



Accelerating Light

Copper Cabling Solutions
Category 6A

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Copper Cabling Solutions

Fibernet designs and manufactures premium, high performance copper communication infrastructure and connectivity solutions for next-generation enterprise networks.

We provide a wide range of Category 6A (CAT.6A) solutions for Data Centers, including Data Communication Cords and Connecting Hardware Components, such as Tool-Less FTP Keystone Jacks, 24 and 48 Ports Keystone Patch Panel, S/FTP Patch Cords for 10G Copper Connections that allow easy deployment and optimized performance. All solutions have independent DELTA laboratory certifications.

Fibernet also offers custom assembled solutions designed according to project requirements that enable even faster deployment and installation.

Our Category 6A products are EC VERIFIED by DELTA EC Cabling Group for the compliance with the following Generic cabling and cabling components standard requirements:

- ISO/IEC 11801:2011 (Ed. 2.2)
- EN 50173-1:2011
- EN 50173-2:2007 including amendment A1:2010
- ANSI:TIA-568-C.2, Category 6A
- IEC 61935-2:2010 (Ed. 3.0) [Patch cords]
- IEC 60603-7-51:2010 [Jacks and Panels]

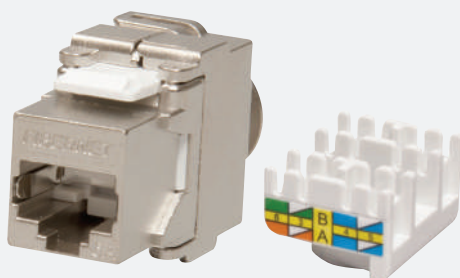


Category 6A Keystone Jacks

Easy to use, tool less, modular Category 6A including Power over Ethernet (POE+) Keystone jack, designed for keystone wall plates or panels.

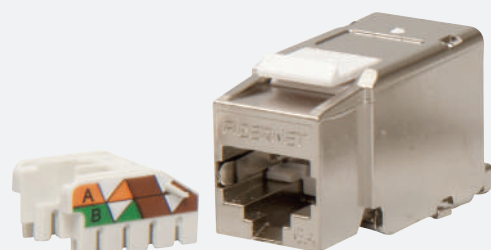
Tool-Less FTP Keystone Jack Features:

- Up to 24 units in 1U 19" panel
- RJ45 female connector
- RoHS Compliant
- UL Verified
- All Plastic parts are Zero Halogen Flame redundant: UL94-V0
- IDC Contacts: 22 - 26AWG



Tool-Less FTP Slim Keystone Jack Features:

- Slim size
- Up to 48 units in 1U 19" panel
- RoHS Compliant
- UL Verified
- All Plastic parts are Zero Halogen Flame redundant: UL94-V0
- IDC Contacts: 22 - 26AWG



Category 6A 24/48 Ports Keystone Patch Panels

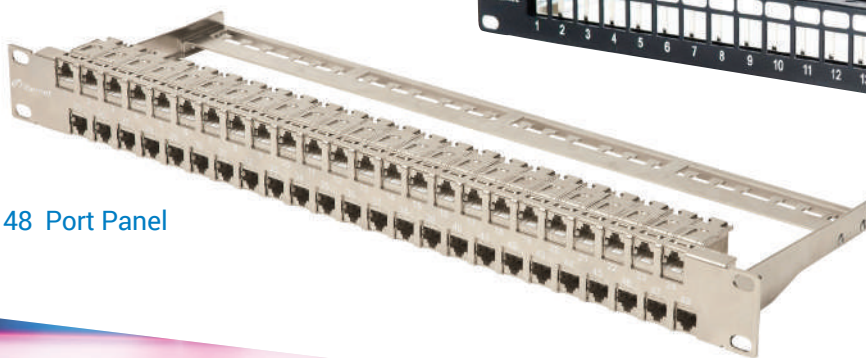
The FTP 1U keystone Category 6A including Power over Ethernet Plus (POE+) patch panel is a high performance, 19" compact High Density panel.

Features:

- Lab tested for all connecting hardware alien crosstalk (PS ANEXT and PS AFEXT) parameters (Tested fully assembled with all Keystone Jacks)
- RoHS Compliant
- UL Verified
- All Plastic parts are Zero Halogen Flame redundant: UL94-V0
- 22-24AWG Cable Compatible

Benefits:

- Compact, space-saving design
- Easy preparation and installation
- Printed port numbers - High density yet easy access to each port
- Rear cabling mount



48 Port Panel



24 Port Panel



Category 6A Patch Cords

The Category 6A patch cord is designated for communication networks connectivity. It is available in various shielding options: U/FTP, F/FTP and S/FTP.

