# infilink

## TECHNOLOGIES

*Infinite ways to link...*

SOLUTION CATALOC

# PERFORMANCE WARRANTY

# infilink
## TECHNOLOGIES

As your professional partner, Infilink Technologies offers a 25-year performance warranty directly to you, as the end user, not to the independent system integrator or network specialist who happens to install the network for you.

This warranty distinguishes **Infilink** in the rapidly growing market.

The 25-year warranty applies to premise cabling installations consisting of 100% Infilink products or Infilink-approved products. Systems must be installed by authorized contractors (registered with Infilink).

For further details, please ask for a copy of the Infilink warranty statement.

**Infilink Technologies** is a one-stop shop network solutions manufacturer, offering a complete line of fiber and copper structured cabling solutions suited for the SMB LAN environments. Additionally, Infilink Technologies carries a full range of cabinets, termination tools and other supplemental products. Our design, development, marketing and management team work in close collaboration to ensure excellent products and solutions. These solutions not only meet regional requirements, but also exceed those of well-recognized international standards, such as UL, ISO, IEC and TIA. **Infilink Technologies** solutions covers OS2, OM2 and OM3 standards for fiber and Cat.3 to Cat.6A family in UTP and shielded varieties for copper product line. All **Infilink Technologies** products are available through an extensive network of distributors and partners in each continent. The 25-year end-to-end installation certificate offered by **Infilink Certified Engineers** gives customers the satisfaction and ease of mind for many years to come.

**TRADEMARK STATEMENT**
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**CUSTOMER SUPPORT**
*Infilink Customer Support Services offers a broad selection of programs including extended phone support, upgrades, and parts replacement. For more information, contact us by email at customercare@infilinktechnologies.com. Service and availability may vary by country.*

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# Company Profile

**Infilink Technologies** is a manufacturer of copper and fiber structured cabling solutions for the LAN and MAN (metropolitan area network) environments. Founded in 1998 to address structured cabling requirements within data and telecommunications sectors, the company has now grown into a multinational group with a vast global customer network. With honesty, diligence, solidarity and creativity, the company's leaders have gathered a group of highly qualified and efficient professionals to design, develop, and manufacture structured cabling solutions to meet the current and future requirement of data and telecommunication industries. The company dedicates extensive time and effort to research and development to produce high-quality components by utilising advanced test and inspection of components, in addition to adhering to strict quality control systems. Our goal is to provide high-quality products and unparalleled services, futuristic product development and technological innovation to our valued customers.

## Manufacturing:

**Infilink Technologies** headquarters is centrally located in Northern California with production facilities in both Taiwan and China. Our manufacturing facilities have passed all well-known international standards and carry certificates such as 3P, DELTA, UL, CE, ETL, TIA and RoHS.

## Quality:

**Infilink Technologies** Quality Assurance Management Team understands the importance of component quality in the telecommunications and data sectors. The 19-year knowledge enables the Infilink team to optimise the design criteria to the level that high performance and exceptional quality can be offered at an attractive price range.

## Design and product capabilities:

The company also has manufacturing agreements with several world-renowned fiber manufacturers offering very high annual production capacity. **Infilink Technologies** products are procured by various telecommunication companies and service providers, structured cabling installation companies and large distributors.

## The product line:

**Infilink Technologies** offers high-quality structured cabling and data center solutions, providing warranty according to the client's budget on a particular project.

In order to achieve quicker and better industry development, Infilink Technologies is expanding into the field of optical fiber communications and FTTH to offer unique Infilink product signature in this industry, with the following fiber solution components:

- Connectors
- Adapters
- Patch Cord Assemblies
- Pigtails
- Indoor & Outdoor cables
- Patch Panels
- MPO solutions

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

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# Cat-3 UTP Multi-Pair Telephone Cable

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TECHNOLOGIES

**Infilink** Cat-3 Multipair Cable supports LAN applications utilising bandwidth up to 16MHz Ethernet for telephone system wiring, which is the mandatory minimum cable specified by the FCC for new home constructions in order to ensure broadband capabilities.

INFILINK CAT-3 UTP MULTIPAIR CABLE

## Multipair Voice Cat-3

| | |
|---|---|
| Color | Gray, Ivory, White |
| Package | Wooden Drums |
| Description | Infilink Cat-3 UTP 25, 50, 100 Pairs indoor cable 305m/Roll PE insulation PVC jacket |

Outer Jacket
PE Tape
Insulation
Conductor
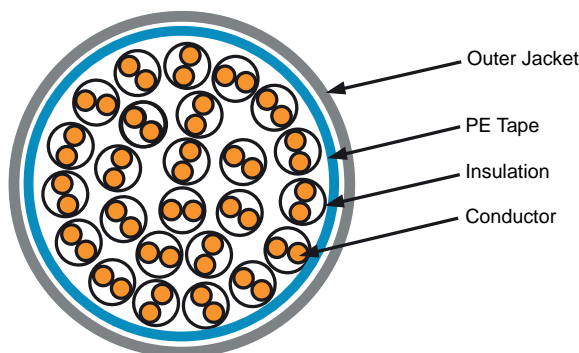
## Key Features

- Tested from 1 to 16 MHz
- Component Compliant to TIA Category 3 cable requirements
- Applications: 10 Base-Token Ring 4/16 Mbps to 25.6 Mbps ATM

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Cat-3 Patch Panels 25, 50 Ports (Voice)
- Infilink Punch Down Tool

## CONSTRUCTION

**1  CONDUCTOR**
Annealed copper wire diameter 0.495±0.008 mm

**2  INSULATION**
Solid polyethylene diameter 0.86±0.02 mm

**3  PAIRS**
Color code:

| | | | | | |
|---|---|---|---|---|---|
| PAIR 1 | BLUE-WHITE | PAIR 10 | GREY-RED | PAIR 19 | BROWN-YELLOW |
| PAIR 2 | ORANGE-WHITE | PAIR 11 | BLUE-BLACK | PAIR 20 | GREY-YELLOW |
| PAIR 3 | GREEN-WHITE | PAIR 12 | ORANGE-BLACK | PAIR 21 | BLUE-PURPLE |
| PAIR 4 | BROWN-WHITE | PAIR 13 | GREEN-BLACK | PAIR 22 | ORANGE-PURPLE |
| PAIR 5 | GREY-WHITE | PAIR 14 | BROWN-BLACK | PAIR 23 | GREEN-PURPLE |
| PAIR 6 | BLUE-RED | PAIR 15 | GREY-BLACK | PAIR 24 | BROWN-PURPLE |
| PAIR 7 | ORANGE-RED | PAIR 16 | BLUE-YELLOW | PAIR 25 | GREY-PURPLE |
| PAIR 8 | GREEN-RED | PAIR 17 | ORANGE-YELLOW | | |
| PAIR 9 | BROWN-RED | PAIR 18 | GREEN-YELLOW | | |

**4  OUTER JACKET RIPCORD**
PVC compound Thickness 0.6 mm Minimum
External diameter 13±0.3 mm

## ORDER CODES

| | |
|---|---|
| Infilink – UTP Cat-3 Solid 25-Pair Cable | IP-CU3P25 |
| Infilink – UTP Cat-3 Solid 50-Pair Cable | IP-CU3P50 |
| Infilink – UTP Cat-3 Solid 100-Pair Cable | IP-CU3P100 |

# Cat-3 25 & 50 Port Voice Patch Panel

**Infilink** Category 3 range of patch panels offers exceptional performance within a very high density format. Its unique design gives full 25 & 50 category 3 ports in a single U rack space.

It provides flexibility, simplicity and fast installation of patch panel. Each patch panel has its own rear cable manager, allowing superior support and protection for the cables.

Manufactured within **Infilink** production facilities under strict quality standards, it offers end users a perfect combination of price, performance and quality.

19 Inch (482.6±0.3mm)
464.8±0.2
6.5±0.2
31.75±0.20
44.0±0.2
11.5±0.2
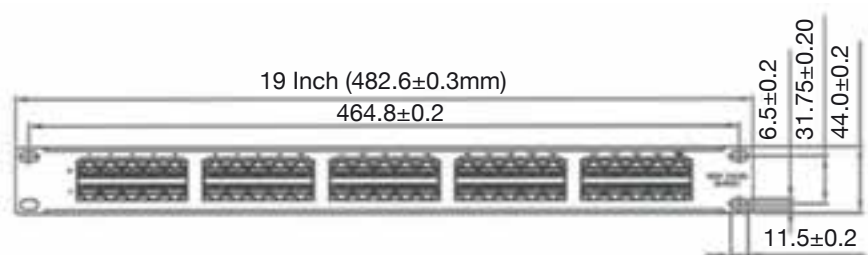
## Key Features

- Allows easy circuit identification using the Infilink labeling
- Integral rear cable management
- In full Compliance with Cat-3 Performance standards
- Fits to any Standard 19" rack
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Cat-3 Multipair Cable
- Infilink Punch Down Tool

## MATERIAL

| | |
|---|---|
| Panel | SPCC 1.2mm thickness with Black (RAL9005) color painted |
| RJ45 Jack Housing | PBT + Fiber Glass (UL94V-0) |
| RJ45 Jack Contact Bracket | PBT + Fiber Glass (UL94V-0) |
| Spring wire | Phosphor Bronze with Nickel plate + Gold Flush on plug contact area |
| IDC housing | PC + Fiber Glass (UL94V-2) |
| IDC terminal | Phosphor Bronze with Tin plate. |
| PCB | CEM-1, UL94V-0 |

## PERFORMANCE

| | |
|---|---|
| Insertion force | 20N max (IEC 6063-7-4) |
| Durability | 750 cycles |
| Conductor Compatibility | 22 ~ 26 AWG stranded and solid wire, compatible with Krone punch down tool. |
| Operating temperature | -10 ~ 60ºC (ISO/IEC 11801, ANSI/TIA 568 B.2) |

## ORDER CODES

| | |
|---|---|
| Infilink- 25-port Cat-3 Patch Panel UTP RJ-45 | IP-PP325 |
| Infilink- 50-port Cat-3 Patch Panel UTP RJ-45 | IP-PP350 |

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

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# Cat-5e Keystone Jack Module

**The affordable and high performance keystone jacks for home and office use that require a termination tool**

The **Infilink** eight-position modular jack offers enhanced performance at both component and channel levels. Additionally, to simplify installation and increase flexibility, the jack enables universal termination in either the T568A or T568B wiring pattern without field installation of labels. The **Infilink** keystone jack can be terminated with any 110-style punch down tool.
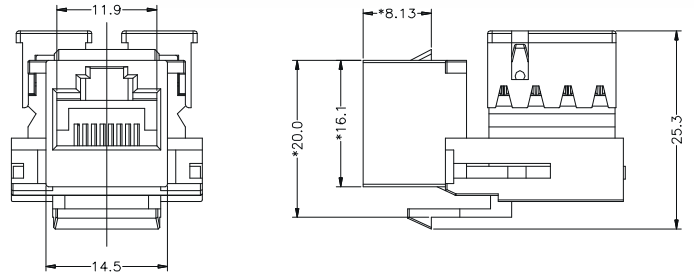
## Key Features

- Fits any Standard Face Plate
- Full Cat-5e Performance
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-5e & 6 Cables
- Infilink RJ-45 Connectors
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink Cat-5e Connectivity
- Infilink Punch Down Tool

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | Housing and insert materials: PC UL 94V-0 |
| **MECHANICAL** | |
| • Plug insertion life | 750 Cycles |
| • Plug and Jack contact force | 100 grams min, using FCC approved plug |
| • Plug retention force | 30 lbs minimum |
| • Wire | AWG 24~26 |
| • Temperature (Storage) | -40ºC to 85ºC |
| • Temperature (operation)) | 0ºC to 70ºC |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Voltage Rating | 125 VAC RMS |
| • Insulation Resistance | 1,000 Mega-Ohm minimum@ 500 VDC |
| • Contact Resistance | 100 Milli-ohm maximum |
| • DIELECTRIC strength | 750 VAC RMS 60Hz, I Min. |
| • Transmission performance | 100 Mbps |
| **STANDARDS** | |
| • FCC | Part 68 |
| • TIA/EIA | 568-B.2 (Category 5 transmission performance) |

## ORDER CODES

| | |
|---|---|
| Infilink-Keystone Cat-5e, Unshielded, 8P8C | IP-KS51 |

# Cat-5e Tool-less
# Keystone Jack Module

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

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**Infilink** eight-position modular jack offers enhanced performance at both component and channel levels. This modular jack offers 45 dB Next and 42 dB Power-SUM Next at 100 Mhz. Additionally, to simplify installation and to offer increased flexibility, the jack allows for universal termination in either the T568A or T568B wiring pattern without field installation of labels. The jack also offers an alternate termination method to traditional 110-style punch downs. A hinged stuffer cap provides the means to lace and press the wire pairs prior to termination. Once the pairs are properly placed and trimmed, the stuffer cap is snapped onto the jack terminals using common pliers. This termination technique provides consistently high performance levels from jack to jack. The tool-less jack eliminates the need for a specialised punch down tool.

## Key Features

• No Termination Tools required
• Fits any Standard Face Plate
• Full Cat-5e Performance
• Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

• Infilink Patch Panels
• Infilink Cat-5e & 6 Cables
• Infilink RJ-45 Connectors
• Infilink Faceplates
• Infilink Wall Boxes
• Infilink Boot Covers
• Infilink Patch Cables
• Infilink Cat-6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | High Impact flame-retardant plastic, UL 94V-0 rated, 50 micro inch gold over 100 micro inch |
| **MECHANICAL** | |
| • Plug insertion life | 750 Cycles |
| • Plug and Jack contact force | 100 grams min, using FCC-approved plug |
| • Plug retention force | 30 lbs minimum |
| • Temperature | -40ºC to 68ºC |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-ohm maximum |
| • Transmission performance | 100 Mbps |
| **STANDARDS** | |
| • UL | UL Certified |
| • FCC | Part 68 |
| • TIA/EIA | 568-B.2 (Category 5 transmission performance) |

### ORDER CODES

| Infilink-Keystone Cat-5e, Unshielded, 8P8C, Tool-Less | IP-KS51-W1 |
|---|---|

# Cat-6 Tool-less Keystone Jack Module

**The affordable and high performance keystone jacks for home and office use that require no termination tools**

The **Infilink** eight-position modular jack offers enhanced performance at both component and channel levels. Additionally, to simplify installation and to offer increased flexibility, the jack allows for universal termination in either the T568A or T568B wiring pattern without field installation of labels.  The jack also offers an alternate termination method to traditional 110-style punch downs. A hinged stuffer cap provides the means to lace and press the wire pairs prior to termination.   Once the pairs are properly placed and trimmed, the stuffer cap is snapped onto the jack terminals using common pliers.   This termination technique provides consistently high performance levels from jack to jack.  The tool-less jack eliminates the need for a specialised punch down tool.

## Key Features

- No Termination Tools required
- Fits any Standard Face Plate
- Full Cat-6 Performance
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-6 Cables
- Infilink RJ-45 Connectors
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | High Impact flame-retardant plastic, UL 94V-0 rated, 60 micro inch gold over 110 micron inch |
| **MECHANICAL** | |
| • Plug insertion life | 750 Cycles |
| • Plug and Jack contact force | 100 grams min, using FCC approved plug |
| • Plug retention force | 30 lbs minimum |
| • Temperature | -40ºC to 68ºC |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-ohm maximum |
| • Transmission performance | 1000 Mbps |
| **STANDARDS** | |
| • UL | UL Verified |
| • FCC | Part 68 |
| • TIA/EIA | 568-B.2-1 (Category 6 transmission performance) |

## ORDER CODES

| | |
|---|---|
| Infilink-Keystone Cat-6, Unshielded, 8P8C, Tool-Less | IP-KS6-W1 |

# Cat-6 Tooled Keystone Jack Module

The **Infilink** eight-position modular jack offers enhanced performance at both component and channel levels. Additionally, to simplify installation and increase flexibility, the jack allows for universal termination in either the T568A or T568B wiring pattern without field installation of labels. The jack offers termination method to traditional 110-style punch downs. A hinged stuffer cap provides the means to lace and press the wire pairs prior to terminating them. Once the pairs are properly placed, by using any 110 punch down tool, you can terminate each of the eight positions of wires one by one. **Infilink** recommends using an **Infilink** punch down (IP-PD001) for termination of this type of **Infilink** Keystone Jack.

## Key Features

- Fits any Standard Face Plate
- Full Cat-6 Performance
- Extended Warranty
- 1000 BASE-TX, 100BASE-T, 10 BASE-T, 155M ATM, POE

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-5e & 6 Cables
- Infilink RJ-45 Connectors
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink Punch Down Tool

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | High Impact flame-retardant plastic, UL 94V-0 rated, RoHS compliant 60 micro inch gold over 110 micron inch lead free |
| **MECHANICAL** | |
| • Plug insertion life | 750 Cycles |
| • Plug and Jack contact force | 100 grams min, using FCC approved plug |
| • Plug retention force | 30 lbs minimum |
| • Temperature | -10$^{o}$C to 60$^{o}$C |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-Ohm maximum |
| • Transmission performance | 1000 Mbps |
| **STANDARDS** | |
| • UL | UL Verified |
| • FCC | Part 68 |
| • TIA/EIA | 568-B.2-1 (Category 6 transmission performance) |
| • ISO/IEC | 11801 2nd edition |

### ORDER CODES

| | |
|---|---|
| Infilink-Keystone Cat-6, Unshielded, 8P8C, Tool-Less | IP-KS6 |

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

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# Cat-6 Tooled Keystone Jack 180°

The **Infilink** eight-position 180° modular jack offers enhanced performance at both component and channel levels, specifically in environments with space constraints and limitations. Additionally, to simplify installation and increase flexibility, the jack allows for universal termination in either the T568A or T568B wiring pattern without field installation of labels. The jack offers an alternate termination method to traditional 110-style punch downs. A hinged stuffer cap provides the means to lace and press the wire pairs prior to terminating them. Once the pairs are properly placed, by using any 110 punch down tool, you can terminate each of eight positions of wires one by one. **Infilink** recommends using an **Infilink** punch down tool (IP-PD001) for terminating this type of **Infilink** Keystone Jack.

