# BELDEN
## SENDING ALL THE RIGHT SIGNALS

# DATASheet



**AX100069 FiberExpress (2U) Rack Mount Patch Panel**



**FiberExpress (2U) Rack Mount Patch Panel**

## FiberExpress Rack Mount Patch Panel 2U

The FiberExpress 2U Rack Mount Patch Panel is equipped with a special hinge that allows easy access to the rear of the patch panel without disturbing the optical fiber cable. A specially designed front panel allows connector protection and easy routing of optical fiber patch cords.

The FiberExpress 2U Rack Mount Patch Panel is also compatible with Belden CDT 203 mm (8 in.) Splice Organizer Tray. This allows the optical fiber cable to be either terminated with fiber single-ended patch cords or field-installable connectors, like Belden CDT's Optimax ST Compatible, SC or LC connectors.

The FiberExpress 2U Rack Mount Patch Panel offers a high Fiber capacity (96 Fibers if using double density MT-RJ or LC Duplex adapter strips). The FiberExpress 2U comes equipped with a smoked plexiglass front cover that protects fiber connections while allowing for quick visual inspection.

### Features & Benefits

> Low profile, takes up only one unit of rack space — 1U = 45 mm (1.75 in.)

> Patch panel can be ordered in Gray or Black

> Universal Connector Panel and Strips allowing flexible and customized patch panel design

> Mounted on a hinge, swings out to allow easy access to the back of the panel, from the front

> Rugged design protects fiber terminations and fiber connectors

> Compatible with 203 mm (8 in.) Splice Organizer Tray, allows for splicing with optical pigtails

> Provide for bonding and grounding of cables, as well as strain relief

> Ensure a minimum bending radius of 38.1 mm (1.5 in.) throughout the panel

> Panel can protrude from the rack 50.8 mm (2 in.) or 127 mm (5 in.) if required

> NEW: A newly designed snap-on cover that facilitates cover installation and removal. This new user-friendly feature provides better access to the panel's internal termination area

> NEW: A simple snap-on mechanism replaces the screw mechanism that was used for affixing the right side of the panel to the rack.

### Applications

> Equipment racks or cabinets (19 in. or 23 in.)

> Backbone terminations in telecommunications rooms or main distribution rooms

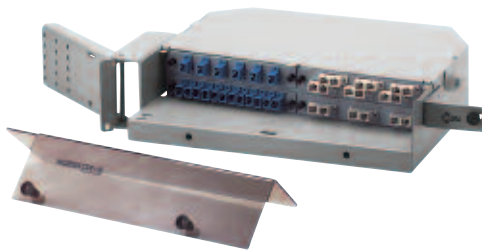> Central Office equipment bays.

### Technical Specifications

> Connector capacity: 24 and 48 (four strips) (up to 96 fibers with MT-RJ or LC connectors)

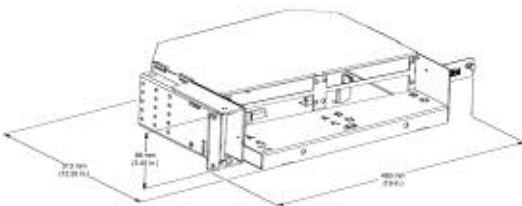> Splice Tray capacity: Four 203 mm (8 in.) trays.

**Dimensions (H x W x D)**

88 x 483 x 305 mm (3.45 x 19.0 x 12.0 in.).

**Material**

> Steel 14 gauge

> Color: Gray or Black

> Weight: 5.5 kg (12 lbs).

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## FiberExpress Rack Mount Patch Panel 2U

### 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, 2U Rack Mount Patch Panel, Gray

> Ordering requirements: quantity one of AX100069.

**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. IMPORTANT: The FiberExpress 2U accepts four 203 mm (8 in.) splice trays.

**FiberExpress Rack Mount Patch Panel 2U**

| COLOR | UPC | ORDERING NUMBER |
|---|---|---|
| Gray | 628575052653 | AX100069 |
| Black | 628575052646 | AX100068 |