

FIGURE 10

7.1 Splice Tray Installation: (See Figure 10)

Hubbell splice trays may be secured to the tray with the Velcro straps.

Note: For additional splice capacity use the FCR350SE enclosure and route the cables through the knockout in the top or bottom of the enclosure.

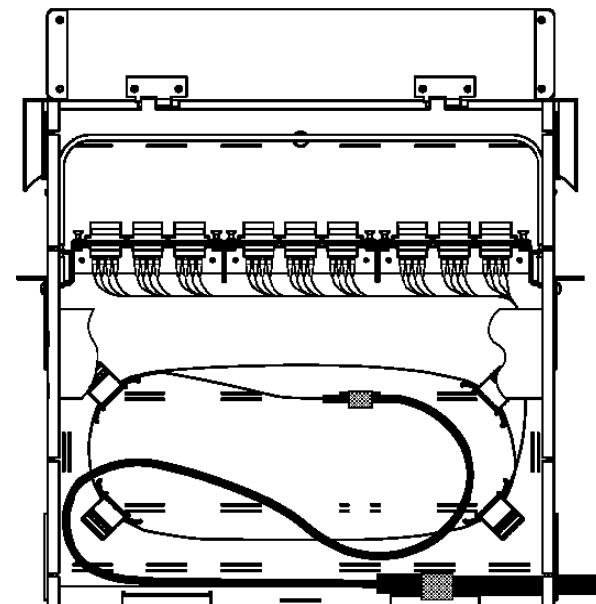
8 Cable Installation

8.1 Route the primary cable into the back of the cabinet, allowing approx. 6 feet of service loop. Mark the cable tie down point on the primary jacket. Remove the cable from the enclosure.

8.2 Strip off the cable sheath, cut off all strength members, and break out the fiber sub-units. Re-route the cable into the enclosure and secure the primary jacket with cable ties at the back flange of the chassis. Avoid sharp bends or over-tightening the cable ties. Tie down the sub units with slack in an "S" shape as shown to allow full tray movement without binding.

8.3 Strip approx. 2 feet of jacket from the sub-units. Using the adhesive clips, form a large loop leaving the 2 feet of individual fibers for the last loop. Be sure the tray does not kink the fibers or cables.

8.4 Terminate the fibers with connectors using breakout kits or splices as required by manufacturer's procedures. Clean all connectors and plug into the adapters. Route any excess fibers into the clips provided. Allow a minimum fiber service loop diameter of three inches.

FIGURE 11
CABLE INSTALLATION

9 Patch Cord Installation

9.1 Connect all patch cords from the front adapter ports to the active equipment. Route the cables out the left and right access ports in the front sides of the cabinet.

9.2 Use the Velcro straps to secure the cables to the tray.



1 General Information

1.1 This Instruction Sheet applies to the following Hubbell catalog numbers (X = Black, XW = White):

FCR1U3SPX, FCR1U3SPXW	1 Unit Fiber Enclosure for Qty 3 FSP Series Panels
FCR2U6SPX, FCR2U6SPXW	2 Unit Fiber Enclosure for Qty 6 FSP Series Panels
FCR2U9SPX, FCR2U9SPXW	2 Unit Fiber Enclosure for Qty 9 FSP Series Panels
FCR3U12SPX, FCR3U12SPXW	3 Unit Fiber Enclosure for Qty 12 FSP Series Panels
FCR4U15SPX, FCR4U15SPXW	4 Unit Fiber Enclosure for Qty 15 FSP Series Panels

Note: All FCR units accommodate a lock on both front and rear doors. The FLOCK1 and FLOCK2 locks are sold separately.

The FCR Series Fiber Enclosures provide fiber patching and termination for any combination of ST, SC, FC, LC, and MT-RJ configurations. Hubbell FSP Series Adapter Panels mount horizontally in all the FCR Series Fiber Enclosures. Hubbell Adapter Panels are available with high-quality phosphor bronze alignment sleeves or zirconia ceramic alignment sleeves, to support either multimode or single mode applications. Hubbell Adapter Panels are also available in "High Density" configurations, allowing for a higher fiber count. Hubbell Fiber Enclosure Locks (sold separately) can be installed in the smoked plastic door to allow the door to be locked. All Hubbell Splice Trays may be used with any of these enclosures. For additional splicing needs, Hubbell offers a 2 Unit Splice Enclosure, FCR350SE, which holds up to five Splice Trays.