## Key Features

- Fits any Standard Face Plate
- Full Cat-6 Performance
- Extended Warranty
- 1000 BASE-TX, 100BASE-T, 10 BASE-T, 155M ATM, POE

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-5e & 6 Cables
- Infilink RJ-45 Connectors
- Infilink Faceplates
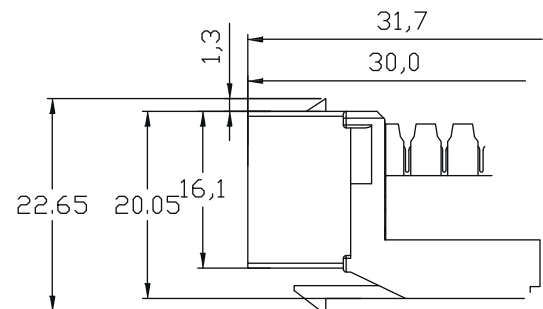- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink Punch Down Tool

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | High Impact flame-retardant plastic, UL 94V-0 rated, 60 micro inch gold over 110 micron inch Lead-free |
| **MECHANICAL** | |
| • Plug insertion life | 750 Cycles Minimum |
| • Plug and Jack contact force | 100 grams min, using FCC approved plug |
| • Plug retention force | 30 lbs minimum |
| • Temperature | -10°C to 60°C |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum at 100 V DC |
| • Contact Resistance | 20 Milli-ohm maximum |
| • Transmission performance | 1000 Mbps |
| **STANDARDS** | |
| • UL | UL Verified |
| • FCC | Part 68 |
| • TIA/EIA | 568-C.2 (Category 6 transmission performance) |
| • ISO/IEC | 11801 2nd edition |

### ORDER CODES

| | |
|---|---|
| Infilink-Keystone Cat-6, Unshielded, 8P8C, Tooled 180° | IP-KS6-180 |

# Infilink RJ45 Security Solution

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

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**Security Solution for RJ45 Plugs in Physical Networks.**

Secures your network infrastructure by blocking out unused or unauthorized RJ45 jacks. Removal requires the use of a specially designed tool (included), which adds an extra level security and prevents vandalism. Installation is easy, and removal will not interfere with the jack contacts or lead to the degradation of network performance.

## PORT LOCK

## Key Features

- Fits any Standard Keystone
- Extended Warranty
- Ultimate Physical Security
- Different Color for variety of solution

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **Unit weight** | 0.02 lb |
| Standard and Compliance | RoHS Compliant |
| Available Color | Pink, Black, Blue, Yellow, Orange, Green |

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-5e & 6 Cables
- Infilink RJ-45 Connectors
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink Punch Down Tool

| ORDER CODES | |
|---|---|
| Infilink Keylock Mechanism for RJ-45 Pink | IP-KLP |
| Infilink Keylock Mechanism for RJ-45 Green | IP-KLG |
| Infilink Keylock Mechanism for RJ-45 Yellow | IP-KLY |
| Infilink Keylock Mechanism for RJ-45 Orange | IP-KLO |
| Infilink RJ45 Security Solution - Pink | IP-SSP |
| Infilink RJ45 Security Solution - Green | IP-SSG |
| Infilink RJ45 Security Solution - Yellow | IP-SSY |
| Infilink RJ45 Security Solution - Orange | IP-SSO |

# Cat-6A SFTP Keystone Jack Module - EZ Tool

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The **Infilink** eight-position EZ tool modular keystone jack features a die-cast housing. This innovative mechanism optimizes the PSANEXT & PSAACR-F which are the most critical criteria outlined by Class EA standard.

PCB route and unique contact alignment provides excellent electrical characteristics in easing the internal magnetic coupling up to bandwidth 500MHz. The jack supports interoperable 10G BASE-T application, backward compatible to any Class E, Class D solution. Press-Fit tech is a unique feature in this jack with no solder, no Pb, Purely RoHS compliant. This EZ tool keystone jack requires special punch down for installation. Easy and fast installation is another key feature of this jack to simplify your network and increase your efficiency.

Compatible with
IP-EZT

High Performance

---

## Key Features

- Special Termination Tools required
- Fits any Standard Face Plate
- Full Cat-6A Performance
- Accommodates 22-24 AWG solid cable
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-6A Cables
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink 6A Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | Housing - Die-Cast Zamak-3, Nickel-Plated<br>60 micro inch gold over 110 micron inch |
| **MECHANICAL** | |
| • Plug insertion life (Mating) | 750 Cycles with FCC-compliant RJ-45 plug |
| • Plug and Jack contact force | 100 grams min, using FCC-approved plug |
| • Plug retention force | 30 lbs minimum |
| • Storage Temperature | -40ºC to 68ºC |
| • Operating Temperature | -10ºC to 60ºC |
| • Operating Humidity | 10%-90%RH |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-Ohm maximum |
| • Transmission performance | 10Gbps |
| **STANDARDS** | |
| • FCC | Part 68 |
| • TIA/EIA | 568-C.2 (Category 6A transmission performance) |
| • UL | 1863 |

### ORDER CODES

| | |
|---|---|
| Infilink Cat.6A High Performance Series Shielded die-cast Keystone Jack 90 Degree compatible with IP-EZT tools | IP-KS6AHPT |

# Cat-6 FTP Keystone Jack Module

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

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**Infilink** Shielded Solutions are ideal for industries where interference is more common or data security is critical. With shielding, internal data signals are securely contained and isolated from Electro Magnetic Interference (EMI) and Radio Frequency Interference (RFI).

The modular solution of Infilink shielded solution not only provides flexibility to the installer, but also drastically shortens termination time. Applicable for horizontal network and voice application in a structured cabling system, including digital video, broadband & baseband analog video. The **Infilink** fully shielded keystone jack offers enhanced performance at both component and channel levels. Additionally, to simplify installation and to offer increased flexibility, the jack enables universal termination in either the T568A or T568B wiring pattern. The jack offers termination method of traditional 110-style and Krone punch downs.

21.3

36.45
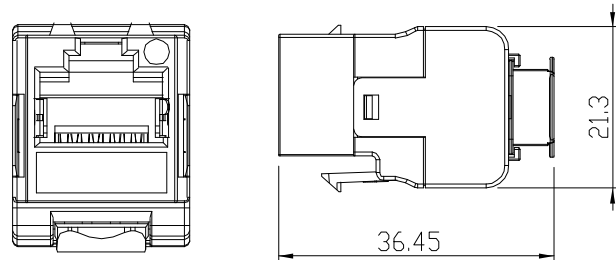
## Key Features

- Robust die-cast zinc alloy housing
- Dual Color coding allows 568A/B wiring
- Cat-6 Channel and Permanent Link performance when installed as a complete Cat-6 Shielded System
- RoHS Compliant
- Cable Holder wire clamp

## Standard Verification

- TIA/EIA-568-C.2
- FCC part 68, Subpart F
- Amendment 1 to ISO/IEC 11801, 2nd Ed.
- EN 50173:2007
- UL 1863

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **Mechanical Characteristics Connector** | • Housing: Zinc Alloy plated Bright Ni/Cu Contact Material: Copper Alloy |
| | • Contact Plating: 1.25 micrometers Au/Ni |
| | • Operating Life: Minimum 750 insertion cycles Contact Force: 100g minimum |
| | • Plug Retention Force: 6.8kg minimum |
| **Electrical Characteristics** | • Interface Resistance: 20mΩ |
| | • Resistance: >100MΩ |
| | • Initial Contact Resistance: 2.5mΩ Insulation |
| | • Minimum back box requirement: 44mm |
| **IDC Connector** | • Housing: Polycarbonate, UL94V-0 rated |
| | • IDC Contact Plating: Tin Matte Finish |
| | • Operating Life: Minimum 20 reterminations |
| | • Contact Force: 100g minimum |
| | • Contact Material: Copper Alloy |
| | • Wire Accommodation: 23 AWG solid |

## ORDER CODES

| | |
|---|---|
| Infilink-Keystone Cat-6, Shielded, 8P8C | IP-KS6S |

# Cat-6A FTP Keystone Jack  Module

The **Infilink** eight-position tool less modular keystone jack features a die-cast housing. This innovative mechanism optimizes the PSANEXT & PSAACR-F which are the most critical criteria outlined by Class EA standard.

PCB route and unique contact alignment provide excellent electrical characteristics in easing the internal magnetic coupling up to 500MHz bandwidth. The jack supports interoperable 10G BASE-T application, backward compatible to any Class E, Class D solution. Press-Fit tech is a unique feature in this jack with no solder, no Pb, Purely RoHS compliant. This tool-less keystone jack requires no punch down for installation. Easy and fast installation is another key feature of this jack to simplify your network and increase your efficiency.

## Key Features

- No Termination Tools required
- Fits any Standard Face Plate
- Full Cat-6A Performance
- Accommodates 22-24 AWG solid cable
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-6A Cables
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink 6A Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | High Impact flame-retardant plastic, UL 94V-0 rated, 60 micro inch gold over 110 micron inch |
| **MECHANICAL** | |
| • Plug insertion life (Mating) | 750 Cycles with FCC compliant RJ-45 plug |
| • Plug and Jack contact force | 100 grams min, using FCC approved plug |
| • Plug retention force | 30 lbs minimum |
| • Storage Temperature | -40ºC to 68ºC |
| • Operating Temperature | -10ºC to 60ºC |
| • Operating Humidity | 10%-90%RH |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-Ohm maximum |
| • Transmission performance | 10,000 Mbps |
| **STANDARDS** | |
| • FCC | Part 68 |
| • TIA/EIA | 568-B.2-1 (Category 6A transmission performance) |

## ORDER CODES

Infilink Cat-6A Keystone Jack, Tool-Less  Shielded, TIA568B RoHS                IP-KS6AS

# Cat-6A UTP Keystone Jack Module

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

The **Infilink** eight-position tool-less modular keystone jack features a die-cast Housing. This innovative mechanism optimises the PSANEXT & PSAACR-F which are the most critical criteria outlined by Class EA standard.

PCB route and unique contact alignment provide excellent electrical characteristics in easing the internal magnetic coupling up to bandwidth 500MHz. The jack supports interoperable 10G BASE-T application, backward compatible to any Class E, Class D solution. Press-Fit tech is a unique feature in this jack with no solder, no Pb, Purely RoHS compliant. This tool-less keystone jack requires no punch down for installation. Easy and fast installation is another key feature of this jack to simplify your network and increase your efficiency.

## Key Features

- No Termination Tools required
- Fits any Standard Face Plate
- Full Cat-6A Performance
- Accommodates 22-24 AWG solid cable
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-6A Cables
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink 6A Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | High Impact flame-retardant plastic, UL 94V-0 rated, 60 micro inch gold over 110 micro inch |
| **MECHANICAL** | |
| • Plug insertion life (Mating) | 750 Cycles with FCC-compliant RJ-45 plug |
| • Plug and Jack contact force | 100 grams min, using FCC-approved plug |
| • Plug retention force | 30 lbs minimum |
| • Storage Temperature | -40ºC to 68ºC |
| • Operating Temperature | -10ºC to 60ºC |
| • Operating Humidity | 10%-90%RH |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-Ohm maximum |
| • Transmission performance | 10,000 Mbps |
| **STANDARDS** | |
| • FCC | Part 68 |
| • TIA/EIA | 568-B.2-1 (Category 6A transmission performance) |

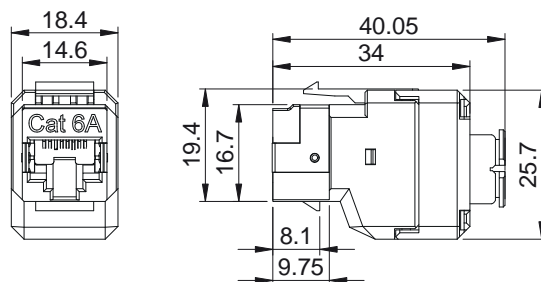| ORDER CODES | |
|---|---|
| Infilink Cat.6A High Performance Series Keystone Jack 180 Degree | IP-KS6AHP180 |
| Infilink Cat.6A High Performance Series Keystone Jack 90 Degree | IP-KS6AHP90 |

# Cat-6 Keystone Jack Module Port Lock

The **Infilink** eight-position tool-less modular keystone jack features a die-cast housing. This innovative mechanism optimizes the PSANEXT & PSAACR-F which are the most critical criteria outlined by Class E standard.

PCB route and unique contact alignment provide excellent electrical characteristics in easing the internal magnetic coupling up to bandwidth 250MHz. The jack supports interoperable 10 BASE-T application, backward compatible to any Class D solution. Press-Fit tech is a unique feature in this jack with no solder, no Pb, Purely RoHS compliant. This tool-less keystone jack requires no punch down for installation. Easy and fast installation is another key feature of this jack to simplify your network and increase your efficiency.

It supports physical security for optimum protection by having special key tools, specially designed for secure application.

## PORT LOCK

## Key Features

- No Termination Tools required
- Fits any Standard Face Plate
- Full Cat-6 Performance
- Accommodates 22-24 AWG solid cable
- Optimum Security
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-6 Cables
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink 6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | High Impact flame-retardant plastic, UL 94V-0 rated, 60 micro inch gold over 110 micron inch |
| **MECHANICAL** | |
| • Plug insertion life (Mating) | 750 Cycles with FCC-compliant RJ-45 plug |
| • Plug and Jack contact force | 100 grams min, using FCC-approved plug |
| • Plug retention force | 30 lbs minimum |
| • Storage Temperature | -40ºC to 68ºC |
| • Operating Temperature | -10ºC to 60ºC |
| • Operating Humidity | 10%-90%RH |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-Ohm maximum |
| • Transmission performance | 10,000 Mbps |
| **STANDARDS** | |
| • FCC | Part 68 |
| • TIA/EIA | 568-B.2-1 (Category 6 transmission performance) |

| ORDER CODES | |
|---|---|
| Infilink Cat-6 Keystone Jack, Tool-Less  Shielded, TIA568B RoHS | IP-6KTVNK-F1MTZ |
| Infilink Secure Key | IP-KEY-M01RDPVCZ |

# Cat-6 Shielded Keystone Jack  Module Port Lock

The **Infilink** eight-position tool-less shielded modular keystone jack features a die-cast housing. This innovative mechanism optimizes the PSANEXT & PSAACR-F which are the most critical criteria outlined by Class E standard.

PCB route and unique contact alignment provide excellent electrical characteristics in easing the internal magnetic coupling up to bandwidth 250MHz. The jack supports interoperable 10 BASE-T application, backward compatible to any Class D solution. Press-Fit tech is a unique feature in this jack with no solder, no Pb, Purely RoHS compliant. This tool-less keystone jack requires no punch down for installation. Easy and fast installation is another key feature of this jack to simplify your network and increase your efficiency.

It supports physical security for optimum protection by having special key tools, specially designed for secure application.

## PORT LOCK

## Key Features

- No Termination Tools required
- Fits any Standard Face Plate
- Full Cat-6 Performance
- Accommodates 22-24 AWG solid cable
- Optimum Security
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-6 Cables
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink 6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | High Impact flame-retardant plastic, UL 94V-0 rated, 60 micro inch gold over 110 micron inch |
| **MECHANICAL** | |
| • Plug insertion life (Mating) | 750 Cycles with FCC-compliant RJ-45 plug |
| • Plug and Jack contact force | 100 grams min, using FCC-approved plug |
| • Plug retention force | 30 lbs minimum |
| • Storage Temperature | -40ºC to 68ºC |
| • Operating Temperature | -10ºC to 60ºC |
| • Operating Humidity | 10%-90%RH |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-Ohm maximum |
| • Transmission performance | 10,000 Mbps |
| **STANDARDS** | |
| • FCC | Part 68 |
| • TIA/EIA | 568-B.2-1 (Category 6 transmission performance) |

## ORDER CODES

| | |
|---|---|
| Infilink Cat-6 Keystone Jack, Tool-Less  Shielded, TIA568B RoHS | IP-6KTVNK-F1MT |
| Infilink Secure Key | IP-KEY-M01RDPVCZ |

# Plug Rescue



QUICK & EASY way to repair your broken Ethernet Plug
Infilink RJ45 Plug Rescue

Why you need Cable Rescue?

Fixes broken jacks with 3 simple steps
No tools required
Restores secure connection immediately
Fits all standard RJ45 modular plugs
In various attractive colors
Fast and easy application
Ideal for color coding existing patch cables



## Key Features

- Fits any Standard Jack
- Ultimate solution for broken tip

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **Color Availability** | Transparent, Red, Blue, Black, Green, Purple, Yellow Orange |

## Companion Products

Consider these related Infilink
products in your network planning

- Infilink Patch Panels
- Infilink Cat-5e & 6 Cables
- Infilink RJ-45 Connectors
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink Punch Down Tool



| ORDER CODES | |
|---|---|
| Infilink-RJ45 Plug Rescue | IP-PR001 |

# Cat-6 Inline Coupler

**infilink**
TECHNOLOGIES

RJ45 Inline Coupler (IDC)
Category 5e or 6 RJ45 Punch-Down In-line Coupler (IDC)

CAT 5E or CAT 6 Punchdown / Krone Coupler White Colour-Coded, Suitable for solid cable Internal Use. The IDC in-line coupler allows you to repair damaged cables, or extend existing cables, using punchdown IDC terminations. It has a removable lid which gives access to two IDC blocks which can be used to join two Category 5e or 6 24AWG solid conductors.

The unit can be screwed to any surface using the fixings supplied or stuck using a double-sided sticky pad.

Available in Category 5e and Category 6.

## Key Features

- Termination Tools required
- Screwed to any surface
- Full Cat-6 and 5e Performance
- Accommodates 22-24 AWG solid cable
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-6A Cables
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink 6A Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | PVC plastic |
| | |
| **MECHANICAL** | |
| • Plug contact | IDC Type |
| • Plug retention force | 30 lbs minimum |
| • Storage Temperature | -40ºC to 68ºC |
| • Operating Temperature | -10ºC to 60ºC |
| • Operating Humidity | 10%-90%RH |
| | |

| ORDER CODES | |
|---|---|
| infilink Cat.6 Inline Coupler Unshielded | IP-ICUS6 |

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

# RJ-45 Male Plug and Boot Covers

## The affordable and high-performance RJ-45 Plugs for home and office use

The **Infilink** eight-position RJ-45 Male Plug offers enhanced performance at both component and channel levels. This RJ-45 Male Plug offers excellent performance in NEXT and Attenuation.

The RJ-45 Male Plug is ideal for termination of modular cords for patching or workstation applications so that modular cords can be terminated to the exact length needed for neater, more organised installations. The plug terminates 24 ~ 26 AWG solid or stranded wires. All Male RJ-45 plugs do carry a 50-micron gold plating.

