BELDEN
SENDING ALL THE RIGHT SIGNALS

DATASheet

GigaFlex PS6+ Patch Panel

AX101613 GigaFlex PS6+ Patch Panel, 2U, 48-port

The GigaFlex PS6+ Patch Panel is a fully loaded patch panel using black GigaFlex PS6+ Modules. The unmatched performance of the GigaFlex PS6+ Module exceeds all parameters specified in the Category 6 standard with transmission performance providing the highest bit rate for UTP cabling in the industry. All performance characteristics including NEXT, FEXT, attenuation and return loss have been set to guarantee transmission performance up to 300 MHz.

The GigaFlex PS6+ Patch Panel completes the Belden IBDN System 2400 and the Belden IBDN System 4800LX product lines with high performance factory assembled patch panel solutions.

Features & Benefits

> Usable bandwidth of up to 300 MHz guaranties extra overhead beyond Category 6 standard

> Unmatched transmission performance supporting data rates of up to 4.8 Gb/s; providing the highest bit rate for UTP cabling in the industry

> Modules are truly backward compatible with Cat 5e to protect cabling investment

> Modules are based on patent-pending Encapsulated Lead Frame Technology providing long term reliability and stability

> Easy to read 568A/B color scheme prevents termination errors

> Panels are available in 24 and 48-port configurations for greater design flexibility and optimization of rack installation

> Robust and installer-friendly design to reduce installation and operating costs

> New textured powder paint finish

> Compatible with standard 19 in. equipment racks, cabinets or wall mount brackets

> Integrated rear cable management bar that can be positioned at different heights (up to 3 levels for the 48-port) to accommodate any installation need

> Velcro ties to facilitate moves, additions and changes and the safe installation of high performance 4800LX and 2400 cables

> All ports numbered on both the front and back of the panel

> Large front labeling space facilitating custom port identification

> Openings for color coded icons

> Matching laser printable labels for clear identification and to ease network management.

Applications

> Horizontal distribution or equipment terminations in Telecommunications Rooms

> Interconnection terminations in consolidation points.

Technical specifications

> Dimensions (H x W x D):

1U panel, 24-port (without modules): 45 x 483 x 13 mm (1.75 x 19 x 0.5 in.)

2U panel, 48-port (without modules): 90 x 483 x 13 mm (3.5 x 19 x 0.5 in.).

> Materials:

Panel: steel, 16 gauge, textured powder paint finish, black

Module holder: fire-retardant plastic, UL94V-0, black.

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Transmission Characteristics

> Exceeds ANSI/TIA/EIA-568-B Category 6 standard.

Installation tips

> Plan the telecommunications room layout prior to patch panel installation

> Allow for future expansion when planning patch panel installation

> Use patch cord management accessories when frequent moves, additions and changes are expected

> Label each port carefully for future reference and ease of location

> Use GigaFlex tool to terminate.

Packaging

> Individually packaged in a cardboard box, including: cable management bar with Velcro ties, printable labels, 2 sets of mounting screws (4x10-32 and 4x12-24 Phillips/slotted) and an Installation Guide.

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

GigaFlex PS6+ Patch Panel

DETAIL	COLOR	PRODUCT CODE	ORDERING NUMBER
1U, 24-port	Black	NXPP6G1U24KB	AX101611
1U, 24-port	Gray	NXPP6G1U24KG	AX101612
2U, 48-port	Black	NXPP6G2U48KB	AX101613
2U, 48-port	Gray	NXPP6G2U48KG	AX101614