1.2 Each FCR Enclosure includes one fully assembled and package enclosure and one FCR Enclosure Accessory Kit.

Note: Compare contents with the parts list to ensure that you have received all parts.

1.3 Tools Required:

Philips Head Screwdriver
Flat Head Screwdriver
Pliers/Cutters
Knife or Cable Strip Tool

FCR Fiber Enclosure Accessory Kit		
Item	Product Description	Qty
1	10.75" BLACK WIRE TIE	8
2	12-24 PAN HEAD PHILLIPS SCREW	4
3	DANGER LABEL / FIBER OPTIC PRODUCTS	1
4	VELCRO FASTENER STRAP- BLACK	6
5	FCR INSTRUCTION SHEET	1
6	PLASTIC FIBER SPOOL	4
7	LABEL HOLDER	2
8	FCR LABEL SHEET	1

2 Rack Mounting

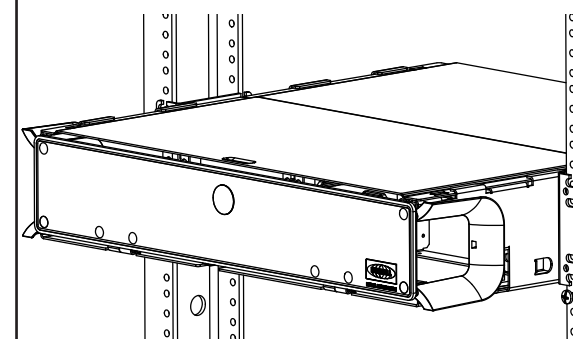


Figure 1

The FCR enclosure mounts onto a rack using the #12-24 screws provided. The mounting brackets are shipped configured for the extended position in a 19" rack. Additional mounting locations are provided for flexibility. For mounting to a 23" rack, flip the brackets so the short ear is attached to the chassis.

Lower enclosure until mounting bracket slots engage onto partially installed screws.

Partially install #12-24 screws (2) into lower mounting screw position

2.1 To install onto a rack, partially install two #12-24 screws into the lower screw locations of the desired rack unit position. Lift the enclosure with the mounting brackets positioned over the screws and lower it into the slots in the mounting brackets.

2 Rack Mounting (Continued)

2.2 With the enclosure temporarily attached to the rack, install the two upper mounting screws. Tighten all four screws.

Install upper (2) #12-24 mounting screws.

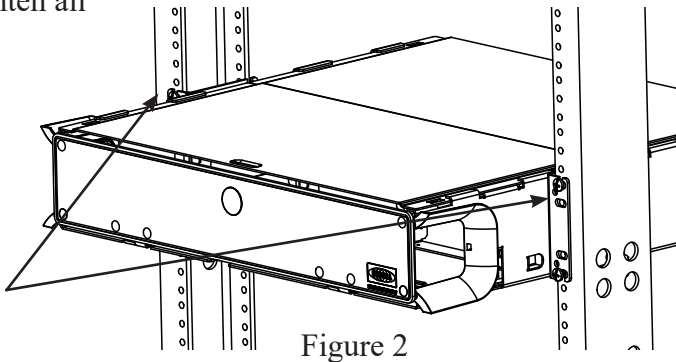


Figure 2

3 Accessibility

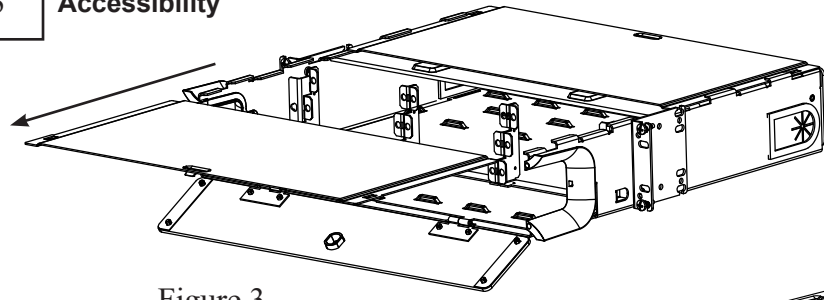


Figure 3

3.1 Opening the Front Door & Cover: (See Figure 3)

Open the front door by pulling on the upper corners until the magnetic latches release. Remove the front cover by pulling on it until the detent latches disengage.