## Key Features

- Long insertion and durability life cycle
- Ideal for Solid and Stranded cords
- Full Cat-5e Performance
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-5e & 6 Cables
- Infilink RJ-45 Connectors
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Patch Cables
- Infilink Cat-6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | |
| **MECHANICAL** | |
| • Cable-Plug Tensile Strength | 20 lbs min. |
| • Durability | 750 Cycles min. |
| • Temperature | -20ºC to 80ºC |
| • Humidity | 10% - 90% RH |
| **ELECTRICAL** | |
| • Rated Voltage, Current: | 30V AC at 1.5 A |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-Ohm maximum |
| • Dielectric Strength | 1000V AC (RMS) |
| **STANDARDS** | |
| • ANSI/TIA | 1096-A |
| • ISO/IEC | 11801 2nd Edition |
| • FCC | Part 68 |
| • IEC | 6060 3-7 |
| **MATERIAL** | |
| • Housing | Polycarbonate (PC) |
| • Contacts | Copper alloy selective, min. 50-Micron gold over Nickel plating Lead-Free ROHS-Compliant |

### ORDER CODES

| | |
|---|---|
| Infilink-Modular Plug Unsh. 8P8C, for Stranded & round cable Cat-5e pack of 100 | IP-SERJ45 |
| Infilink-RJ45 Boot Cover with Strain Relief Blue | IP-BC-B |
| Infilink-RJ45 Boot Cover with Strain Relief Green | IP-BC-GR |
| Infilink-RJ45 Boot Cover with Strain Relief Gray | IP-BC-GY |
| Infilink-RJ45 Boot Cover with Strain Relief Red | IP-BC-R |
| Infilink-RJ45 Boot Cover with Strain Relief Yellow | IP-BC-Y |

# RJ-45 Male Plug and Boot Covers

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

## infilink TECHNOLOGIES
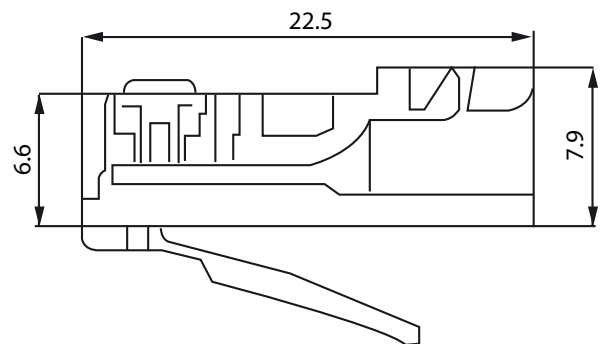
**The affordable and high-performance RJ-45 Plugs for home and office use**

The **Infilink** eight-position RJ-45 Male Plug offers enhanced performance at both component and channel levels.  This RJ-45 Male Plug offers Excellent performance in NEXT and Attenuation.

The RJ-45 Male Plug is ideal for termination of modular cords for patching or workstation applications so that modular cords can be terminated to the exact length needed for neater, more organised installations. The plug terminates 24 ~ 26 AWG solid or stranded wires.  All Male RJ-45 plugs do carry a 50-micron gold plating.

## Key Features

- Long insertion and durability life cycle
- Ideal for Solid and Stranded cords
- Full Cat-6 and Cat-6A Performance
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-5e & 6 Cables
- Infilink RJ-45 Connectors
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Patch Cables
- Infilink Cat-6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | |
| **MECHANICAL** | |
| • Cable-Plug Tensile Strength | 20 lbs min. |
| • Durability | 750 Cycles min. |
| • Temperature | -20ºC to 80ºC |
| • Humidity | 10% - 90% RH |
| **ELECTRICAL** | |
| • Rated Voltage, Current: | 30V AC at 1.5 A |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-Ohm maximum |
| • Dielectric Strength | 1000V AC (RMS) |
| **STANDARDS** | |
| • ANSI/TIA | 1096-A |
| • ISO/IEC | 11801 2nd Edition |
| • FCC | Part 68 |
| • IEC | 6060 3-7 |
| **MATERIAL** | |
| • Housing | Polycarbonate (PC) |
| • Contacts | Copper alloy selective, min. 50-Micron gold over Nickel plating Lead-Free ROHS-Compliant |

### ORDER CODES

| | |
|---|---|
| infilink Cat6.A Jack Module 8P8C with Boot Cover | IP-SERJBC6A45 |
| infilink Cat6 Jack Module 8P8C | IP-SERJ645 |

# Faceplate British Style
# Angled Modular 1 & 2 Port

**The affordable and sleek one and two port faceplates for home and office use.**

At the work area or home, **Infilink** faceplates are designed to mount in either one or two outlet configurations. These faceplates are available in ivory 1 and 2 port straight shuttered and angled modular shuttered varieties and offer a sleek, elegant appearance. Designation labels (included), provide ample circuit identification.

The faceplates can be mounted onto any British-Style back box. Because the couplers can be easily snapped out of the front of the faceplate, the faceplates do not need to be removed after installation, thus making moves, adds, and changes quick and easy. The preventive dust cover with spring on the back side of the shutter will ensure long cycle life and smooth action of the shutter for years to come.

## Key Features

- Allows easy circuit identification using the Infilink labeling
- Shutters
- Protective spring dust cover
- Can be wall-mounted
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-5e & 6 Cables
- Infilink RJ-45 Connectors
- Infilink Keystone Jacks
- Infilink Wall Boxes

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL DIMENSIONS (LxH)** | 86 x 86 (mm) Face Plate |
| **WEIGHT** | 0.20 Kg |

| ORDER CODES | |
|---|---|
| Infilink-Face Plate, 86 x 86 UK Style, Double Port, Angled, Shuttered, Modular | IP-FPAM2P |
| Infilink-Face Plate, 86 x 86 UK Style, Single Port, Angled, Shuttered, Modular | IP-FPAM1P |
| Infilink-1-Port Angled Module Bezel with ID for IP-FPAM1P and IP-FPAM2P | IP-FPAMS1 |
| Infilink-Blank Insert 12.5 X 50mm for IP-FPAM1P and IP-FPAM2P | IP-FPAMB1 |

# Faceplate
# French & British Style

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

**The affordable and sleek one- and two-port faceplates for home and office use**

**Infilink** one-port French style faceplate is designed for home and office use. At the work area or home, **Infilink** French & British style faceplates are designed to mount in single-outlet configurations. These faceplates are shuttered for elegant appearance. Designation labels (included) provide ample circuit identification.
The faceplates can be mounted onto any French or British style back box.

## Key Features

• Fits any Standard Face Plate

• Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

• Infilink Patch Panels
• Infilink Cat-5e & 6 Cables
• Infilink RJ-45 Connectors
• Infilink Faceplates
• Infilink Wall Boxes
• Infilink Boot Covers
• Infilink Patch Cables
• Infilink Cat-6 Connectivity
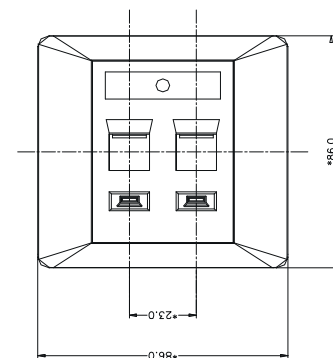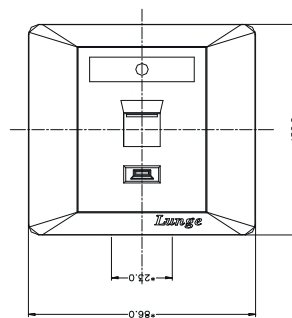
| SPECIFICATIONS | PERFORMANCE |
|---|---|
| MECHANICAL | |
| • Body | ABS |
| • Temperature | - 40$^{o}$C to +70$^{o}$C |

| ORDER CODES | |
|---|---|
| Infilink one-port face plate French style 45X45 | IP-FPFS1P |
| Infilink one-port face plate British style 86X86 | IP-FPBS1P |
| Infilink two-port face plate British style 86X86 | IP-FPBS2P |

# Surface Box Cat-5e Loaded

**The affordable and sleek Surface box for home and office use**

At the work area or home, **Infilink** Surface Box is designed to mount on any wall. These surface boxes are available in ivory single-port loaded with one cat-5e keystone jack and unloaded type with elegant appearance. Designation labels (included), provide ample circuit identification.

The preventive dust cover with spring on the back of the shutter will ensure long cycle life and smooth action of the shutter for years to come.

- Surface mount boxes for adding an Ethernet or Telephone ports
- Connects firmly & durably
- Available in White color

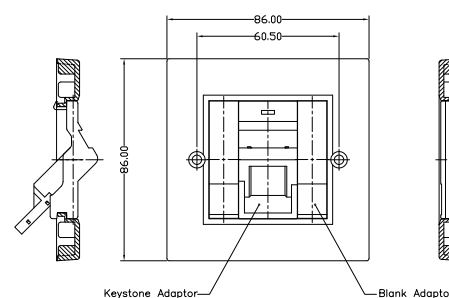IP-SB5E1L

IP-SB5E1P

IP-MBX01

## Key Features

- Allows easy circuit identification using the Infilink labelling
- Shutters
- Protective spring dust cover
- Can be wall-mounted
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning:

Infilink Patch Panels
- Infilink RJ-45 Connectors
- Infilink Keystone Jacks
- Infilink Wall Boxes
- Infilink Face Plates
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink Cat-5e & 6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
| --- | --- |
| PHYSICAL DIMENSIONS (LxH) | 45.3 x 60.3 (mm) Surface Box |
| WEIGHT | 0.20 Kg Surface Box without Keystone Jack Single Port, Wall Mount |
| PHYSICAL DIMENSIONS (LxH) | 86 x 86 (mm) Face Plate |
| WEIGHT | 0.20 Kg |

| ORDER CODES | |
| --- | --- |
| Infilink-Surface Mount Box, Single Port, Wall mount | IP-SB5E1L |
| Infilink Back (Mounting) Box 86X86X43 | IP-MBX01 |
| Infilink-Surface Box, Single Port, Wall mount | IP-SB5E1P |

# Faceplate British Style
# Angled Modular 1 & 2 Port

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

**The affordable and sleek one- and two-port faceplates for home and office use**

At the work area or home, **Infilink** faceplates are designed to mount in either one- or two-outlet configurations. These faceplates are available in ivory 1- and 2-port straight shuttered and angled modular shuttered varieties and offer a sleek, elegant appearance. Designation labels (included), provide ample circuit identification.

The faceplates can be mounted onto any British-Style back box. Because the couplers can be easily snapped out of the front of the faceplate, the faceplates do not need to be removed after installation thus making moves, adds, and changes quick and easy. The preventive dust cover with spring on the back side of the shutter will ensure long cycle life and smooth action of the shutter for years to come.

## Key Features

- Allows easy circuit identification using the Infilink labeling
- Shutters
- Protective spring dust cover
- Can be wall-mounted
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink Cat-5e & 6 Cables
- Infilink RJ-45 Connectors
- Infilink Keystone Jacks
- Infilink Wall Boxes

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| PHYSICAL DIMENSIONS (LxH) | 86 x 86 (mm) Face Plate |
| WEIGHT | 0.20 Kg |

| ORDER CODES | |
|---|---|
| Infilink Face Plate Single Gang 2-Port with Color Icon Angled | IP-FPAMSG2P |
| Infilink Face Plate Single Gang 1-Port with Color Icon Angled | IP-FPAMSG1P |

# Green UTP Cable e-Series (Gigabit)



## Giga Plus CCA UTP 4-pair Solid PVC cable Compliant to Gigabit Ethernet (1000 Base-T) Standard

**Infilink** is pleased to announce the availability of the very latest Economic proofed UTP data cable performing to fully Gigabit Ethernet Applications. **Infilink e-Series** GIGA Plus CCA UTP cable is designed for Gigabit Ethernet & ATM-155 standards! Over the last years in many markets there has been increasing interest in Copper-Clad Aluminum (CCA) wires as a possible way of reducing material costs in certain types of cables. CCA consists of copper cladding surrounding an aluminum core. The most common grade of CCA is 10% CCA, meaning that it contains 10% copper by volume: only 5% of the radial thickness of this grade of CCA is copper and the rest is aluminum, though it contains approximately 43% copper by weight, since copper is a much denser metal than aluminum. 10% CCA has an overall conductivity of 65% IACS, i.e. 65% of the conductivity of an all-copper conductor of the same cross-section, but its average density is only 37% of copper.



## Key Features

- Allows easy circuit identification using the Infilink labeling
- Shutters
- Protective spring dust cover
- Can be wall-mounted
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink Patch Panels
- Infilink RJ-45 Connectors
- Infilink Keystone Jacks
- Infilink Wall Boxes
- Infilink Face Plates
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink Cat-5e & 6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **MECHANICAL** | |
| • Gauge Wire | 23 AWG |
| • Core Diameter (Bare) | 0.574 +/- 0.008 mm |
| • N.O.M. Outside Diameter | 6.30 +/- 0.2 mm |
| • Metal Core Type | Solid |
| • Number of Pairs | 4 |
| • Jacket | PVC |
| | |
| **ELECTRICAL at 250 MHz** | |
| • Attenuation | 31.2 dB/90 meters |
| • Next (Min) | 38.1 dB |
| • PSNext (Min) | 36.4 dB |
| • ELFEXT (Min) | 19.5 dB |
| • PSELFEXT (Min) | 16.4 dB |
| • Return Loss (Min) | 12 dB |
| • ACR | 8.7 dB at 90 meters |
| • PS ACR | 9.8 dB at 90 meters |
| | |
| **LIMITED WARRANTY** | 5 years |
| **STANDARD COMPLIANCES** | ANSI/TIA/EIA-568-B ISO/IEC 11801 |
| **PHYSICAL DIMENSIONS (L x W x H)** | 390 x 390 x 230 |
| **WEIGHT** | 12.4 kg |
| | |
| **ENVIRONMENTAL SPECIFICATIONS** | |
| • Operating Temperature | 0 to 55ºC |
| • Storage Temperature | -20 to 70ºC |
| • Humidity | 10% to 85% RH non-condensing |

| ORDER CODES | |
|---|---|
| E-Series Giga Plus CCA UTP 4-pair | IE-CCA6 |

# Cat-5e UTP PVC Cable
# (Giga Ready)

**The affordable Giga Ready cable for high-performance LAN connections**

**Infilink** is pleased to announce the availability of the very latest in high-grade data cable, performing to fully ratified Cat-5e (Enhanced) specifications for high performance networks.

Exceeding standard data-grade Cat-5 data cable, **Infilink** GIGA READY Cat-5e cable is designed with the very latest network standards in mind, including gigabit Ethernet (1000 BaseTX) and ATM-155. Complete confidence is assured when running Infilink GIGA READY Cat-5e data cable in your network with increased signal reliability and improved signal characteristics compared to stock grade Cat-5e data cable.

Our **Infilink** GIGA READY Cat-5e cable is manufactured according to ETL and UL standards specifications in one of the world's leading cable fabrication facilities maintaining the highest quality of data cable anywhere in the world. **Infilink** GIGA READY Cat-5e cable is not only Gigabit ready, but also ex-stock ready anytime to any destination, in its "easy-pull" box - loved by installers.

# GIGA READY

## Key Features

- Snag-free box
- Full Cat-5e Channel Test compliant
- Meter marked for extra convenience
- 1000 Base –TX
  (Gigabit Ethernet compliant)
- ISO-11801, EIA/TIA 568A,
  EN50173 Compliant
- Exceeds the Category
  5E performance standards
- Full ETL and UL certified

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink RJ-45 Connectors
- Infilink Keystone Jacks
- Infilink Wall Boxes
- Infilink Face Plates
- Infilink Boot Covers
- Infilink Patch Cables

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **Mechanical** | |
| Gauge Wire | 24 AWG |
| Core Diameter | 0.92 mm |
| N.O.M. Outside Diameter | 5.20 mm |
| Metal Core type | Solid |
| Number of Pairs | 4 |
| Jacket | PVC |
| **Electrical at 100 MHz** | |
| Attenuation (Max.) | 22 dB/100 meters |
| Next (Min/Typical) | 40/49 dB |
| PSNext (Min/Typical) | 37/45 dB |
| ELFEXT (Min/Typical) | 24/31 dB |
| PSELFEXT (Min/Typical) | 21/28 dB |
| Return loss (Min.) | 20.1 dB |
| ACR | 27.2 dB at 90 meters |
| PS ACR | 23.2 dB at 90 meters |
| **LIMITED WARRANTY** | 15 Years |
| **STANDARD COMPLIANCES** | ANSI/TIA/EIA-568-A and B |
| | ISO/IEC 11801 |
| | EN50173 Compliant |
| | ETL Compliant |
| | UL Compliant |
| | ISO 9001 |
| **PHYSICAL DIMENSIONS (LxWxH)** | 350 x 215 x 350 (mm) |
| **WEIGHT** | 9.2 KG |
| **ENVIRONMENTAL SPECIFICATIONS** | |
| Operating Temperature | 0 to 55ºC |
| Storage Temperature | -20 to 70ºC |
| Humidity | 10% to 85% RH non-condensing |

## ORDER CODES

| | |
|---|---|
| Infilink – GIGA Ready UTP Cat-5e Solid 24 AWG 4-pair Cable | IP-CU5ePS |

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

# Cat-6 UTP PVC Cable
# (Thunder Series)

**Infilink** is pleased to announce the availability of the very latest in high-grade data cable performing to fully ratified Cat-6 specifications for high-performance networks. Exceeding standard data grade Cat-6 data cable, **Infilink** GIGA READY Cat-6 cable is designed with the very latest network standards in mind including gigabit Ethernet (1000BaseTX) and ATM-155. Complete confidence is assured when running **Infilink** GIGA READY Cat-6 data cable in your network with increased signal reliability and improved signal characteristics compared to stock grade Cat-6 data cable.

Our **Infilink** GIGA READY Cat-6 cable is manufactured according to ETL and CE standards specifications in one of the world's leading cable fabrication facilities maintaining the highest quality of data cable anywhere in the world. **Infilink** GIGA READY Cat-6 cable is not only Gigabit ready, but also ex-stock ready anytime to any destination, in its "easy-pull" box-loved by installers.