Features:

- RJ-45 connectors
- Four twisted pair of 26 AWG stranded copper wires
- Aluminum polyester foil on each pair
- Overall braided shield
- Outer Diameter: 6.2 ± 0.2 mm
- Tensile Strength: ≥ 1.05
- Operating Temperature: -10°C to $+60^{\circ}\text{C}$
- FR-LSZH jacket
- RoHS Compliant
- UL Verified
- Plug Durability: ≥ 750 Cycles minimum
- Available in various colors

Benefits:

- Best performance – high bandwidth and low noise
- Environmentally safe
- Specifications for a large selection of colors and lengths, up to 20 meters as standard



Category 6A Pre-Terminated Bundle

This pre-terminated copper bundle combines Shielded Category 6A connecting hardware keystone jacks, designed for best permanent link performance. Factory assembled with S/FTP Category 7A multi-cable packing six individually screened cables, each with four individually foil wrapped twisted pairs of 23 AWG solid wires.

Features:

- Six internal S/FTP Category 7A cables, cabled together around a filler member, overall wrapped with a PET tape, and jacketed with an FR-LSZH compound
- Outer diameter of 27.5 mm
- Available with standard keystones or slim keystones
- Cable labeling per customer request
- RoHS compliant to ensure User & Environment safety

Applications:

- Indoor use, fixed installations
- High bandwidth digital applications with low BER
- High data rates
- Data processing and information systems
- Interconnections in digital multiplex equipment



keystone Outlets:

Keystone Outlets are used in buildings to aesthetically connect telecommunication cables to a surface mount box, or a mud ring mounted in the drywall of a building (55 mm in wall mounted boxes).

- Interchangeable labeling
- Wall mounted boxes available with 1 or 2 Fibernet tool-less Category 6A keystone jacks
- 45° angled connection for improved cable handling and long-term durability in wall mounted boxes
- Spring loaded shutter for available port dust protection in wall mounted boxes

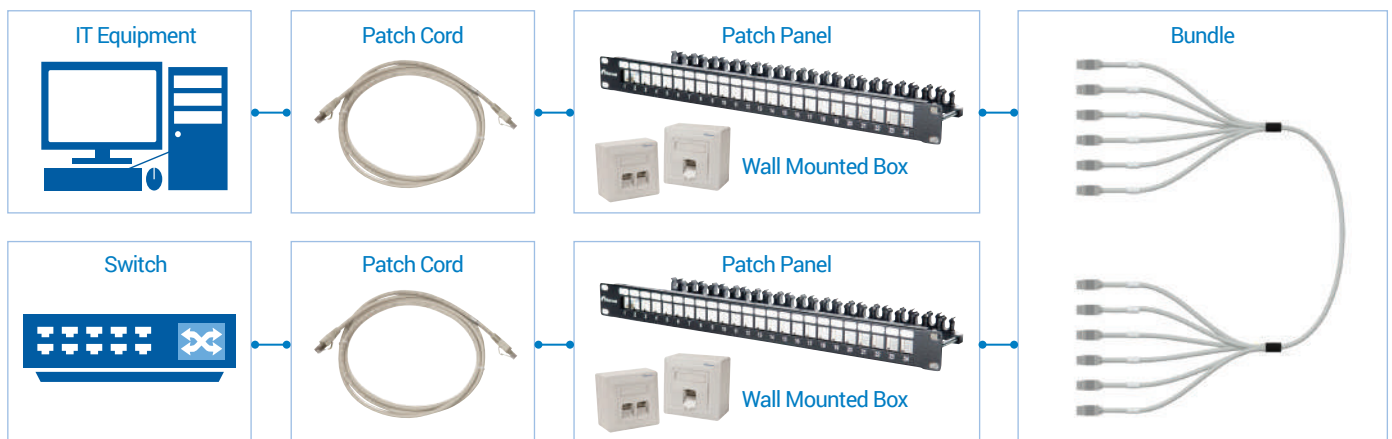


Wall Mounted Boxes



Wall Outlet

Copper Solution Illustration:



DEVELOPMENT

Fibernet's team is at the forefront of fiber optics and electronics technologies with a series of in-house products in addition to working with market leaders to design and develop sophisticated devices from conception to mass-production.

PRODUCTS

Fibernet provides high-quality fiber optics and electronic solutions to diverse industries, enabling them to keep pace with technological innovations, offer faster networks, meet customer expectations and increase profitability.

MANUFACTURING

Fibernet leverages its two decades of fiber-optics and electronics expertise as well as state of the art facilities and equipment to manufacture top quality turn-key solutions in compliance with the strictest international standards.



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