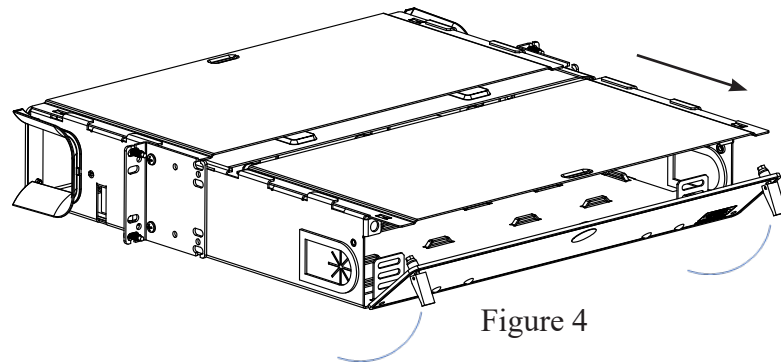
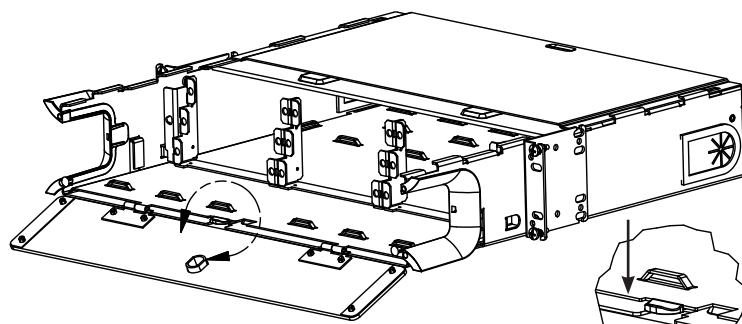


Figure 4

3.2 Opening the Rear Door & Cover: (See Figure 4)

Open the rear door by rotating the levers on the swell latches on the upper corners of the door until they detent in to the open position allowing the door to open. Remove the rear cover by pulling on it until the detent latches disengage.

4 Sliding Tray



Depress tray latch to allow tray to slide out.

Figure 5

4.1 Sliding Tray Latch: (See Figure 5)

To slide tray out, depress tray latch while pulling tray.

4 Sliding Tray (Continued)

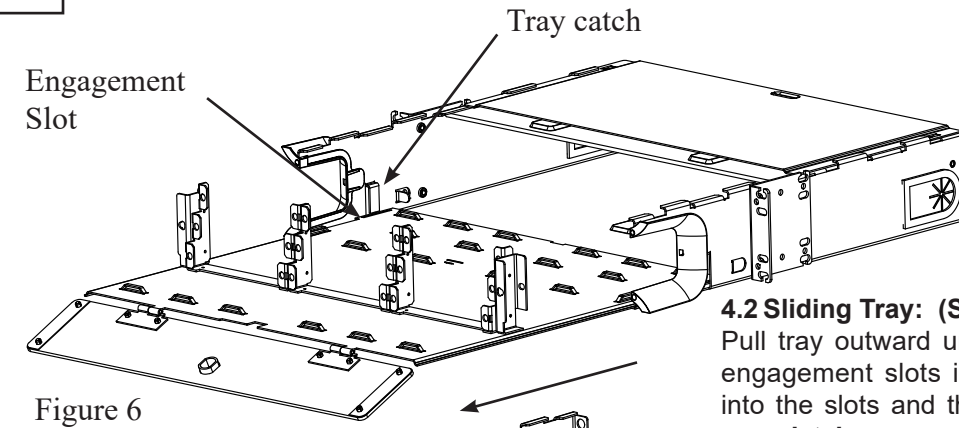


Figure 6

4.2 Sliding Tray: (See Figure 6)

Pull tray outward until the tray catches align with the engagement slots in the tray. Tray catch will engage into the slots and the tray will tilt. **Note: Tray can be completely removed by sliding it past the tray catches.**