## Key Features

- Snag–free box
- Full Cat-6 Channel Test compliant
- Meter marked for extra convenience
- 1000 Base –TX (Gigabit Ethernet compliant)
- ISO-11801, EIA/TIA 568B, EN50173 Compliant
- Exceeds the Category 6 performance standards
- Full ETL and CE Verified

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink RJ-45 Connectors
- Infilink Keystone Jacks
- Infilink Wall Boxes
- Infilink Face Plates
- Infilink Boot Covers

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **MECHANICAL** | |
| Gauge Wire | 23 AWG |
| Core Diameter (Bare) | 0.56 mm |
| N.O.M. Outside Diameter | 6.30 mm |
| Metal Core type | Solid |
| Number of Pairs | 4 |
| Jacket | PVC |
| **ELECTRICAL at 250 MHz** | |
| Attenuation | 32.8 dB/90 meters |
| Next (Min) | 38.3dB |
| PSNext (Min) | 36.3 dB |
| ELFEXT (Min) | 19.8 dB |
| PSELFEXT (Min) | 16.8 dB |
| Return loss (Min) | 17.3 dB |
| ACR | 5.5 dB at 90 meters |
| PS ACR | 3.5 dB at 90 meters |
| **LIMITED WARRANTY** | 15 Years |
| **STANDARD COMPLIANCES** | ANSI/TIA/EIA-568-B |
| | ISO/IEC 11801 |
| | EN50173 Compliant |
| | ETL Verified |
| | CE Verified |
| | ISO 9001 |
| **PHYSICAL DIMENSIONS (LxWxH)** | 330 x 265 x 335 (mm) |
| **WEIGHT** | 14.6 KG |
| **ENVIRONMENTAL SPECIFICATIONS** | |
| Operating Temperature | 0 to 55° C |
| Storage Temperature | -20 to 70ºC |
| Humidity | 10% to 85% RH non-condensing |

| ORDER CODES | |
|---|---|
| Infilink-Cat-6, High Performance ETL, UL, UTP Cable (305 meters) | IP-CU6P |

# Cat-6A UTP PVC Cable
# (HP Series)

**Infilink** is pleased to announce the availability of the very latest in high-grade data cable performing to fully ratified Cat-6A specifications for high-performance networks.

Exceeding standard data grade Cat-6A data cable, **Infilink** 10 G READY Cat-6A cable is designed with the very latest network standards in mind including gigabit Ethernet (10GBase-T). Complete confidence is assured when running **Infilink** 10 G READY Cat-6A data cable in your network with increased signal reliability and improved signal characteristics compared to stock grade Cat-6A data cable.

Our **Infilink** 10 G READY Cat-6A cable is manufactured according to ETL and CE standards specifications in one of the world's leading cable fabrication facilities maintaining the highest quality of data cable anywhere in the world.

## Key Features

- Full Cat-6A Test compliant
- Meter marked for extra convenience
- 10G Base –TX (10 Gigabit Ethernet compliant)
- ISO-11801, EIA/TIA 568B, EN50173 Compliant
- Exceeds the Category 6A performance standards
- Full ETL and CE Verified

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink RJ-45 Connectors
- Infilink Keystone Jacks
- Infilink Wall Boxes
- Infilink Face Plates
- Infilink Boot Covers

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **MECHANICAL** | |
| Gauge Wire | 23 AWG |
| Core Diameter (Bare) | 0.56 mm |
| N.O.M. Outside Diameter | 6.30 mm |
| Metal Core type | Solid |
| Number of Pairs | 4 |
| Jacket | PVC |
| **ELECTRICAL at 250 MHz** | |
| Attenuation | 32.8 dB/90 meters |
| Next (Min) | 38.3dB |
| PSNext (Min) | 36.3 dB |
| ELFEXT (Min) | 19.8 dB |
| PSELFEXT (Min) | 16.8 dB |
| Return loss (Min) | 17.3 dB |
| ACR | 5.5 dB at 90 meters |
| PS ACR | 3.5 dB at 90 meters |
| **LIMITED WARRANTY** | 25 Years |
| **STANDARD COMPLIANCES** | ANSI/TIA/EIA-568-B |
| | ISO/IEC 11801 |
| | EN50173 Compliant |
| | ETL Verified |
| | CE Verified |
| | ISO 9001 |
| **PHYSICAL DIMENSIONS (LxWxH)** | 330 x 265 x 335 (mm) |
| **WEIGHT** | 14.6 KG |
| **ENVIRONMENTAL SPECIFICATIONS** | |
| Operating Temperature | 0 to 55° C |
| Storage Temperature | -20 to 70ºC |
| Humidity | 10% to 85% RH non-condensing |

## ORDER CODES

Infilink-Cat-6A, High Performance  ETL, UL, UTP Cable (305 meters)      IP-CU6AHP

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

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# Cat-6 UTP PVC Cable
## (HP Series)

**Infilink** is pleased to announce the availability of the very latest in high-grade data cable performing to fully ratified Cat-6 specifications for high-performance networks.

Exceeding standard data grade Cat-6 data cable, **Infilink** High Performance Series Cat-6 cable is designed with the very latest network standards in mind, including gigabit Ethernet (1000BaseTX) and ATM-155. Complete confidence is assured when running **Infilink** High Performance Cat-6 data cable in your network with increased signal reliability and improved signal characteristics compared to stock grade Cat-6 data cable.

Our **Infilink** High Performance Cat-6 cable is manufactured according to ETL and CE standards specifications in one of the world's leading cable fabrication facilities maintaining the highest quality of data cable anywhere in the world.

## Key Features

- Full Cat-6 Test compliant
- Meter marked for extra convenience
- 1G Base –TX (Gigabit Ethernet compliant)
- ISO-11801, EIA/TIA 568B, EN50173 Compliant
- Exceeds the Category 6 performance standards
- Full ETL and CE Verified

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Patch Panels
- Infilink RJ-45 Connectors
- Infilink Keystone Jacks
- Infilink Wall Boxes
- Infilink Face Plates
- Infilink Boot Covers

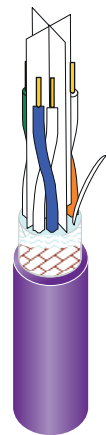| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **MECHANICAL** | |
| Gauge Wire | 23 AWG |
| Core Diameter (Bare) | 0.56 mm |
| N.O.M. Outside Diameter | 6.30 mm |
| Metal Core type | Solid |
| Number of Pairs | 4 |
| Jacket | PVC |
| **ELECTRICAL at 250 MHz** | |
| Attenuation | 32.8 dB/90 meters |
| Next (Min) | 38.3dB |
| PSNext (Min) | 36.3 dB |
| ELFEXT (Min) | 19.8 dB |
| PSELFEXT (Min) | 16.8 dB |
| Return loss (Min) | 17.3 dB |
| ACR | 5.5 dB at 90 meters |
| PS ACR | 3.5 dB at 90 meters |
| **LIMITED WARRANTY** | 15 Years |
| **STANDARD COMPLIANCES** | ANSI/TIA/EIA-568-B |
| | ISO/IEC 11801 |
| | EN50173 Compliant |
| | ETL Verified |
| | CE Verified |
| | ISO 9001 |
| **PHYSICAL DIMENSIONS (LxWxH)** | 330 x 265 x 335 (mm) |
| **WEIGHT** | 14.6 KG |
| **ENVIRONMENTAL SPECIFICATIONS** | |
| Operating Temperature | 0 to 55° C |
| Storage Temperature | -20 to 70°C |
| Humidity | 10% to 85% RH non-condensing |

### ORDER CODES

| | |
|---|---|
| Infilink-Cat-6, High Performance ETL, UL, UTP Cable (305 meters) | IP-CU6HP |

# Cat-5e SFTP Cable (LSZH)

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

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**Infilink** Shielded Solutions is ideal for industries where interference is more common or data security is critical. With shielding, internal data signals are securely contained and isolated from Electro Magnetic Interference (EMI) and Radio Frequency Interference (RFI). The modular solution of Infilink shielded solution, not only provides flexibility to the installer, but also drastically shortens termination time. It is applicable for horizontal network and voice application in a structured cabling system, including digital video, broadband & baseband analog video. Tinned copper braiding is used inside the cable over all the four pairs. A cross filler is cabled in between to separate the four pairs of insulated conductors. The cable is supported by a drain wire to allow for grounding of any excess voltage on the link. The overall jacket is covered with flame-retardant LSZH compound.

## Key Features

- 305 m/1000 ft – Wooden Reel
- Full Cat-5e Channel Test  compliant
- ISO-11801, EIA/TIA 568B
- Exceeds the Category 5e performance standards
- Delta EC Certified

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink Cat-5e Patch Panels
- Infilink Cat-5e Keystone Jacks
- Infilink Wall Boxes
- Infilink Face Plates
- Infilink Cat-5e Patch Cord

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **MECHANICAL** | |
| • Gauge Wire | 24 AWG |
| • Core Diameter (Bare) | 0.51 +/- 0.01 mm |
| • N.O.M. Outside Diameter | 5.99 +/- 0.3 mm |
| • Metal Core Type | Solid |
| • Number of Pairs | 4 |
| • Jacket | LSZH |
| | |
| **ELECTRICAL at 100 MHz** | |
| • Next (Min) | 65.3 dB |
| • PSNext (Min) | 62.3 dB |
| • ELFEXT (Min) | 64.0 dB |
| • PSELFEXT (Min) | 61.0 dB |
| • Return Loss (Min) | 20 dB |
| • Insertion Loss | 1.967dB at 100 meters |
| | |
| **LIMITED WARRANTY** | 5 years |
| **STANDARD COMPLIANCES** | ANSI/TIA/EIA-568-B ISO/IEC 11801 |
| **ENVIRONMENTAL SPECIFICATIONS** | |
| • Operating Temperature | 0 to 50ºC |
| • Storage Temperature | -10 to 50ºC |

## ORDER CODES

| | |
|---|---|
| Infilink Cat-5e SFTP 24AWG 4-Pair Solid Copper Cable LSZH | IP-CSF5 |

# Cat-6A SFTP Cable (LSZH)

**Infilink** Shielded Solutions is ideal for industries where interference is more common or data security is critical. With shielding, internal data signals are securely contained and isolated from Electro Magnetic Interference (EMI) and Radio Frequency Interference (RFI). The modular solution of Infilink shielded solution, not only provides flexibility to the installer, but also drastically shortens termination time. It is applicable for horizontal network and voice application in a structured cabling system, including digital video, broadband & baseband analog video. Tinned copper braiding is used inside the cable over all the four pairs. A cross filler is cabled in between to separate the four pairs of insulated conductors. The cable is supported by a drain wire to allow for grounding of any excess voltage on the link. The overall jacket is covered with flame-retardant LSZH compound.

## Key Features

- 305 m/1000 ft – Wooden Reel
- Full Cat-6A Test  compliant
- ISO-11801, EIA/TIA 568B
- Exceeds the Category 6A performance standards
- Delta EC Certified

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink Cat-6A Patch Panels
- Infilink Cat-6A Keystone Jacks
- Infilink Wall Boxes
- Infilink Face Plates
- Infilink Cat-6A Patch Cord

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **MECHANICAL** | |
| • Gauge Wire | 23 AWG |
| • Core Diameter (Bare) | 0.51 +/- 0.01 mm |
| • N.O.M. Outside Diameter | 5.99 +/- 0.3 mm |
| • Metal Core Type | Solid |
| • Number of Pairs | 4 |
| • Jacket | LSZH |
| | |
| **ELECTRICAL at 100 MHz** | |
| • Next (Min) | 65.3 dB |
| • PSNext (Min) | 62.3 dB |
| • ELFEXT (Min) | 64.0 dB |
| • PSELFEXT (Min) | 61.0 dB |
| • Return Loss (Min) | 20 dB |
| • Insertion Loss | 1.967dB at 100 meters |
| | |
| **LIMITED WARRANTY** | 25 years |
| **STANDARD COMPLIANCES** | ANSI/TIA/EIA-568-B ISO/IEC 11801 |
| **ENVIRONMENTAL SPECIFICATIONS** | |
| • Operating Temperature | 0 to 50ºC |
| • Storage Temperature | -10 to 50ºC |

### ORDER CODES

| | |
|---|---|
| Infilink Cat-6A SFTP 23AWG 4-Pair Solid Copper Cable LSZH | IP-CSF6AHP |

# Cat-6 SFTP Solid Cable (LSZH)

**Infilink** Shielded Solutions is ideal for industries where interference is more common or data security is critical. With shielding, internal data signals are securely contained and isolated from Electro Magnetic Interference (EMI) and Radio Frequency Interference (RFI). The modular solution of Infilink shielded solution, not only provides flexibility to the installer, but also drastically shortens project completion time.
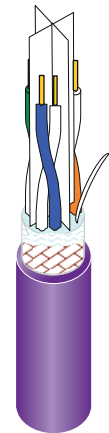
## Key Features

- 305 m/1000 ft – Wooden Reel
- Full Cat-6 Channel Test compliant
- ISO-11801, EIA/TIA 568B
- Exceeds the Category 6 performance standards
- Delta EC Certified

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink Cat-6 Patch Panels
- Infilink Cat-6 Keystone Jacks
- Infilink Wall Boxes
- Infilink Face Plates
- Infilink Cat-6 Patch Cord

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **MECHANICAL** | |
| • Gauge Wire | 23 AWG |
| • Core Diameter (Bare) | 0.56 +/- 0.01 mm |
| • N.O.M. Outside Diameter | 6.30 +/- 0.2 mm |
| • Metal Core Type | Solid |
| • Number of Pairs | 4 |
| • Jacket | LSZH |
| | |
| **ELECTRICAL at 250 MHz** | |
| • Next (Min) | 34.8 dB |
| • PSNext (Min) | 31.8 dB |
| • ELFEXT (Min) | 14.0 dB |
| • PSELFEXT (Min) | 11.0 dB |
| • Return Loss (Min) | 17.3 dB |
| • Insertion Loss | 45.3 dB at 100 meters |
| | |
| **LIMITED WARRANTY** | 5 years |
| **STANDARD COMPLIANCES** | ANSI/TIA/EIA-568-B ISO/IEC 11801 |
| **ENVIRONMENTAL SPECIFICATIONS** | |
| • Operating Temperature | 0 to 50ºC |
| • Storage Temperature | -10 to 50ºC |

| ORDER CODES | |
|---|---|
| Infilink Cat-6 SFTP 23AWG 4-Pair Solid Copper Cable LSZH | IP-CSF6 |

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

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# Cat-6A FFTP Solid Cable (LSZH)

**Infilink** Cat-6A cable operates at frequencies up to 500MHz and will provide up to 10G bit/s bandwidth. It can support future 10G bit/s applications up to a maximum distance of 100 meters on a four-connector channel. It has four twisted pairs of 23-gauge solid copper conductors in 1000 feet (305 meters) in wooden reels. It is compliant with Industry standards TIA/EIA 568-B 2-10. ISO/IEC 11801 compliance meets all Alien crosstalk reduction specification, and is backward compatible with Cat-5e and Cat-6.



Aluminium/PET Tape

Insulated Pair

Overall Aluminium / PET Tape
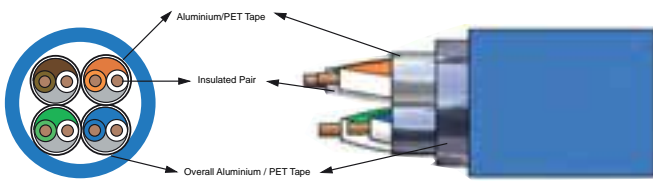
## Key Features

- 305 m/1000 ft – Wooden Reel
- Full Cat-6A Permanent Link Test compliant
- 10G Base –T (10 Gigabit Ethernet compliant)
- ISO-11801, EIA/TIA 568B, Compliant
- Exceeds the Category 6A performance standards
- Delta EC Certified

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink Cat-6A Patch Panels
- Infilink Cat-6A Keystone Jacks
- Infilink Wall Boxes
- Infilink Face Plates
- Infilink Cat-6A Patch Cord
- Infilink Cat-6A Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **MECHANICAL** | |
| • Gauge Wire | 23 AWG |
| • Core Diameter (Bare) | 0.56 +/- 0.01 mm |
| • N.O.M. Outside Diameter | 6.30 +/- 0.2 mm |
| • Metal Core Type | Solid |
| • Number of Pairs | 4 |
| • Jacket | LSHF |
| | |
| **ELECTRICAL at 500 MHz** | |
| • Next (Min) | 34.8 dB |
| • PSNext (Min) | 31.8 dB |
| • ELFEXT (Min) | 14.0 dB |
| • PSELFEXT (Min) | 11.0 dB |
| • Return Loss (Min) | 17.3 dB |
| • Insertion Loss | 45.3 dB at 100 meters |
| | |
| **LIMITED WARRANTY** | 5 years |
| **STANDARD COMPLIANCES** | ANSI/TIA/EIA-568-B ISO/IEC 11801 |
| | |
| **ENVIRONMENTAL SPECIFICATIONS** | |
| • Operating Temperature | 0 to 50ºC |
| • Storage Temperature | -10 to 50ºC |

## ORDER CODES

| | |
|---|---|
| Infilink Cat-6A F-FTP 23AWG 4-Pair Solid Cable LSZH | IP-CFF6A |

# Cat-5e UTP Patch Cord Assemblies

**Infilink** Cat-5e Patch Cord Assemblies come in various colors and sizes. All Patch Cords in this range exceed TIA/EIA-568-A requirements for four-pair (RJ45) unshielded twisted-pair applications. Patch Cords are all of stranded wire type, supported by PVC jacket construction. To protect the RJ-45 connectors and thus increase Patch cable life cycle, booth/covers are inserted at each end.

