHD-2UFCE, side latches on top module must be broken off to close the enclosure drawer.

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



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

Finish splicing in each fiber optic splice tray before adding/stacking subsequent fiber optic splice trays.

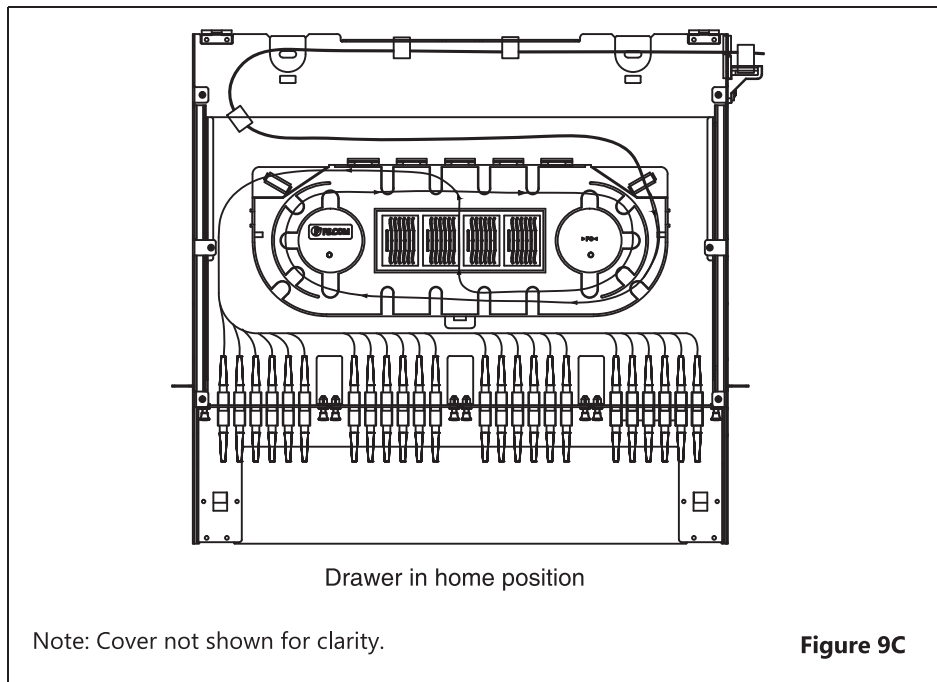


Route fiber through grommet as shown. Use enough cable length to ensure one complete loop of individual fibers around fiber optic splice tray slack spools.

Route 900µm buffered fiber from the trunk cable and splice to pigtail.

Leave enough jacketed slack so when the drawer is fully extended the cables are not put under tension. DO NOT use so much slack that the drawer cannot be returned to its home position (See Figure 9C).

Use cable ties to secure fiber cords at cable entry location and other points as shown.



