

## FiberExpress Rack Mount Patch Panel 4U

The FiberExpress 4U Rack Mount Patch Panel is an economical solution for the protection of optical fiber terminations and splices (up to 192 optical fibers if using MT-RJ or LC connectors).

The connector panel accepting the Universal Adapter Strips is located inside the enclosure and swings out (left or right) to give easy access to the cable and splices. The connector panel is compatible with the Optimax ST, SC and LC connectors as well as with most industry standard connectors such as: ST Compatible, SC, SC Duplex (568SC), MT-RJ, LC, LC Duplex and FC.

The FiberExpress 4U Rack Mount Patch Panel is a compact Cross-Connect enclosure for the cross-connection, interconnection or splicing of optical fiber cables. The low-profile design minimizes required rack space 178 mm (7 in.). It can be used with ST Compatible, SC, Duplex SC (568SC), MT-RJ, LC Duplex and FC adapter strips.

### Features & Benefits

- > Universal Connector Panel and Strips allowing flexible and customized patch panel design
- > Low-profile design 178 mm (7 in.) minimizes rack mounting space
- > Can be used with major types of commercial connectors
- > Universally equipped for 19 in. bays and can be mounted flush or recessed 127 mm (5 in.). Will also fit 23 in. bays and can be wall mounted if required
- > Field-installable connectors or splice organizer trays can be used

- > Provides for bonding and grounding of cables as well as offering strain relief
- > Ensures a minimum bending radius throughout the panel
- > Accommodates storage of patch cord slack
- > Convenient reversible hinged connector panel allows for easy front access to fiber cables and splices.

### 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: 48 and 96 (8 strips) (up to 192 fibers if using MT-RJ or LC connectors)
- > Splice Tray capacity: Four 203 mm (8 in.) or 305 mm (12 in.).

### Dimensions (H x W x D)

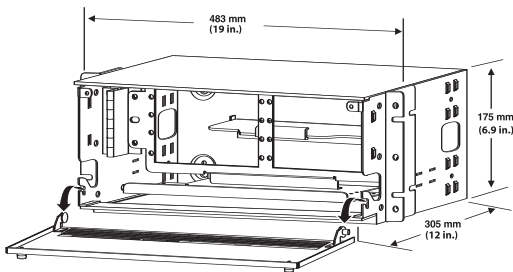
175 x 483 x 305 mm (6.9 x 19.0 x 12.0 in.)

### Material

- > Steel 14 gauge
- > Color: Gray or Black
- > Weight: 11.8 kg (26 lbs).



**AX100115 FiberExpress (4U)  
Rack Mount Patch Panel**



**FiberExpress (4U) Rack Mount Patch Panel**



# DATA Sheet

## FiberExpress Rack Mount Patch Panel 4U

### Installation Tips

- > Prior to installation, read instructions located inside 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, make sure that they are secure to prevent any damage to other optical fiber connections within the patch panel
- > If required, ground patch panel according to ANSI/TIA/EIA-607 (CSA T527) guidelines

- > Single-density strips (6 adapters per strip) should be used when high manageability is required. It is a good practice to use the single density strip upon initial installation. Doing so allows the use of double-density strips for expansion purposes. Double-density adapter strips (12 adapters per strip) can be used when high density is required.

### Ordering Example

#### 1st: Order the universal connector panel

- > For example: one FiberExpress, 4U Rack Mount Patch Panel, Black
- > Ordering requirements: quantity one of AX100116.

#### 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](http://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 4U

COLOR	UPC	ORDERING NUMBER
Gray	628575053025	AX100115
Black	628575053032	AX100116