## Key Features

- Full Cat-5e Channel performance
- Various colors and sizes
- Ideal for Networking and IP Telephony applications
- ETL, UL, TIA/EIA, ISO Compliant
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink RJ-45 Connectors
- Infilink Patch Panels
- Infilink Cat-5e & 6 Cables
- Infilink faceplates
- Infilink Wall Boxes
- Infilink Keystone Jacks
- Infilink Cat-6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
| --- | --- |
| **PHYSICAL** | High Impact flame-retardant plastic, UL 94V-0 rated, 50 micro inch gold over 100 micro inch |
| **ELECTRICAL** | |
| • Rated voltage | 30 V |
| • Rated current | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-ohm maximum |
| • Transmission performance | 100 Mbps |
| • Insulation Resistance | 500 Mega-ohm minimum |
| **STANDARDS** | |
| • ETL & UL | Full ETL and UL certification |
| • TIA/EIA | 568A , EN 50173 compliant |
| • ISO | 11801 |

### ORDER CODES

| | |
| --- | --- |
| Infilink-Patch Cord Assembly, Cat-5e, 0.5 meter, Black | IP-PC505BK |
| Infilink-Patch Cord Assembly, Cat-5e, 0.5 meter, Gray | IP-PC505GY |
| Infilink-Patch Cord Assembly, Cat-5e, 1 meter, Gray | IP-PC510GY |
| Infilink-Patch Cord Assembly, Cat-5e, 1 meter, Green | IP-PC510GR |
| Infilink-Patch Cord Assembly, Cat-5e, 1 meter, Blue | IP-PC510B |
| Infilink-Patch Cord Assembly, Cat-5e, 1 meter, Red | IP-PC510R |
| Infilink-Patch Cord Assembly, Cat-5e, 1 meter, Yellow | IP-PC510Y |
| Infilink-Patch Cord Assembly, Cat-5e, 2 meters, Gray | IP-PC520GY |
| Infilink-Patch Cord Assembly, Cat-5e, 2 meters, Green | IP-PC520GR |
| Infilink-Patch Cord Assembly, Cat-5e, 2 meters, Blue | IP-PC520B |
| Infilink-Patch Cord Assembly, Cat-5e, 2 meters, Red | IP-PC520R |
| Infilink-Patch Cord Assembly, Cat-5e, 2 meters, Yellow | IP-PC520Y |
| Infilink-Patch Cord Assembly, Cat-5e, 3 meters, Gray | IP-PC530GY |
| Infilink-Patch Cord Assembly, Cat-5e, 3 meters, Green | IP-PC530GR |
| Infilink-Patch Cord Assembly, Cat-5e, 3 meters, Blue | IP-PC530B |
| Infilink-Patch Cord Assembly, Cat-5e, 3 meters, Red | IP-PC530R |
| Infilink-Patch Cord Assembly, Cat-5e, 3 meters, Yellow | IP-PC530Y |
| Infilink-Patch Cord Assembly, Cat-5e, 5 meters, Gray | IP-PC550GY |
| Infilink-Patch Cord Assembly, Cat-5e, 10 meters, Gray | IP-PC511GY |

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

# Cat-6 UTP Patch Cord Assemblies

The **Infilink** Thunder Series Cat-6 Patch Cords come in various colors and sizes. All Patch Cords in this range are ETL-verified and do exceed the EIA/TIA 568B standards for 24 AWG stranded conductor unshielded twisted-pair applications, delivering a whopping 250MHz. Patch Cords are all of stranded wire type to increase flexibility and durability and housed by PVC jacket construction. To protect the RJ-45 connectors and thus improve Patch Cord life cycle, a newly designed and revolutionary boot covers are inserted at each end of the patch cord, indicating the length that is being used.

## Key Features

- Full Cat-6 Channel performance
- Various colors and sizes
- Ideal for Gigabit Networking and IP Telephony applications
- ETL, UL, TIA/EIA, ISO Compliant
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink RJ-45 Connectors
- Infilink Patch Panels
- Infilink Cat-5e & 6 Cables
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Keystone Jacks
- Infilink Cat-6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | High Impact flame-retardant plastic, UL 94V-0 rated, 50 micron plated connectors |
| **ELECTRICAL** | |
| • Rated voltage | 30 V |
| • Rated current | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-ohm maximum |
| • Transmission performance | 250 Mbps |
| • Insulation Resistance | 500 Mega-ohm minimum |
| **STANDARDS** | |
| • ETL & UL | Full ETL and UL certification |
| • TIA/EIA | 568B , EN 50173 compliant |
| • ISO | 11801 |

### ORDER CODES

| | |
|---|---|
| Infilink-Patch Cord Assembly, Cat-6, 0.3 meter, Gray | IP-PC603GY |
| Infilink-Patch Cord Assembly, Cat-6, 0.5 meter, Gray | IP-PC605GY |
| Infilink-Patch Cord Assembly, Cat-6, 1 meter, Gray | IP-PC610GY |
| Infilink-Patch Cord Assembly, Cat-6, 1 meter, Black | IP-PC610BK |
| Infilink-Patch Cord Assembly, Cat-6, 1 meter, White | IP-PC610W |
| Infilink-Patch Cord Assembly, Cat-6, 2 meters, Gray | IP-PC620GY |
| Infilink-Patch Cord Assembly, Cat-6, 2 meters, Black | IP-PC620BK |
| Infilink-Patch Cord Assembly, Cat-6, 2 meters, White | IP-PC620W |
| Infilink-Patch Cord Assembly, Cat-6, 3 meters, Gray | IP-PC630GY |
| Infilink-Patch Cord Assembly, Cat-6, 3 meters, Black | IP-PC630BK |
| Infilink-Patch Cord Assembly, Cat-6, 3 meters, White | IP-PC630W |
| Infilink-Patch Cord Assembly, Cat-6, 5 meters, Gray | IP-PC650GY |
| Infilink-Patch Cord Assembly, Cat-6, 10 meters, Gray | IP-PC611GY |

# Cat-6 Shielded Patch Cord Assembilies

The **Infilink** Shielded CAT 6 Patch Cords come in various colors and sizes. All Patch Cords in this range are ETL-verified and do exceed the EIA/TIA 568B standards for 24 AWG stranded conductor unshielded twisted-pair applications, delivering a whopping 250MHz. Patch Cords are all of stranded wire type to increase flexibility and durability and housed by PVC jacket construction. To protect the RJ-45 connectors and thus improve Patch Cord life cycle, newly designed and revolutionary boot covers are inserted at each end of the patch cord, indicating what length is being used.

## Shielded Series

## Key Features

- Full Cat-6 Channel performance
- Various colors and sizes
- Ideal for Gigabit Networking and Industrial environments
- ETL, UL, TIA/EIA, ISO Compliant

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink RJ-45 Connectors
- Infilink Patch Panels
- Infilink Cat-5e & 6 Cables
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Keystone Jacks
- Infilink Cat-6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | High Impact flame-retardant plastic, UL 94V-0 rated, 50-micron plated connectors 23 AWG Core Diameter 0.56mm |
| **ELECTRICAL** | |
| • Rated voltage | 30 V |
| • Rated current | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-ohm maximum |
| • Transmission performance | 1,000 Mbps |
| • Insulation Resistance | 500 Mega-ohm minimum |
| **STANDARDS** | |
| • ETL & UL | Full ETL and UL certification |
| • TIA/EIA | 568B , EN 50173 compliant |
| • ISO | 11801 |

## ORDER CODES

| | |
|---|---|
| Infilink-Patch Cord Assembly, SFTP Cat-6, 0.5 meter, Gray | IP-PCSF605GY |
| Infilink-Patch Cord Assembly, SFTP Cat-6, 1 meter, Gray | IP-PCSF610GY |
| Infilink-Patch Cord Assembly, SFTP Cat-6, 3 meters, Gray | IP-PCSF630GY |
| Infilink-Patch Cord Assembly, SFTP Cat-6, 5 meters, Gray | IP-PCSF650GY |

Company Profile
Voice-Telephone System
Connectors and Outlets
Copper UTP Cables
Copper Shielded Twisted Pair Cables
Copper Cable Assemblies
Copper Patch Panels
Fiber Optic Cables (OM2, OM3, OS1)
Fiber Optic Accessories
Fiber Optics Cable assemblies
Fiber Optic Patch panels and enclosures
Networking Cabinets & Cable management
Data Center Solutions
Tools
Glossary

# Cat-6A Shielded
# Patch Cord Assemblies

*infilink*
TECHNOLOGIES

The **Infilink** **Shielded** Cat-6A Patch Cords come in various colors and sizes. All Patch Cords in this range are Delta EC-verified and do exceed the EIA/TIA 568-B.2-10 standards for 23 AWG stranded conductor shielded twisted-pair applications, delivering a whopping 500MHz. Stranded bare copper conductors are insulated with foam thermoplastics polyolefin. Two insulated conductors are twisted together to form a pair shielded with Aluminum/polyester foil. Four such pairs are cabled together to form the basic unit. Aluminum Polyester Tape overall covers the four pairs. Patch Cords are all of stranded wire type to increase flexibility and durability and are housed by LSZH jacket construction. To protect the RJ-45 connectors and thus improve Patch Cord life cycle, high-quality boot covers are inserted at each end of the patch cord.

**infilink**
S
Cat.6A
Series

**Shielded Series**

## Key Features

- Full Cat-6A Channel performance
- Various colors and sizes
- Ideal for 10Gigabit Networking and Industrial environments
- TIA/EIA, ISO Compliant
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Cat-6A Patch Panel
- Infilink  Cat-6A Cable
- Infilink Faceplates
- Infilink Cat-6A Keystone Jack

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | |
| • Conductor | 26AWG Stranded bare copper |
| • Insulation | Foam PE |
| • Shield | Tinned copper drain wire |
| • Jacket | LSZH |
| • Operating temperature | -10ºC to 60ºC |
| | |
| **ELECTRICAL** | |
| • Max. conductor resistance(ohm/KM@20ºC) | 95 |
| • Max. DC resistance unbalance(%) | 4 |
| • Transmission performance | 10,000 Mbps |
| • Max. mutual capacitance(pF/m) | 56 |
| | |
| **STANDARDS** | 568-B.2-10 |
| • TIA/EIA | 11801 2nd Edition |
| • ISO | |

| ORDER CODES | |
|---|---|
| Infilink-Patch Cord Assembly, F/FTP Cat-6A, 1 meter, LSZH, Yellow | IP-PC610AY |
| Infilink-Patch Cord Assembly, F/FTP Cat-6A, 2 meters, LSZH, Yellow | IP-PC620AY |
| Infilink-Patch Cord Assembly, F/FTP Cat-6A, 3 meters, LSZH, Yellow | IP-PC630AY |

# Cat-5e UTP, Patch Panel 16, 24, 48 Ports

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

At the office work area or in harsh industrial environments, **Infilink** patch panels are designed to mount in any standard 19" width rack. These patch panels offer a sleek, elegant appearance. **Infilink** Enhanced Category 5 Patch Panels meet or exceed all of the proposed TIA requirements for Category 5e. **Infilink** Enhanced Category 5 patch panels simplify inventory management by providing a universal label for both T568A and T568B wiring patterns which allows connection with 22-26 AWG wires and is offered in 48, 24,16 port varieties. The cable ties, mini punch down tool and connector crowns provide tools for better management of cables.
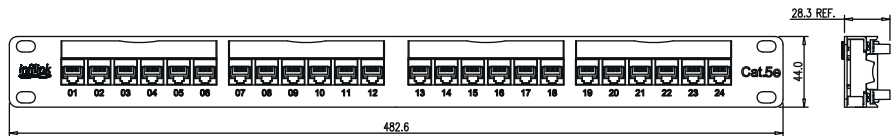
## Key Features

- Allows easy circuit identification using the Infilink labelling
- Crowns to Circuit protection
- In full Compliance with T568A and T568B, Cat-5e Performance standards
- Fits to any Standard 19" rack
- No Termination Tools required
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink Cat-5e & 6 Cables
- Infilink RJ-45 Connectors
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink Cat-6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | (LxH)  19" x 1U |
| **MECHANICAL** | |
| • Plug insertion life | 750 Cycles |
| • Plug and Jack contact force | 100 grams min, using FCC approved plug |
| • Plug retention force | 30 lbs minimum |
| • Temperature | -40$^{o}$C to 68$^{o}$C |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-ohm maximum |
| • Transmission performance | 100 Mbps |
| **STANDARDS** | |
| • UL | UL Certified |
| • FCC | Part 68 |
| • TIA/EIA | 568-B.2 (Category 5e transmission performance) |

| ORDER CODES | |
|---|---|
| Infilink-48 Port Cat-5e Patch Panel UTP RJ-45 | IP-PP5E48 |
| Infilink-24 Port Cat-5e Patch Panel UTP RJ-45 | IP-PP5E24 |
| Infilink-16 Port Cat-5e Patch Panel UTP RJ-45 | IP-PP5E16 |

# Cat-5e FTP Patch Panel

At the office work area or in harsh industrial environments, Infilink FTP Unloaded patch panels are designed to mount in any standard 19" width rack. These patch panels offer a sleek, elegant appearance with Graphite Grey finish. **Infilink** FTP Category 5e patch panels simplify inventory management by providing a universal label for T568B wiring pattern which allow connection with 22-26 AWG wires and are offered in 24-port with integral rear cable management. It is highly recommended to use **Infilink** Shielded Keystone Jacks (i.e IP-KS5S) with this patch panel. Integral rear cable manager controls minimum bend radius of the cable which means better performance for the whole system.

## Shielded Series
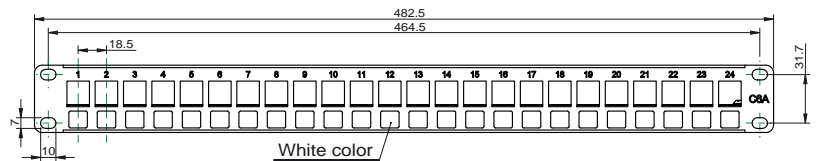
## Key Features

- Allows easy circuit identification using the Infilink labelling
- Integral rear cable management
- In full Compliance with T568-C.2, Cat-5e Performance standards
- Fits to any Standard 19" rack
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Cat-5e Shielded Cables
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Shielded Patch Cords
- Infilink Shielded Cat-5e Keystone Jacks

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL DIMENSIONS (LxH)** | 19" x 1U |
| **MECHANICAL** | |
| • Mating | 750 mating Cycles with FCC-compliant RJ-45 Jack Accommodates 23 AWG solid cable for 200 times termination |
| • Wire accommodation | -10°C to 60°C |
| • Operating Temperature Storage | -10% to 90%RH |
| Temperature Operating Humidity | -10°C to 60°C |
| **STANDARDS** | |
| • UL | UL certified |
| • FCC | Part 68, Subpart F |
| • TIA/EIA | TIA/EIA-568-C.2 |
| • EN | EN 50173 |
| • ISO | ISO/IEC 11801, 2nd Ed. |

## ORDER CODES

| | |
|---|---|
| Infilink-FTP 24-port Cat-5e Patch Panel Unloaded FTP RJ-45 | IP-PP524S |

# Cat-6 UTP Patch Panel 16, 24 & 48 Ports

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

At the office work area or in the harsh industrial environments, **Infilink** patch panels are designed to mount in any standard 19" width rack. These patch panels offer a sleek, elegant appearance. **Infilink** Enhanced Category 6 Patch Panels meet or exceed all of the proposed TIA requirements for the Category 6 standard. **Infilink** Category 6 patch panels simplify inventory management by providing universal labels for T568B wiring patterns which allow connection with 22-26 AWG wires and are offered in 48, 24 and 16 port varieties. The cable ties, mini punch down tool and connector crowns provide tools for better management of cables.

## Features

- Performance exceeds TIA/EIA Category 6 requirements
- Designed for Gigabit Ethernet transmission
- Includes rear wire manager
- Conductors can be terminated with either a KRONE Insertion or 110 tool
- UL 1863 listed and Category 6 performance verified
- Forty-five degree silver-plated IDCs provide secure, reliable gas tight connection
- Includes paper label holder area for port identification
- Universal wiring label for easy termination of either T568A/B

## Key Features

- Crowns to Circuit protection
- In full Compliance with T568B, Cat-6 Performance standards
- Fits to any Standard 19" rack
- No Termination Tools required
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink RJ-45 Connectors
- Infilink Patch Panels
- Infilink Cat-5e & 6 Cables
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Keystone Jacks
- Infilink Cat-6 Connectivity

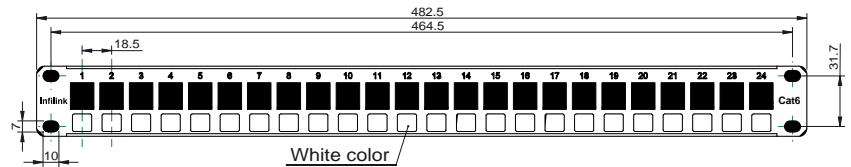| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL (LxH)** | 19" x 1U |
| **MECHANICAL** | |
| • Plug insertion life | 750 Cycles |
| • Plug and Jack contact force | 100 grams min, using FCC-approved plug |
| • Plug retention force | 30 lbs minimum |
| • Temperature | -40°C to 68°C |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-ohm maximum |
| • Transmission performance | 100 Mbps (Max) |
| **STANDARDS** | |
| • UL | UL Certified |
| • FCC | Part 68 |
| • TIA/EIA | 568-B.2 (Category 6 transmission performance) |

## ORDER CODES

| | |
|---|---|
| Infilink-48-Port Cat-6 Patch Panel UTP RJ-45 | IP-PP648 |
| Infilink-24-Port Cat-6 Patch Panel UTP RJ-45 | IP-PP624 |
| Infilink-16-Port Cat-6 Patch Panel UTP RJ-45 | IP-PP616 |
| Infilink-Patch Panel 24-port CAT-6 high performance 110/KRONE | IP-PP624X |

# Cat-6 FTP Patch Panel



Whether in an office work area or in harsh industrial environments, **Infilink** FTP Unloaded patch panels are designed to mount in any standard 19" width rack. These patch panels offer a sleek, elegant appearance with Graphite Gray finish. FTP Category 6 patch panels simplify inventory management by providing a universal label for T568B wiring pattern which allows connection with 22-26 AWG wires and are offered in 24 port with integral rear cable management. It is highly recommended to use **Infilink** Shielded Keystone Jacks (i.e IP-KS6S) with this patch panel. The integral rear cable manager controls the minimum bend radius of the cable and this means better performance for the whole system.



## Key Features

- Allows easy circuit identification using the Infilink labelling
- Integral rear cable management
- In full Compliance with T568-C.2, Cat-6 Performance standards
- Fits to any Standard 19" rack
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Cat-5e & 6 Shielded Cables
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Shielded Patch Cords
- Infilink Shielded Cat-5e & 6 Keystone Jacks

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL DIMENSIONS (LxH)** | 19" x 1U |
| **MECHANICAL** | |
| • Mating | 750 mating Cycles with FCC-compliant RJ-45 Jack Accommodates 23 AWG solid cable for 200 times termination |
| • Wire accommodation | -10ºC to 60ºC |
| • Operating Temperature Storage | -10% to 90%RH |
| Temperature Operating Humidity | -10ºC to 60ºC |
| **STANDARDS** | |
| • UL | UL certified |
| • FCC | Part 68, Subpart F |
| • TIA/EIA | TIA/EIA-568-C.2 |
| • EN | EN 50173 |
| • ISO | ISO/IEC 11801, 2nd Ed. |

### ORDER CODES

| | |
|---|---|
| Infilink-FTP 24-port Cat-6 Patch Panel Unloaded FTP RJ-45 | IP-PP624S |

# Cat-6A FTP Patch Panel

The **Infilink** Cat-6A Patch Panel supports 10 Gigabits applications at 500 MHz frequency. In an office work area or in harsh industrial environments, **Infilink** FTP Unloaded patch panels are designed to mount in any standard 19" width rack. These 24-port patch panels offer a sleek, elegant appearance with Graphite Gray finish.

