

DATA Sheet

FiberExpress Wall Mount Patch Panel



AX100495 Small Wall Mount



AX100541 Medium Wall Mount



AX100543 Large Wall Mount

The FiberExpress Wall Mount Patch Panel Series is an economical solution for the protection of optical fiber terminations and splices in hostile environments.

Using the FiberExpress Universal Adapter Strips (ordered separately), the Wall Mount Patch Panels Series allow for flexible and customized patch panel design. It is compatible with most industry standard connectors: ST Compatible, SC, 568SC (SC Duplex), MT-RJ, LC and FC.

Available in gray and black, the FiberExpress Wall Mount Patch Panels have an ergonomic design, rugged construction and compact assemblies to effectively protect your optical fiber terminations and splices.

Features & Benefits

- > Flexibility and custom configuration through the Universal Adapter Strips
- > Asymmetric design allowing more space on the cable side
- > Independent doors
- > Key lock on the cable side door
- > Metal door on the cable side allowing for extra protection
- > Lexan door on the user side allowing for quick visual check
- > Units can be stacked for system expansion
- > Splicing capability on all three models
- > Compatible with FiberExpress Bar (medium and large units only)
- > Multimedia (MDVO Adapter Strips).

Applications

- > Telecommunications Room or Main Distribution Rooms
- > Horizontal cabling transition points
- > Panel supports interconnect and distribution applications.

Technical Specifications

Small Wall Mount:

- > Maximum Connector capacity: 12 and 24 (two strips) (up to 48 fibers with MT-RJ or LC connectors)
- > Splice Tray capacity: One 203 mm (8 in.) tray
- > FiberExpress Bar capacity: None.

Medium Wall Mount:

- > Maximum Connector capacity: 24 and 48 (four strips) (up to 96 fibers with MT-RJ or LC connectors)
- > Splice Tray capacity: Two 203 mm (8 in.) or 305 mm (12 in.) trays
- > FiberExpress Bar capacity: One.

Large Wall Mount:

- > Maximum Connector capacity: 48 and 96 (8 strips) (up to 192 fibers with MT-RJ or LC connectors)
- > Splice Tray capacity: Four 203 mm (8 in.) or 305 mm (12 in.) trays
- > FiberExpress Bar capacity: One.



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Dimensions (H x W x D)

- > Small Wall Mount: 265 x 391 x 87 mm (10.45 x 15.4 x 3.41 in.)
- > Medium Wall Mount: 396 x 423 x 138 mm (15.61 x 16.64 x 5.45 in.)
- > Large Wall Mount: 778 x 423 x 138 mm (30.63 x 16.64 x 5.45 in.)

Material

- > Steel and Lexan (only for the door on the user side)
- > Color: Gray and Black
- > Weight:
 - Small Wall Mount: 2.70 kg (5.95 lbs)
 - Medium Wall Mount: 5.25 kg (11.57 lbs)
 - Large Wall Mount: 9.45 kg (20.83 lbs).

- > To ensure optimum optical system performance, never kink the optical cable or individual fibers
- > Secure patch panel firmly to the wall surface. Depending on the surface, use drywall or concrete anchors if necessary
- > When planning patch panel spacing, allow for future expansion
- > Maintain access clearance to the front of the patch panel at all times
- > Make sure optical fiber slack is secure and will not be pinched upon future access
- > If required, ground the patch panel to the Telecommunications Ground Bus Bar located in the telecommunications room or equipment room.

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.

Installation Tips

- > Prior to installation, read Instructions located inside the patch panel
- > Cable entries are located at the top and the bottom of the equipment and distribution sections of the panel. The entries are provided with a rubber grommet providing protection against dust and other contaminants. The grommets also prevent the cable jacket from being cut by the panel's metallic knock-outs. Once inside the patch panel, ensure that the minimum bend radius of the individual fibers is maintained at all times using the half rings located in the equipment section of the panel. If necessary, use cable ties for proper patch cord dressing in the distribution section of the panel

Ordering Example

1st: Order the universal connector panel

- > For example: one FiberExpress, Small Wall Mount Patch Panel, Black
- > Ordering requirements: quantity one of AX100495.

2nd: Order the universal strips

(from the Universal Optical Fiber Adapter Strips and Adapter Sleeves in section 7.5.6)

- > For example: two double density Universal Optical Fiber Adapter Strips loaded with six 568SC Duplex adapters, Black
- > Ordering requirements: quantity two of AX100098.

Ordering Information

FiberExpress Wall Mount Patch Panel

DETAIL	COLOR	UPC	ORDERING NUMBER
Small	Gray	628575056033	AX100496
Small	Black	628575056026	AX100495
Medium	Gray	628575056385	AX100541
Medium	Black	628575056378	AX100540
Large	Gray	628575056408	AX100543
Large	Black	628575056392	AX100542