

DATA Sheet

FiberExpress Rack Mount Patch Panel 3U

The FiberExpress 3U Rack Mount Patch Panel can accommodate up to 96 optical fiber connections (using MT-RJ or LC connectors). The connector panel is mounted on a sliding drawer for easy access to the back side (cable side) of the panel.

The FiberExpress 3U Rack Mount Patch Panel can be used with either optical fiber Single-ended patch cords or field-installable connectors. If optical Single-ended patch cords are to be used, organizer trays are easily accessible via the removable front access pull-out drawer. (Trays must be ordered separately, see section 7.6.1 for ordering information).

The FiberExpress 3U Rack Mount Patch Panel is a compact cross-connect assembly for the termination of optical fiber cables. The low-profile design minimizes required rack space to 127 mm (5 in.). It is compatible with ST Compatible, SC, Duplex SC (568SC), MT-RJ, LC Duplex and FC adapter strips.

Features & Benefits

- > Universal Connector Panel and Strips allow flexible and customized patch panel design
- > Sliding drawer provides easy access to fibers
- > Low-profile design 127 mm (5 in.) minimizes rack mounting space
- > Can be used with many types of commercial connectors
- > Can be mounted flush or recessed 127 mm (5 in.)
- > Will fit 23 in. bays 19 in. racks and can be wall mounted, if required

- > Smoked plexiglass removable door allows easy visual access to patch cords
- > Provides for bonding and grounding of cables as well as offering strain relief
- > Ensures a minimum bend radius throughout the panel
- > Accommodates storage of patch cord slack
- > Can be used with either splice organizer tray or field-installable connectors.

Applications

- > Central office equipment bays
- > Equipment racks or cabinets (19 in. or 23 in.)
- > Termination of fiber cables, either in-building or TELCO application
- > Telecommunication rooms or main distribution rooms
- > Intermediate Cross-Connect, horizontal Cross-Connect or horizontal cabling transition points.

Technical Specifications

- > Connector capacity: 24 and 48 (four strips) (up to 96 fibers with MT-RJ or LC connectors)
- > Four 203 mm (8 in.) or 305 mm (12 in.).

Dimensions (H x W x D)

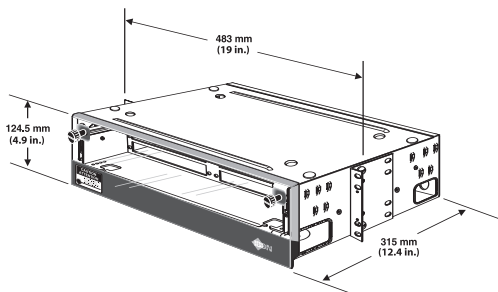
124.5 x 483 x 315 mm (4.9 x 19.0 x 12.4 in.).

Material

- > Steel 14 gauge
- > Color: Gray or Black
- > Weight: 7 kg (16 lbs).



**AX100078 FiberExpress (3U)
Rack Mount Patch Panel**



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Installation Tips

- > Prior to installation, refer to instructions located within the patch panel
- > Planning the route cable will require entering the patch panel to maintain the minimum bend radius of the cable being used. Once inside the patch panel, ensure that the minimum bend radius of the individual fibers is maintained at all times
- > To ensure optimum optical system performance, never kink the optical cable or individual fibers
- > Secure patch panel firmly to the equipment rack or bay
- > When planning patch panel spacing, allow for future expansion
- > Ensure optical fiber slack is secure and will not be pinched upon future access
- > If splice trays are used, ensure that they are secure to prevent any damage to other optical fiber connections within the patch panel
- > If required, ground patch panel to the Telecommunications Ground Bus Bar located in the telecommunications room or equipment room.

Ordering Example

- 1st: Order the universal connector panel**
- > For example: one FiberExpress, 3U Rack Mount Patch Panel, Black
 - > Ordering requirements: quantity one of AX100077.
- 2nd: Order the universal strips**
- (from the Universal Optical Fiber Adapter Strips and Adapter Sleeves in section 7.5.6)
- > For example: four double density Universal Optical Fiber Adapter Strips loaded with six 568SC Duplex adapters, Black
 - > Ordering requirements: quantity four of AX100098.

For More Information

For any other product information call: 1-800-BELDEN-1 or visit us at www.Belden.com

All information is subject to change without notice, since Belden reserves the right to change its products as progress in engineering and manufacturing methods or other circumstances may warrant.

Ordering Information

- > If optical Single-ended patch cords are to be spliced to the fiber cable, don't forget to order Splice Organizer Trays or Kits.

FiberExpress Rack Mount Patch Panel 3U

COLOR	UPC	ORDERING NUMBER
Gray	628575052745	AX100078
Black	628575052738	AX100077