**Infilink** FTP Category 6A patch panels simplify inventory management by providing universal labels for T568B wiring patterns which allow connection with 22-26 AWG wires and are offered in a 24-port configuration with integral rear cable management. It is highly recommended to use **Infilink** Shielded Keystone Jacks (IP-KS6AS) with this patch panel.
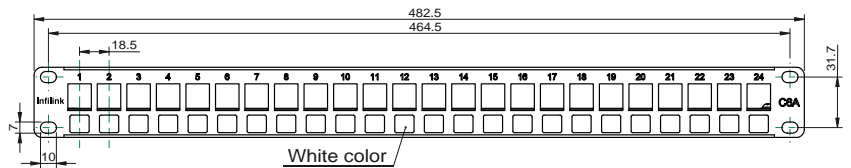
## Key Features

- 10 G Base-T (10 Gigabits Ethernet) compliant
- Allows easy circuit identification using the Infilink labelling
- Integral rear cable management
- In full Compliance with TIA 568-B.2-1 Category 6A transmission performance)
- Fits to any Standard 19" rack
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink Cat-6A Shielded Cables
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Shielded Cat-6A Patch Cords
- Infilink Shielded Cat-6A Keystone Jacks

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL DIMENSIONS (LxH)** | 19" x 1U |
| **MECHANICAL** | |
| • Mating | 750 mating Cycles with FCC-compliant |
| • Wire accommodation | RJ-45 Jack |
| • Operating Temperature Storage Temperature Operating Humidity | Accommodates 23 AWG solid cable for 200 times termination -10ºC to 60ºC -10% to 90%RH -10ºC to 60ºC |
| **STANDARDS** | |
| • FCC | Part 68, Subpart F |
| • TIA/EIA | 568-B.2-1 (Category 6A transmission |
| • EN | performance) |
| • ISO | EN 50173 |
| | ISO/IEC 11801, 2nd Ed. |

### ORDER CODES

| | |
|---|---|
| Infilink-FTP 24-port Cat-6A Patch Panel Unloaded FTP RJ-45 | IP-PP6A24S |

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

# Unloaded Patch Panel 16 port

In an office work area or in harsh industrial environments, **Infilink** patch panels are designed to mount in any standard 19" width rack. These patch panels offer a sleek, elegant appearance. This patch panel has no depth, therefore it is suited to be used as a consolidation point specially in security applications like CCTV that need a small rack or cabinet.

**Infilink** unloaded Patch Panels accept most standard cat-5e and cat-6 keystone jacks. They offer the convenience of enabling IT Managers to have a combination of different types of Key Stone Jacks from different brands at the same time.
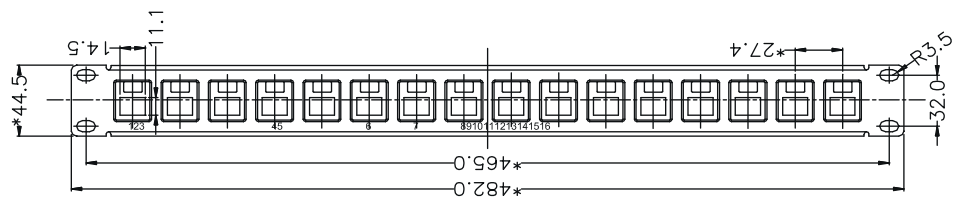
## Key Features

- Allows easy circuit identification using the Infilink labelling
- Fits to any Standard 19" rack
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Cat-5e & 6 Cables
- Infilink RJ-45 Connectors
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink Cat-6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL DIMENSIONS (LxH)** | 19" x 1U |
| **MECHANICAL** | |
| • Mating | 750 mating Cycles with FCC-compliant RJ-45 Jack Accommodates 23 AWG solid cable for 200 times termination |
| • Panel Material | SPCC, T=1.5mm Black Powder coating finish |
| • Station ID | High impact acrylonitrile Butadiene styrene (ABS Resin) |
| • Operating Temperature Storage Temperature Operating Humidity | -10ºC to 60ºC -10% to 90%RH |

### ORDER CODES

| Infilink 16-port unloaded Patch Panel UTP RJ45 | IP-PP16 |
|---|---|

# Multi Use Patch Panel  24 Ports Unloaded

At the office work area or in harsh industrial environments, **Infilink** patch panels are designed to mount in any standard 19" width rack. These patch panels offer a sleek, elegant appearance. **Infilink** Category 6 and 6A Patch Panels meet or exceed all of the proposed TIA requirements for Category 6 and 6A. **Infilink** Category 6 and 6A patch panels simplify inventory management by providing a universal label for both T568A and T568B wiring patterns which allows connection with 22-26 AWG wires and is offered in 24 port varieties. The cable ties, mini punch down tool and connector crowns provide tools for better management of cables.

IP-PPUM24

IP-PP624UMA

IP-PP624SUMA

## Key Features

- Allows easy circuit identification using the Infilink labelling
- Crowns to Circuit protection
- In full Compliance with T568A and T568B, Cat-6 and 6A Performance standards
- Fits to any Standard 19" rack
- No Termination Tools required
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning:
- Infilink Cat-6 & 6A Cables
- Infilink RJ-45 Connectors
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
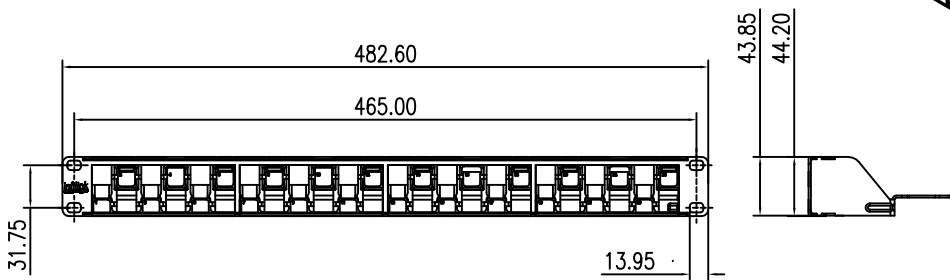- Infilink Patch Cables
- Infilink Cat-6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | (LxH)  19" x 1U & 0.5U |
| **MECHANICAL** | |
| • Plug insertion life | 750 Cycles |
| • Plug and Jack contact force | 100 grams min, using FCC-approved plug |
| • Plug retention force | 30 lbs minimum |
| • Temperature | -40$^o$C to 68$^o$C |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-ohm maximum |
| • Transmission performance | 1 Gbps and 10Gbps |
| **STANDARDS** | |
| • UL | UL Certified |
| • FCC | Part 68 |
| • TIA/EIA | 568-B.2 (Category 6 and 6A transmission performance) |

## ORDER CODES

| | |
|---|---|
| Infilink Patch Panel Unloaded  Multi User Half Unit 24-Port | IP-PPUM24 |
| Infilink 1U 24Port UTP Stagger Angled Patch Panel w Cable Management | |
| Hanger, RoHS, High Performance Series | IP-PP624UMA |
| Infilink 1U 24Port STP Stagger Angled Patch Panel w Cable Management | |
| Hanger, RoHS, High Performance Series | IP-PP624SUMA |

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

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# Cat-6A UTP Snap-In Type Patch Panel 24 Ports

At the office work area or in harsh industrial environments, **Infilink** patch panels are designed to mount in any standard 19" width rack. These patch panels offer a sleek, elegant appearance. **Infilink** High Performance Category 6A Patch Panels meet or exceed all of the proposed TIA requirements for the Category 6A standard. **Infilink** Category 6A patch panels simplify inventory management by providing universal labels for T568B wiring patterns which allow connection with 22-26 AWG wires and are offered in 24 port varieties. The cable ties, mini punch down tool and connector crowns provide tools for better management of cables.
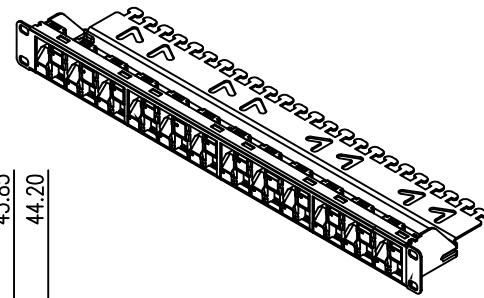
## Key Features

- Special Design to reduce ANEXT
- In full Compliance with T568B, Cat-6A Performance standards
- Fits to any Standard 19" rack
- No Termination Tools required
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink RJ-45 Connectors
- Infilink Patch Panels
- Infilink Cat6 & 6A Cables
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Keystone Jacks
- Infilink Cat-6A Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL (LxH)** | 19" x 1U |
| **MECHANICAL** | |
| • Plug insertion life | 750 Cycles |
| • Plug and Jack contact force | 100 grams min, using FCC-approved plug |
| • Plug retention force | 30 lbs minimum |
| • Temperature | -40°C to 68°C |
| **ELECTRICAL** | |
| • Current Rating | 1.5 Amps |
| • Insulation Resistance | 500 Mega-Ohm minimum |
| • Contact Resistance | 20 Milli-ohm maximum |
| • Transmission performance | 10 Gbps (Max) |
| **STANDARDS** | |
| • UL | UL Certified |
| • FCC | Part 68 |
| • TIA/EIA | 568-B.2 (Category 6A transmission performance) |

## ORDER CODES

| | |
|---|---|
| Infilink 24-Port Cat-6A Patch Panel UTP RJ-45 | IP-PP6A24U |

# Fiber Optic Cable  FTTH 2 Core Indoor Single Mode LSZH

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions
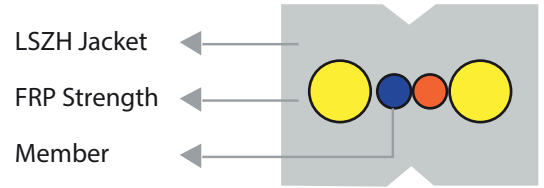
Tools

Glossary

**Infilink's** Flat FTTH Drop Cable is used in high speed and broadband telecommunication indoor applications.

It contains two general-purpose single-mode fibers FTTH indoor LAN cable, suitable for installation in villas, multi dwelling units, home short-distance data transmission.

The indoor fiber construction is comprised of white optical fibers, two parallel FRP (Fiber Reinforced Plastic) strength members and an LSZH Jacket.

These lightweight cables have excellent crush and impact resistance properties.

**Infilink** Flat FTTH cable meets EIA-TIA 455 and IEC-60794. Optical characteristics of the cable meets ISO/IEC 11801 standard.

LSZH Jacket

FRP Strength

Member

| Items | Units | Specifications |
|---|---|---|
| Attenuation | dB/km | ≤0.36 at 1310nm |
| | | ≤0.3 at 1550nm |
| Chromatic Dispersion | Ps/nm.km | ≤3.5 at 1285~1330nm |
| | | ≤18.0 at 1550nm |
| Zero Dispersion Wavelength | Nm | 1302~1322 |
| Zero Dispersion Slope | Ps/nm.km | ≤0.095 |
| Cut-off  Wavelength | Nm | ≤1260 |
| Mode Field Diameter (MFD) | Um | 1310      9.2±0.4 |
| | | 1550  10.4±0.8 |
| Mode Field Concentricity | Um | ≤0.8 |
| Cladding Diameter | um | 125±1.0 |
| Cladding Non-circularity | % | ≤1 |
| Coating Cladding concentricity error | Um | ≤12 |
| Coating Diameter | um | 245±1.0 |
| Proof test | kpsi | ≥100 |
| Temperature range Storage/Shipping | C° | -10° -- +60° |
| Temperature range Operating | C° | -10° -- +60° |
| Min. Bending Radius (mm) | Dynamic(mm) | 20H |
| Min. Bending Radius (mm) | Static(mm) | 10H |
| Max. Tension (N) | Short-term(N) | 100 |
| Max. Tension (N) | Long-term(N) | 50 |
| Max. Crushing Resistance | N/100mm2 | 1000 |
| No. of fiber | | 2 |
| Fiber model no. | | Single mode: G.652 |
| Fiber color | | Blue, orange |
| Outer diameter of color coating | | 250±15um |
| Dielectric strength member | | FRP |
| Jacket | | LSZH |
| Colour of Jacket | | White |
| Size of optical fiber cable | width (mm) | 3.1±0.2 |
| | height (mm) | 1.9±0.2 |

### Packing and markings

Printings on optical fiber cable
Black printings are printed at intervals of 1 meter with the following information.
1. Meter marks
2. Type of cable and fiber count
3. Infilink name
4. Year of manufacture

### ORDER CODES

| Description | Weight (Kg) | |
|---|---|---|
| Infilink FO Indoor Cable 2Core  9/125 LSZH 1KM/Reel | 9 | IP-FR29Y1 |
| Infilink FO Indoor Cable 2Core  9/125 LSZH 2KM/Reel | 18 | IP-FR29Y2 |

*All Infilink FO cables come with separate OTDR test report*

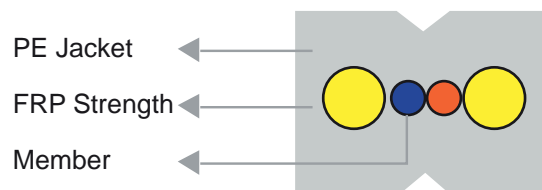# Fiber Optic Cable FTTH 2 Core Outdoor Single Mode PE

**Infilink** Flat FTTH Drop Cable is used in high speed and broadband telecommunication outdoor applications.

Outdoor FTTH flat cable construction is similar to the indoor cable, except the cable jacket is made of flame retardant Black PE.

Fiber used in these cables is bend-insensitive so it can be used in applications with multiple bends.

These lightweight cables have excellent crush and impact resistance properties.

**Infilink** Flat FTTH cable meets EIA-TIA 455 and IEC-60794. Optical characteristics of the cable meet ISO/IEC 11801 standard.

PE Jacket

FRP Strength

Member

| Items | Units | Specifications |
|---|---|---|
| Attenuation | dB/km | ≤0.36 at 1310nm |
| | | ≤0.3 at 1550nm |
| Chromatic Dispersion | Ps/nm.km | ≤3.5 at 1285~1330nm |
| | | ≤18.0 at 1550nm |
| Zero Dispersion Wavelength | Nm | 1302~1322 |
| Zero Dispersion Slope | Ps/nm.km | ≤0.095 |
| Cut-off  Wavelength | Nm | ≤1260 |
| Mode Field Diameter (MFD) | Um | 1310      9.2±0.4 |
| | | 1550  10.4±0.8 |
| Mode Field Concentricity | Um | ≤0.8 |
| Cladding Diameter | um | 125±1.0 |
| Cladding Non-circularity | % | ≤1 |
| Coating Cladding concentricity error | Um | ≤12 |
| Coating Diameter | um | 245±1.0 |
| Proof test | kpsi | ≥100 |
| | | |
| Temperature range Storage/Shipping | C° | -10° -- +75° |
| Operating temperature range (Operating) | C° | -10° -- +75° |
| Min. Bending Radius (mm) | Dynamic(mm) | 20H |
| Min. Bending Radius (mm) | Static(mm) | 10H |
| Max. Tension (N) | Short-term(N) | 80 |
| Max. Tension (N) | Long-term(N) | 40 |
| Max. Crushing Resistance | N/100mm2 | 500 |
| No. of fiber | | 2 |
| Fiber model no. | | Single mode: G.652 |
| Fiber color | | Blue, orange |
| Outer diameter of color coating | | 250±15um |
| Dielectric strength member | | FRP |
| Jacket | | PE |
| Colour of Jacket | | Black |
| Size of optical fiber cable width | mm | 3.1±0.2 |
| height | mm | 1.9±0.2 |

### Packing and markings

Printings on optical fiber cable
Black printings are printed at intervals of 1 meter with the following information.
1. Meter marks
2. Type of cable and fiber count
3. Infilink name
4. Year of manufacture

### ORDER CODES

| Description | Weight (Kg) | |
|---|---|---|
| Infilink FO Outdoor Cable 2Core  9/125 PE 1KM/RL | 9 | IP-FR29X1 |
| Infilink FO Outdoor Cable 2Core  9/125 PE 2KM/RL | 18 | IP-FR29X2 |

*All Infilink FO cables come with separate OTDR test report*

www.InfilinkTechnologies.com

# Fiber Optic Cable 2 Core Indoor Multimode Zipcord

Designed for easy installation and high performance, **Infilink** ZipCord Low Smoke Zero Halogen (LSZH) cables are reliable indoor applications especially on the horizontal (fiber to desk) where space is limited. Additionally these ZipCords can be utilised for Patch Cord assembly. The ZipCord comes in Multimode varieties.