Patch Cord Bend Radius Control Clip Installation

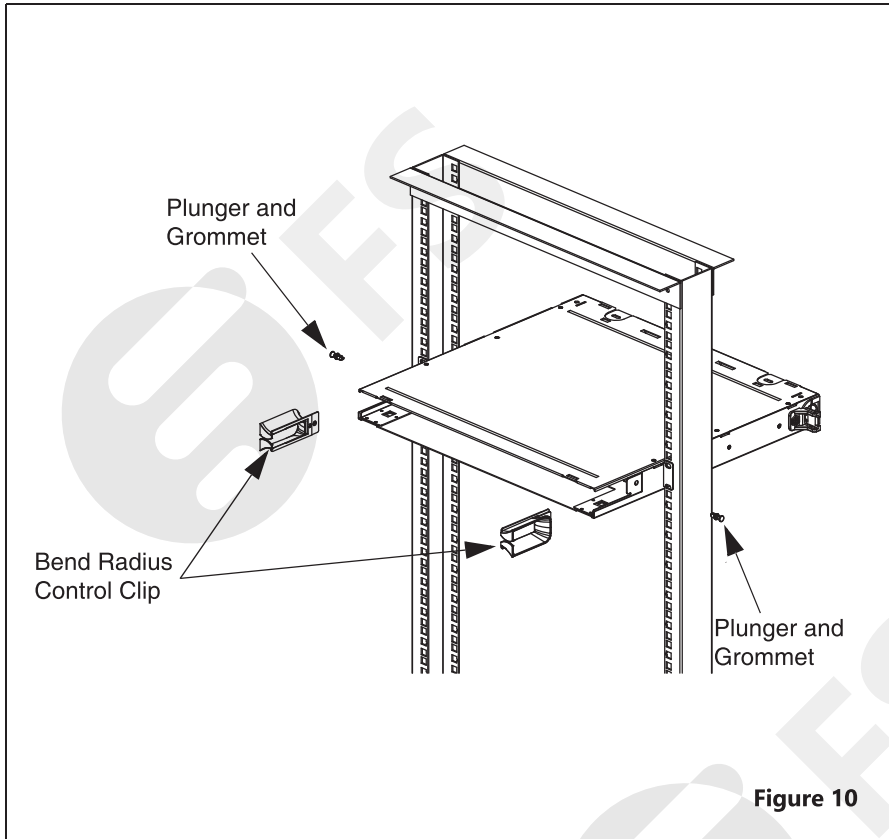


Figure 10

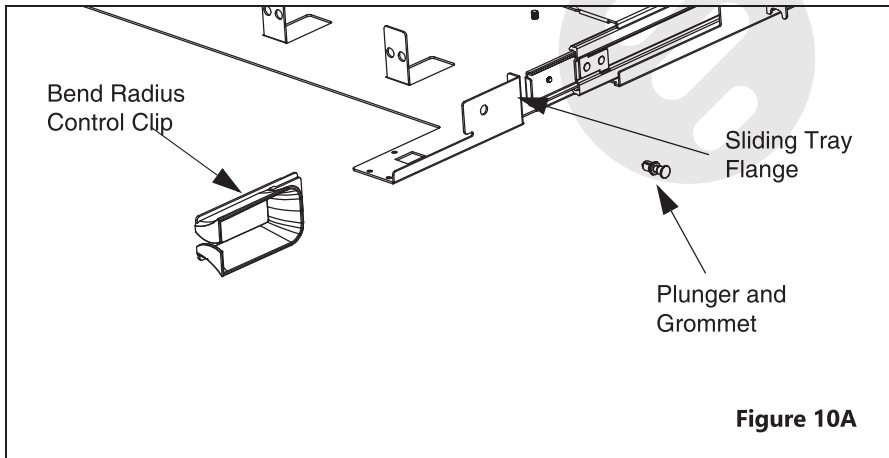


Figure 10A

Slide bend radius control clip over sliding tray flange as shown. Push plunger/grommets through bend radius control clip and sliding tray flange hole. Fully seat plunger into grommet to secure the clip. Repeat for the other side.

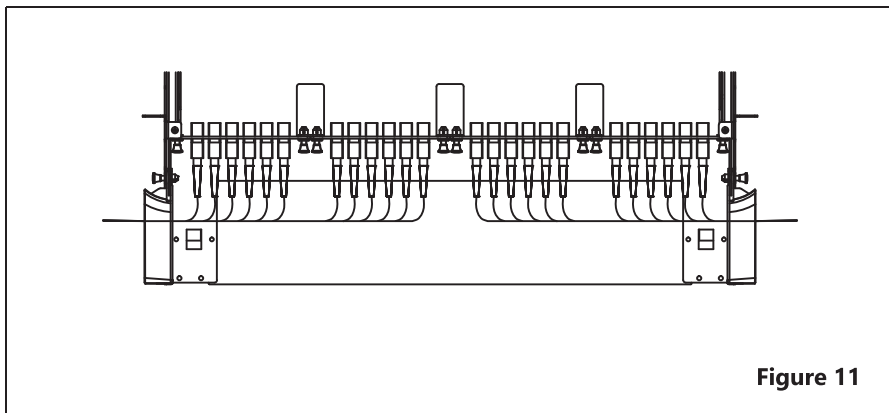
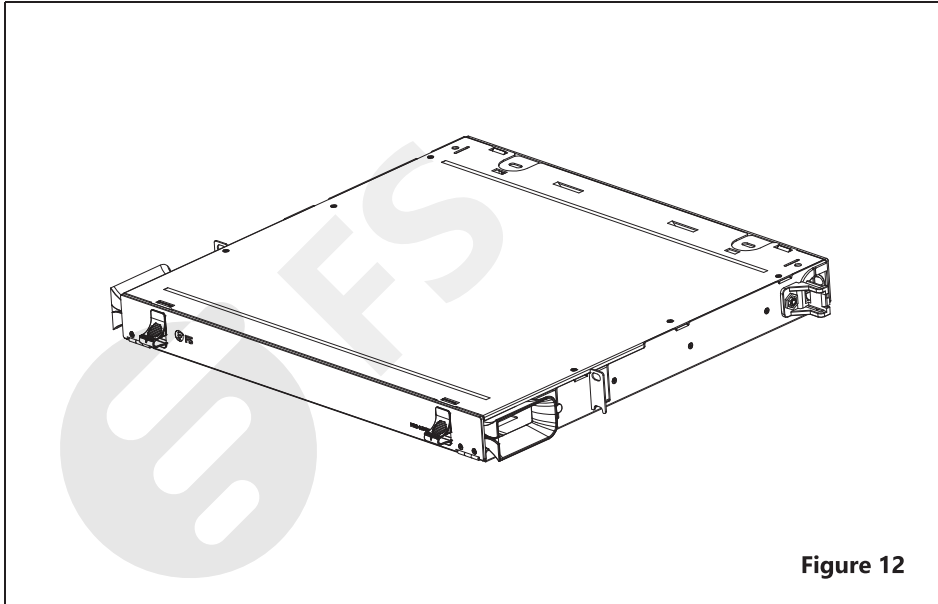


Figure 11

Install patch cords into FAPs/cassettes routing through bend radius control clips and maintaining proper patch cord bend radius.

The Completed Assembly View



Laser Warning Label is attached on the cover for caution.