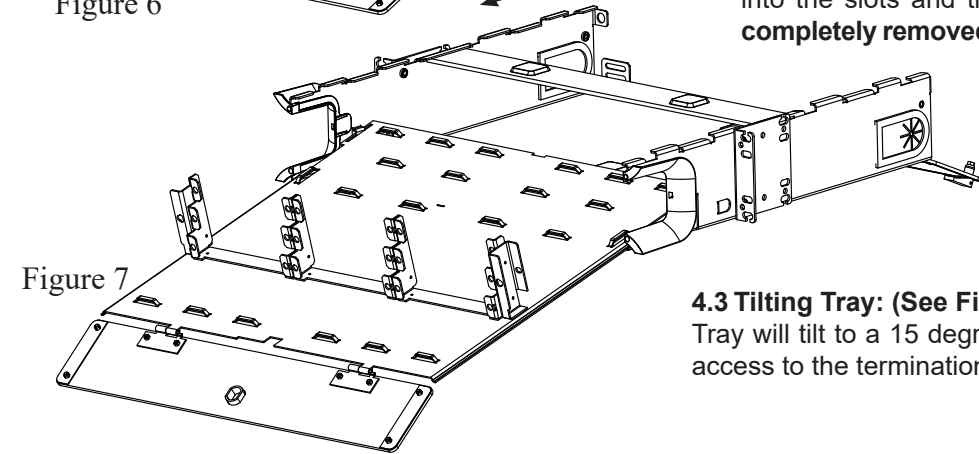


Figure 7

4.3 Tilting Tray: (See Figure 7)

Tray will tilt to a 15 degree angle to provide additional access to the terminations and equipment.

5 Adapter Panel Installation

5.1 Mounting Adapter Panels: (See Figure 8)

Align the adapter panel fasteners on the panel with the holes in the tray mounts. Make sure the plungers are pulled out. Press the panel against the mounts until the fasteners engage the holes. Press the buttons on the fasteners to lock the adapter panels in place.

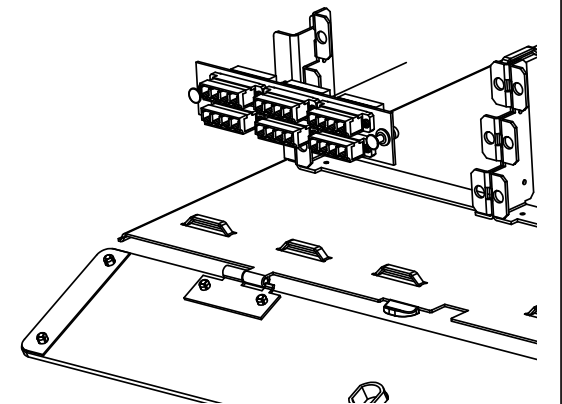


Figure 8

6 FCR labeling

6.1 FCR Label Sheet Installation: (See Figure 9)

Attach adhesive backed label holder to inside of door. Print desired information on FCR Label. Adhere FCR Label to label card. Insert edge of label card into fold of the label holder.

6.2 Grid and Danger Labels:

Place the DANGER label in plain view.

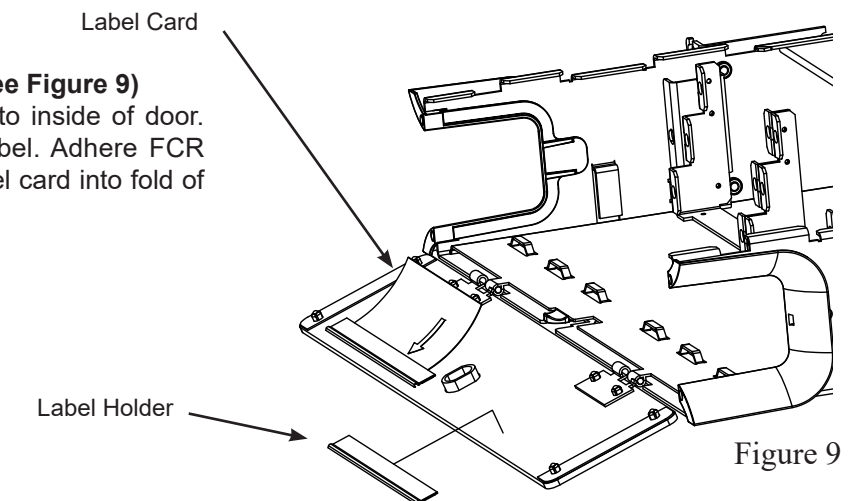


Figure 9