**Infilink** ZipCord Optical Fiber Cable Features:
- Low insertion loss
- High return loss (low amounts of reflection at the interface)
- Ease of installation
- High reliability
- Low environmental sensitivity
- LSZH



Out Jacket
Aramid Yarn
0.9mm Buffered
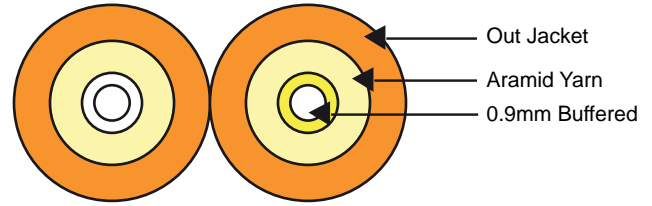
| Items | | Specifications |
|---|---|---|
| 1 | Fiber Count | 2 |
| 2 | Fiber Characteristic | OD: 242±7 um |
| 3 | Tight buffered: | |
| | Material | environmental protected PVC |
| | OD | 0.87±0.05 mm |
| | Thickness | 0.31±0.02 mm |
| | Color | Multimode (natural, orange) |
| 4 | Out jacket | |
| | Thickness | 0.33±0.04 mm |
| | Material | LSZH |
| | OD | (1.82 - 1.98)×(3.9 - 4.3) |

| Fiber property: | | | | |
|---|---|---|---|---|
| | Fiber mode | Unit | | Multimode 50/125 |
| | Condition | nm | | 850/1300 |
| | Attenuation | dB/km | | 3.5/1.5 |
| Dispersion | 1550nm | ps(nm·km) | | ----- |
| | 1625nm | ps(nm·km) | | ----- |
| Bandwidth | 850nm | MHZ·.km | | ≥200 |
| | 1300nm | MHZ. ·km | | ≥200 |
| | | | | |
| Application: | | | | |
| | Temperature range | ºC | | -20ºC- |
| | | | | +70ºC |
| | Nominal Weight | 'g/m | | 8.8 |
| Min. Bending Radius (mm) | Dynamic | mm | | 20H |
| Min. Bending Radius (mm) | Static | mm | | 10H |
| Max. Tensile strength (N) | Short-term | N | | 200 |
| Max. Tensile strength (N) | Long-term | N | | 100 |
| | | | | |
| Max. Crushing Resistance (N/100mm2) | | N/100mm2 | 1000 | |

## Packing and Markings

Printings on optical fiber cable
Black printings are printed at intervals of 1 meter with the following information.
1. Meter marks
2. Type of cable and fiber count
3. Infilink name
4. Year of manufacture

## ORDER CODES

| Description | Weight (Kg) | |
|---|---|---|
| Infilink FO Indoor Cable 2Core Zipcord 9/125 LSZH 1KM/RL | 9 | IP-FR29C1 |
| Infilink FO Indoor Cable 2Core Zipcord 9/125 LSZH 2KM/RL | 18 | IP-FR29C2 |

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

*All Infilink FO cables come with separate OTDR test report*

# Fiber Optic Cable Tight Buffered
# 4-48 Cores Indoor SM & MM LSZH

With superior technology and profile control, **Infilink** Tight Buffer OS1, OM2 and OM3 fibers revolutionise performance in local area networks, storage area networks, and central office interconnects. The **Infilink** Tight Buffer cable is designed with 900µm buffered structure for making easy connections. Its dry structure is perfect for risers and horizontal deployment as well as in duct applications (by pulling).

**Infilink** Tight Buffer Optical Fiber Cable Features:

- Indoor cable
- Suitable for use in ducts or risers
- Designed for direct connectorization
- All dielectric design
- LSZH Outer Sheath
- 4 to 48 fibers
- Compact design
- Optical fiber coated 900µm
- Aramid yarns reinforcement



Kevlar
TBF
Jacket
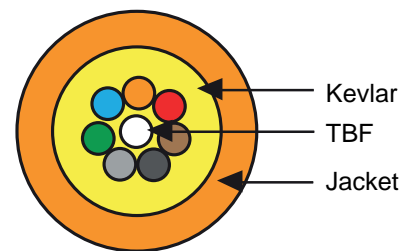


| Mechanical Characteristics | OS1 | OM2 | OM3 |
|---|---|---|---|
| Attenuation | OS1 | OM2 | OM3 |
| Tight Buffer Fiber diameter | 0.87±0.05mm | 0.87±0.05mm | 0.87±0.05mm |
| Fiber Diameter | 242+-7 um | 242+-7 um | 242+-7 um |
| Min. Bending Radius Dynamic(mm) | 20 | 20 | 20 |
| Min. Bending Radius Static(mm) | 10 | 10 | 10 |
| Max. Tensile(N) Short Term | 480 | 480 | 480 |
| Max. Tensile(N) Long Term | 160 | 160 | 160 |
| Max. Crush Resistance(N/100mm2) | 1000 | 1000 | 1000 |
| Climate Characteristics | OS1 | OM2 | OM3 |
| Storage Temprature | -20 to 70 | -20 to 70 | -20 to 70 |
| Installation/Operating Temprature | -5 to 55 | -5 to 55 | -5 to 55 |
| Halogen-free | | | |
| **Optical Characteristics** | **OS1** | **OM2** | **OM3** |
| Frequecny | 1310/1550 | 850/1300 | 850/1300 |
| Attenuation(dB/KM) | 0.36/0.23 | 3.0/1.0 | 3.0/1.0 |
| Dispersion 1550nm PS(nm.KM) | <=18 | | |
| Dispersion 1625nm PS(nm.KM) | <=22 | | |
| Bandwidth 850nm (MHZ.KM) | | >=200 | >=1500 |
| Bandwidth 1300nm (MHZ.KM) | | >=400 | >=500 |
| **Application** OS1, OM2 and OM3 Indoor cabling | | | |

| number of fibers | Cable diameter(mm) | Cable Color | Weight(Kg)/KM | |
|---|---|---|---|---|
| **OM2** | | | | |
| 4 | 6.0+-0.20 | Orange | 32 | IP-FR51Y4 |
| 6 | 6.0+-0.20 | Orange | 32 | IP-FR51Y6 |
| 8 | 6.0+-0.20 | Orange | 32 | IP-FR51Y8 |
| 12 | 8.0+-0.25 | Orange | 37 | IP-FR51Y12 |
| 24 | 8.0+-0.25 | Orange | 43 | IP-FR51Y24 |
| 48 | 8.0+-0.25 | Orange | 52 | IP-FR51Y48 |
| **OM3** | | | | |
| 4 | 6.0+-0.20 | Orange | 32 | IP-FR51X4 |
| 6 | 6.0+-0.20 | Orange | 32 | IP-FR51X6 |
| 8 | 6.0+-0.20 | Orange | 32 | IP-FR51X8 |
| 12 | 8.0+-0.25 | Orange | 37 | IP-FR51X12 |
| 24 | 8.0+-0.25 | Orange | 43 | IP-FR51X24 |
| 48 | 8.0+-0.25 | Orange | 52 | IP-FR51X48 |
| **OS1** | | | | |
| 4 | 6.0+-0.20 | Yellow | 32 | IP-FR91Y4 |
| 6 | 6.0+-0.20 | Yellow | 32 | IP-FR91Y6 |
| 8 | 6.0+-0.20 | Yellow | 32 | IP-FR91Y8 |
| 12 | 8.0+-0.25 | Yellow | 37 | IP-FR91Y12 |
| 24 | 8.0+-0.25 | Yellow | 43 | IP-FR91Y24 |
| 48 | 8.0+-0.25 | Yellow | 52 | IP-FR91Y48 |
| **Packing and markings** | | | | |
| Printings on optical fiber cable | | | | |
| Black printings are printed at intervals of 1 meter with the following information. | | | | |
| 1. Meter marks | | | | |
| 2. Type of cable and fiber count | | | | |
| 3. Infilink name | | | | |
| 4. Year of manufacture | | | | |

# Fiber Optic Cable Loose Tube 2-12 Core Indoor/Outdoor SM & MM

**Infilink** indoor/outdoor loose tube fiber optic cable is a dry core cable with moisture-blocking gel inside the thermoplastic buffer tube. The individually coloured 250 um fibers are surrounded by gel for moisture resistance, as well as protection against thermal expansion and contraction over the operating temperature range. The UV-resistant thermoplastic jacket protects the cable's life cycle in direct sunlight conditions.

**Infilink** indoor/outdoor loose tube fiber cables are offered in all grades of multimode and single-mode from 2 to 12 fibers.

Infilink indoor/outdoor loose tube fiber cables' features:

- 2 to 12 Fiber Counts Available
- Low Smoke Zero-Halogen Jacket
- Outdoor Applications where Gel-Filled Cables are Suitable for Best Water-Blocking
- Indoor/Outdoor Applications where Termination via Pigtail Splicing is Preferred
- Suitable for Lashed Aerial, Duct, Underground Conduit and Indoor Riser Applications



Out Jacket
Fiber
Aramid Yarn
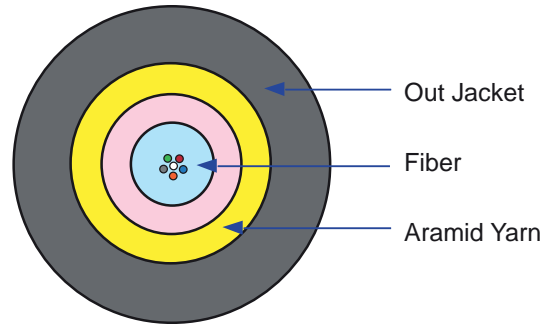
| | Items | Specifications |
|---|---|---|
| 1 | Fiber Count | 2 to 12 |
| 2 | Fiber Characteristic | according to the standard chromatogram |
| 3 | Outer diameter of PBT tube | 3.0±0.1mm |
| 4 | Aramid yarn | |
| 5 | Out jacket | |
| | Material | LSZH |
| | OD | 6.5±0.3mm |

| Fiber mode | Unit | Single mode | Multimode | Multimode | Multimode | |
|---|---|---|---|---|---|---|
| | | fiber G652B | fiber 50/125 | fiber 62.5/125 | fiber OM3 300 | |
| Condition | nm | 1310/1550 | 850/1300 | 850/1300 | 850/1300 | |
| Attenuation | dB/km | 0.36/0.23 | 3.5/1.5 | 3.5/1.5 | 3.5/1.5 | |
| Dispersion | 1550nm | ps(nm·km) | ≤18 | ----- | ----- | ----- |
| | 1625nm | ps(nm·km) | ≤22 | ----- | ----- | ----- |
| Bandwidth | 850nm | MHZ·.km | ----- | ≥200 | ≥160 | ≥1500 |
| | 1300nm | MHZ. ·km | ----- | ≥200 | ≥200 | ≥500 |

| Application: | | | |
|---|---|---|---|
| Temperature range | | $^\circ$C | -40$^\circ$-- +70$^\circ$ |
| Nominal weight | | 'g/m | LSZH:55 |
| Min.Bending Radius (mm) | Dynamic | mm | 20H |
| Min.Bending Radius (mm) | Static | mm | 10H |
| Max.Tension (N) | Long-term | N | 500 |
| | Short-term | N | 1200 |

## Packing and markings

Printings on optical fiber cable
Black printings are printed at intervals of 1 meter with the following information.
1. Meter marks
2. Type of cable and fiber count
3. Infilink name
4. Year of manufacture

## ORDER CODES

| Description | Weight (Kg) | |
|---|---|---|
| Infilink FOCable12CoreLooseTubeSM9/125 (OS1)Armrd-1KM | 9 | IP-FR98Y12-1 |
| Infilink FOCable12CoreLooseTubeSM9/125 (OS1)Armrd-2K | 18 | IP-FR98Y12-2 |

*All Infilink FO cables come with separate OTDR test report*

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

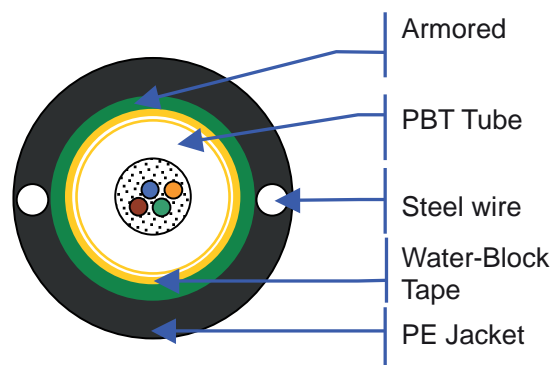Data Center Solutions

Tools

Glossary

# Fiber Optic Cable  Loose Tube 2-12 Core Outdoor Steel Wire Armored

**Infilink** indoor/outdoor armored single loose tube cables are designed to meet all the rigours of the outside plant environment, and have the necessary ratings to be installed inside the building. These cables eliminate the messy gel filler of traditional loose tube style cables with super absorbent polymers. The installer can place the cable anywhere in the network, bypassing the traditional transition points required in most installations. Cables are available with fiber counts 12 in a single tube.

**Infilink** indoor/outdoor armored single loose tube cables' features:

- No cleaning of gels, greatly reduces installation time
- Reduces labor costs by eliminating transition points at the demarcation
- Can be used outdoors or indoors
- Low insertion loss
- High return loss (low amounts of reflection at the interface)
- Ease of installation
- Low cost
- Reliability
- Low environmental sensitivity
- Ease of use
- Single-Tube construction
- Additional strength member

Labels: Armored, PBT Tube, Steel wire, Water-Block Tape, PE Jacket

| Other Dimensions | |
|---|---|
| 1. **Appearance** | |
| Slickness | |
| 2. **Package** | |
| Wooden drum | |
| 3. **Length per drum** | |
| KM per drum; other length is upon request | |
| 4. **Test report** | |
| Attached with the OTDR test report | |

**Fiber characteristic**

| Fiber Mode | Unit | | Single mode G652B | Multimode 50/125 | Multimode 62.5/125 | Multimode OM3 300 |
|---|---|---|---|---|---|---|
| Condition | | nm | 1310/1550 | 850/1300 | 850/1300 | 850/1300 |
| Attenuation | | dB/km | 0.36/0.23 | 3.0/1.0 | 3.0/1.0 | 3.0/1.0 |
| Dispersion | 1550nm | ps(nm·km) | ≤18 | ----- | ----- | ----- |
| | 1625nm | ps(nm·km) | ≤22 | ----- | ----- | ----- |
| Bandwidth | 850nm | MHZ.km | ----- | ≥200 | ≥160 | ≥1500 |
| | 1300nm | MHZ.km | ----- | ≥200 | ≥200 | ≥500 |

**Application**

| | | |
|---|---|---|
| Fiber Count | | 12 |
| Outer diameter(mm) | | 8.0 |
| Nominal Weight kg/km | | 60 |
| Max. Tension | Short-term | 2,500 |
| N | Long-term | 800 |
| Max. Crushing Resistance | (N/100mm2) | 2,800 |
| Max. Bending Radius | Dynamic | 20D |
| mm | Static | 10D |

| ORDER CODES | |
|---|---|
| 12 core  loose tube steel wire Armored MM 50/125 (OM2) 1KM | IP-FR99Y12-1 |
| 12 core  loose tube steel wire Armored MM 50/125 (OM2) 2KM | IP-FR99Y12-2 |

*All Infilink FO cables come with separate OTDR test report in wooden drums*

www.InfilinkTechnologies.com

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management
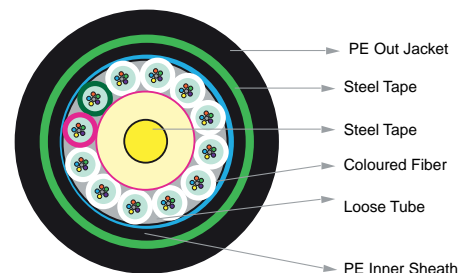
Data Center Solutions

Tools

Glossary

# Fiber Optic Cable Loose Tube 24 Core Outdoor SM & MM Steel Tape

**infilink** TECHNOLOGIES

**Infilink** full line of indoor/outdoor armored multi loose tube cables are designed to meet all the rigours of the outside plant environment, and also have the necessary ratings to be installed inside the building. These cables eliminate the messy gel filler of traditional loose tube style cables with super absorbent polymers. The installer can place the cable anywhere in the network, bypassing the traditional transition points required in most installations. Cables are available with fiber counts from 12 to 144 in multiple tubes.
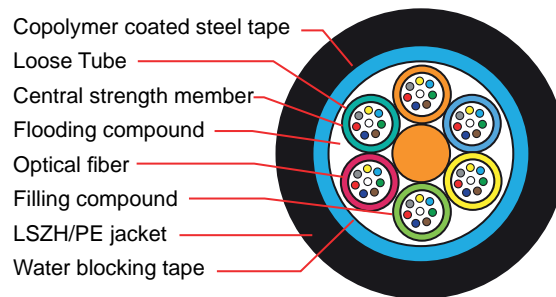
**Infilink** indoor/outdoor armored loose tube cables' features:

- No cleaning of gels, greatly reduces installation time
- Reduces labor costs by eliminating transition points at the demarcation
- Can be used outdoors or indoors
- Low insertion loss
- High return loss (low amounts of reflection at the interface)
- Ease of installation
- Low cost
- Reliability
- Low environmental sensitivity
- Ease of use
- Multitube Construction
- Additional strength member

Copolymer coated steel tape
Loose Tube
Central strength member
Flooding compound
Optical fiber
Filling compound
LSZH/PE jacket
Water blocking tape

Photon SERIES

| Item | Characteristics |
|------|-----------------|
| Operation temperature | -20C~+60C |
| Storage temperature | -40C~+60C |
| Sheath Material | P:PE; L:LSZH; or other |

| Fiber Count | Outside Diameter (mm) | L.T Diameter (mm) | Cable Weight (kg/km) | Tensile Load S (N) | L (N) | Crush Load S (N) | L (N) | Bend Radius S (M) | L (M) |
|-------------|----------------------|-------------------|----------------------|--------------------|-------|------------------|-------|-------------------|-------|
| 24 | 10.2 | 5 | 122.0 | 1500 | 600 | 1000 | 300 | 20D | 10D |

**Color Code**

| | | | |
|---|---|---|---|
| BL- Blue | BR- Brown | RE- Red | PU- Purple |
| OR- Orange | GY- Grey | BK- Black | PI- Pink |
| GR- Green | WH- White | YE- Yellow | AQ- Aqua |

**Optical Characteristics :**

| Glass Type | 62.5/125um Grade B | 62.5/125um Grade A | 50/125um Grade B | 50/125um Grade A | 50/125um OM3 | SM(G652) |
|------------|--------------------|--------------------|-------------------|-------------------|--------------|----------|
| **P/N Code(X)** | 62B | 62A | 50B | 50A | OM3 | 09 |

**Operating**

| | | | | | | |
|---|---|---|---|---|---|---|
| Wavelength | 850/1300nm | 850/1300nm | 850/1300nm | 850/1300nm | 850/1300nm | 1310/1550nm |
| Bandwidth (MHz.km) | 160/500 | 200/600 | 200/500 | 400/800 | 1500/500 | - |
| Attenuation (dB/km) | 3.50/1.50 | 3.00/1.00 | 3..50/1.50 | 3.00/1.00 | 2.70/0.80 | 0.45/0.30 |

**ORDER CODES**

| | |
|---|---|
| 24 core  loose tube steel tape Armored PE | IP-FRX924P |
| 24 core  loose tube steel tape Armored LSZH | IP-FRX924L |

# Fiber Optic Cable Loose Tube Outdoor SM & MM Double Armored With Two Jackets

**infilink** TECHNOLOGIES

**Infilink** Outside Plant Single Armor Double Jacket Loose Tube fiber optic cables are designed for installation in harsh environments such as direct burial, aerial lashing, conduit and pathways that are subjected to wide temperature variations. The Armored Outside Plant product incorporates a corrugated steel armor tape between two jackets surrounding the core and is offered with two 144 fibers per cable. These cables are thoroughly tested and verified to TIA standard for outside cabling systems.

**Infilink** Outside Plant Single Armor Double Jacket Loose Tube fiber optic cables' features:

- High tensile strength, crush-resistant and small-diameter design
- Single-mode, multimode and hybrid design options available
- Corrugated steel armor provides crush and rodent resistance
- Fully water-blocked core using dry water blocking system
- Low Smoke, Zero Halogen and Armored designs
- Provides greater pulling distances, thus reducing installation time
- Broad design selection enables mix and match of fiber components to specific networking applications
- One cable design meets all structured cabling applications
- Long-term reliability
- Low cable plant maintenance, ease of installation
- Reduced network costs

Cross-section labels: PE Out Jacket, Steel Tape, Steel Tape, Coloured Fiber, Loose Tube, PE Inner Sheath

Photon SERIES

| Items | Specifications |
|---|---|
| 1 – Fiber Count | 2 to 144 |
| 2 – Fiber Characteristic | According to the standard chromatogram |
| 3 – Outer diameter of Loose Tube | 2.15±0.05mm |
| 4 – Central Strength Member | Steel Wire |
| 5 – Armored steel tape thickness | 0.15mm |
| 6 – Out jacket Material | PE |

| Fiber mode | | Unit | Single mode fiber G652B | Multimode fiber 50/125 | Multimode fiber 62.5/125 |
|---|---|---|---|---|---|
| Condition | | nm | 1310/1550 | 850/1300 | 850/1300 |
| Attenuation | | dB/km | 0.4/0.3 | 3.5/1.5 | 3.0/1.0 |
| Dispersion | 1550nm | ps/(nm·km) | ≤18 | ----- | ----- |
| | 1625nm | ps/(nm·km) | ≤22 | ----- | ----- |
| Bandwidth | 850nm | MHZ·.km | ----- | ≥200 | ≥160 |
| | 1300nm | MHZ. ·km | ----- | ≥200 | ≥200 |

**Application:**

| | | | |
|---|---|---|---|
| Temperature range | | °C | -40°-- +70° |
| Nominal weight | | 'g/m | LSZH:55 |
| Min.Bending Radius (mm) | Dynamic | mm | 20D |
| Min.Bending Radius (mm) | Dynamic | mm | 10D |

**Cable Data:**

| Fiber count | O.D.(mm) | No. of Tubes | Cable wt.(kg/km) | Max. tension(N) Short | Long | Max. crush resistance (N/100 ) Short | Long |
|---|---|---|---|---|---|---|---|
| 2--60 | 13.0±0.5 | 6 | 145 | 3000 | 1000 | 3000 | 1000 |
| 62--72 | 13.0±0.5 | 6 | 196 | 3000 | 1000 | 3000 | 1000 |
| 74--96 | 14.0±0.5 | 8 | 230 | 3000 | 1000 | 3000 | 1000 |
| 98--120 | 16.0±0.5 | 10 | 270 | 3000 | 1000 | 3000 | 1000 |
| 122--144 | 18.5±0.5 | 12 | 360 | 3000 | 1000 | 3000 | 1000 |

**Packing and markings**

Printings on optical fiber cable
Black printings are printed at intervals of 1 meter with the following information.
1. Meter marks
2. Type of cable and fiber count
3. Infilink name
4. Year of manufacture

Ask your distributor for FO cables part numbers

*All Infilink FO cables come with separate OTDR test report*

www.InfilinkTechnologies.com

# Fiber Optic Connectors

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

**Infilink** Optical fiber connectors are used to join optical fibers where a connect/disconnect capability is required. Typical application for Optical fiber connectors are telephone company central offices, installations on customer premises, and outside plant applications. Connectors are used to connect equipment and cables, or to cross-connect cables within a system. The basic connector unit is a connector assembly. A connector assembly consists of an adapter and two connector plugs and comes in LC, SC, SC/APC varieties, supports both Single Mode and Multimode applications up to 10 Gbps, and supports up to 1,000 mating cycles.

**Infilink** Optical Fiber Connectors offer:
- Low insertion loss
- High return loss (low amounts of reflection at the interface)
- Ease of installation
- Low cost
- Reliability
- Low environmental sensitivity
- Ease of use

## Key Features

- Connectors are available in different types of connectors SC, LC, ST, FC, MTRJ
- Connectors have variety of OM2, OM3 and OS1
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink FO cables
- Infilink FO adapters
- Infilink FO patch cords
- Infilink FO pigtails
- Infilink FO patch panels

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| • Operating Temperature | -30ºC to 75ºC |
| • Storage Temperature | -40ºC to 85ºC |
| • Ferrule hole sizes (SM) | 125.5+- 0.5 (um) |
| • Ferrule hole sizes (MM) | 127.0+- 1.0 (um) |
| • Insertion loss (dB) | SM <=0.2 |
| • Insertion loss (dB) | MM<=0.3 |
| • Return loss (dB) | SM (PC) >=50C.2 |
| • Return loss (dB) | SM (APC) >=60 |
| • Exchangeability (dB) | <=0.2 |
| • Repeatability (dB) | <=0.2 |
| • Durability (dB) | <= 0.2 typical change, 1,000 mating |

| ORDER CODES | |
|---|---|
| Infilink FO Connector SC/PC SM | IP-FN931 |
| Infilink FO Connector SC/PC MM | IP-FN531 |
| Infilink FO Connector LC/PC SM | IP-FN901 |
| Infilink FO Connector LC/PC MM | IP-FN501 |

# Fiber Optic Adapters



Infilink full line of LC, SC, and APC couplers feature tightly toleranced slots to assure proper orientation of mated connectors. Typical applications for optical fiber couplers are in patch panels used in telephone company central offices, installations on customer premises, and outside plant applications. Infilink couplers feature ceramic sleeves to ensure precise alignment and signal integrity.

Infilink Optical Fiber Coupler features:
- Used to connect duplex SC fiber cables
- Plastic body provides a lightweight yet durable solution
- Dust caps protect against debris and contamination
- Ceramic alignment sleeve provides precise alignment for lower loss

## Key Feature

- Adapters are available in different type of connectors SC, LC, ST, FC, MTRJ
- Adapters have variety of OM2, OM3 and OS1
- Adapters are available in Duplex and Simplex
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink FO cables
- Infilink FO connectors
- Infilink FO patch cords
- Infilink FO pigtails
- Infilink FO patch panels
- Infilink MPO solution

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| • Operating Temperature | -30ºC to 75ºC |
| • Storage Temperature | -40ºC to 85ºC |
| • Sleeve | Ceramic or Bronze |
| • Operating Wavelength | 1200 ~ 1600 nm |
| • Insertion loss (dB) | SM <=0.2 |
| • Insertion loss (dB) | MM <=0.3 |
| • Return loss (dB) | SM (PC) >=50C.2 |
| • Return loss (dB) | SM (APC) >=60 |
| • Exchangeability (dB) | <=0.2 |
| • Repeatability (dB) | <=0.2 |
| • Durability (dB) | <= 0.2 typical change, 1,000 mating |
| • RoHS compliant | |

### ORDER CODES

| | |
|---|---|
| Infilink FO Adaptor SC/PC, SM, 9/125, Duplex | IP-FA932 |
| Infilink FO Adaptor SC/PC, MM, 50/125, Duplex | IP-FA532 |
| Infilink FO Adaptor LC/PC, SM, 9/125, Duplex | IP-FA902 |
| Infilink FO Adaptor LC/PC, MM, 50/125, Duplex | IP-FA502 |

*All Infilink FO cables come with separate OTDR test report*

# Fiber Optic Patch Cord Assemblies

**Infilink** top quality, high-speed Duplex Fiber Optic Patch Cables will unleash the power of your telecommunications system. With ceramic ferrules, these patch cords are suitable for high-speed, high-bandwidth telecommunications such that you would find in any data transmissions with high QoS values. The patch cords operate at the 850 and 1330 nm transmission windows for multimode, and 1310 nm or 1550 nm transmission windows for single mode applications. Each Optical Fiber Patch Cord is constructed of the finest components and shipped in individually sealed bags to ensure that they arrive in perfect condition. Test results for the individual patch cables are included in each bag. Color-coded patch cords, as well as polarity tags at each end assist with identification during the installation process to make installation easy for anyone. The patch cords are offered in SC-SC, LC-LC, and SC-LC varieties for both single mode and multimode applications.

**Infilink** Optical Fiber Patch cords features:

- Core Diameter: 50/125, 62.5/125, and 9/125 micron
- Insertion loss: typically <0.10 dB (LC);  0.20 dB (SC)
- Return loss: >20dB
- Ceramic Ferrules for increased durability
- TIA/EIA-568-B.3 compliant
- Connectors: (LC) Small form factor with latch;  (SC) Small form factor
- Used primarily for high-speed data communications such as Gigabit, or 10 Gbps Ethernet
- Physical Contact: PC (Polished Connector), APC (Angled Polished Connector)

## Key Features

- Every single Patch Cord has been tested and comes with a test result
- All Patch Cords are available in PC or APC types
- All Patch Cords are available in different lengths
- Patch Cords are available in different types of connectors SC, LC, ST, FC MTRJ
- Patch Cords have variety of OM2, OM3 and OS1
- Extended Warranty

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| • Operating Temperature | -30ºC to 75ºC |
| • Storage Temperature | -40ºC to 85ºC |
| • Insertion loss (dB) | SM <=0.2 |
| • Insertion loss (dB) | MM<=0.3 |
| • Return loss (dB) | SM (PC) >=50C.2 |
| • Return loss (dB) | SM (APC) >=60 |
| • Exchangeability (dB) | <=0.2 |
| • Repeatability (dB) | <=0.2 |
| • Durability (dB) | <= 0.2 typical change, 1,000 mating |

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink FO cables
- Infilink FO adapters
- Infilink FO pigtails
- Infilink FO connectors
- Infilink FO patch panels

### ORDER CODES

| | |
|---|---|
| Infilink FO Patch Cord LC/PC-LC/PC, SM 9/125, Duplex, 3.0mm, yellow, 1m | IP-FC9051 |
| Infilink FO Patch Cord SC/PC-LC/PC, MM 50/125, Duplex, 3.0mm, orange, 1m | IP-FC5101 |
| Infilink FO Patch Cord SC/PC-LC/PC, SM 9/125, Duplex, 3.0mm, yellow, 1m | IP-FC9011 |
| Infilink FO Patch Cord SC/PC-SC/PC, SM 9/125, Duplex, 3.0mm, yellow, 1m | IP-FC9031 |
| Infilink FO Patch Cord SC/PC-SC/PC, MM 50/125, Duplex, 3.0mm, orange, 1m | IP-FC5031 |
| Infilink FO Patch Cord LC/PC-LC/PC, MM 50/125, Duplex, 3.0mm, orange, 1m | IP-FC5051 |
| Infilink FO Patch Cord LC/PC-LC/PC, SM 9/125, Duplex, 3.0mm, yellow, 3m | IP-FC9053 |
| Infilink FO Patch Cord SC/PC-LC/PC, MM 50/125, Duplex, 3.0mm, orange, 3m | IP-FC5103 |
| Infilink FO Patch Cord SC/PC-LC/PC, SM 9/125, Duplex, 3.0mm, yellow, 3m | IP-FC9013 |
| Infilink FO Patch Cord SC/PC-SC/PC, SM 9/125, Duplex, 3.0mm, yellow, 3m | IP-FC9033 |
| Infilink FO Patch Cord SC/PC-SC/PC, MM 50/125, Duplex, 3.0mm, orange, 3m | IP-FC5033 |
| Infilink FO Patch Cord LC/PC-LC/PC, MM 50/125, Duplex, 3.0mm, orange, 3m | IP-FC5053 |

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

# Fiber Optic Pigtails

**Infilink** high performance fiber optic pigtails, including the single mode and multimode types, are manufactured with premium grade connectors with typical 0.9mm outer diameter cables and are offered in the Simplex form. The pigtails are the most important part of any fiber link as they are used to connect the cable to the active equipment within the patch panel. The fusion splice on the pigtail is the most economical way to provide a premium quality fiber optic connection. The fiber optic pigtail connectors are compliant with IEC and TIA/EIA specifications. It has one-piece construction and pull-proof design. Low cost but high performance, which makes it one of the most popular cables. Infilink Pigtails are supplied in the single mode 9/125, multimode 50/125, multimode 10Gb 50/125 types. They come with PC, UPC, and APC connectors respectively.
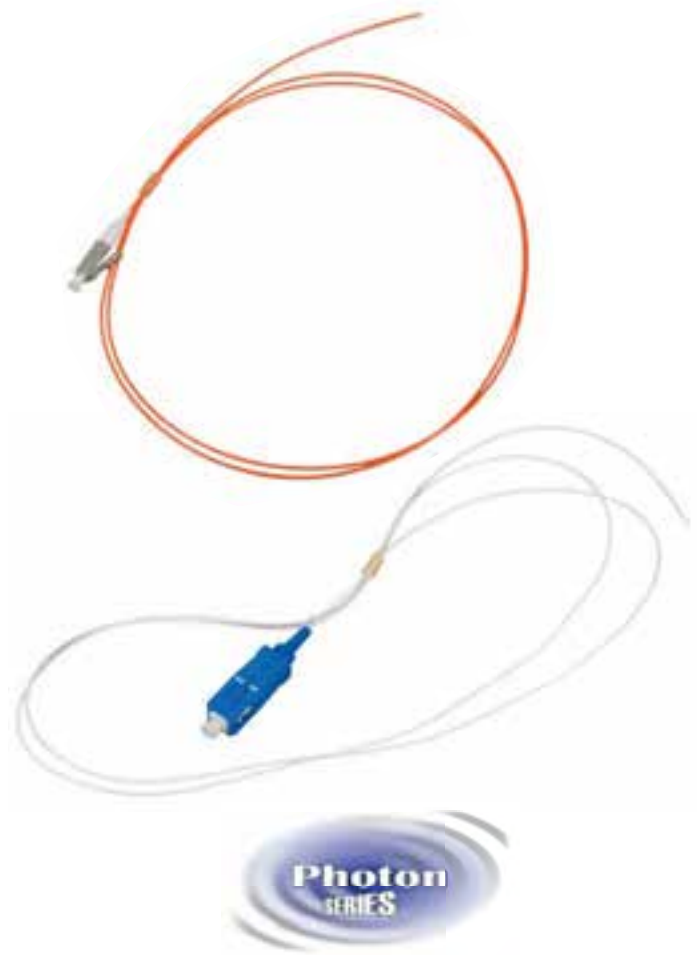
## Key Features

- Every single Pigtail has been tested and comes with a test result
- All Pigtails are available in PC or APC types
- All Pigtails are available in different lengths
- Pigtails are available in different types of connectors SC, LC, ST, FC, MTRJ,..
- Pigtails have variety of OM2, OM3 and OS1
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink FO cables
- Infilink FO adapters
- Infilink FO pigtails
- Infilink FO connectors
- Infilink FO patch panels

Fiber optic pigtail features:
- Compliance with Telcordia, ANSI, IEC, TIA/EIA specifications
- Low insertion loss & back reflection
- One-piece construction & pull-proof design
- Free-floating ceramic ferrule
- Corrosion-resistant body
- UL-rated plastic housing and boots in a variety of colors

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| • Operating Temperature | -30ºC to 75ºC |
| • Storage Temperature | -40ºC to 85ºC |
| • Insertion loss (dB) | SM <=0.2 |
| • Insertion loss (dB) | MM <=0.3 |
| • Return loss (dB) | SM (PC) >=50C.2 |
| • Return loss (dB) | SM (APC) >=60 |
| • Exchangeability (dB) | <=0.2 |
| • Repeatability (dB) | <=0.2 |
| • Durability (dB) | <= 0.2 typical change, 1,000 mating |

| ORDER CODES | |
|---|---|
| Infilink FO Pigtail SC/PC, SM 9/125, 0.9mm jacket, 1m | IP-PF931 |
| Infilink FO Pigtail SC/PC, MM 50/125, 0.9mm jacket, 1m | IP-PF531 |
| Infilink FO Pigtail LC/PC, SM 9/125, 0.9mm jacket, 1m | IP-PF901 |
| Infilink FO Pigtail LC/PC, MM 50/125, 0.9mm jacket, 1m | IP-PF501 |

# Fiber Optic Patch Panels

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

Data Center Solutions

Tools

Glossary

**Infilink** Rack Mount Fiber Enclosures are designed to provide optimal protection for any fiber optic applications. The enclosures are suited for 19" wide racks and come in a powder-coated steel design with an integrated latching system. Each enclosure includes cable routing spools and splice trays. Included with the enclosures are zip ties, cable routing clamps, mounting screws, fiber splice sleeves and installation instructions, and are offered in SC and LC 12, 24,48 & 96 links varieties.

Fiber optic patch panel features:

- fully loaded with single mode or multimode Couplers
- fully loaded with single mode or multimode pigtail in SC, LC, or APC varieities
- Insertion loss: typically <0.10 dB (LC); 0.20 dB (SC)
- Return loss: >20dB
- TIA/EIA-568-B.3 compliant
- Used primarily for high-speed data communications such as Gigabit, or 10 Gbps Ethernet
- Power-coated steel
- Oven-baked finish

## Key Features

- 19-inch rack, cabinets mountable
- Patch Panels are available in different types of adapters SC, LC, ST, FC
- Patch Panels have variety of OM2, OM3 and OS1
- Patch Panels are available in Duplex and Simplex
- Patch Panels can be unloaded or fully loaded with adapters, pigtails and cassettes
- Application: Telecommunications subscribers loop, Fiber to The Home, LAN/WAN, CATV

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink FO cables
- Infilink FO connectors
- Infilink FO patch cords
- Infilink FO pigtails
- Infilink FO adaptors
- Infilink MPO solution

- Material: Steel housing with epoxy powder coating, black color or any customized color
- Slide Type, Easily pull out without dismantlement from Rack
- Splice Tray up to 24 splicing per tray
- Rear section accommodates cable entry and holder
- Adapter panel for ease of installation, inspection and testing
- Available in different sizes:
  - 12 or 24 port(1U)
  - 36 or 48 ports (2U)
  - 60 to 72 ports(3U)
  - 96 ports(4U)

| SPECIFICATIONS | PERFORMANCE |
| --- | --- |
| • Operating Temperature | -30ºC to 75ºC |
| • Storage Temperature | -40ºC to 85ºC |

## ORDER CODES

| | |
| --- | --- |
| Infilink FO Patch Panel [Black] 12SC Duplex 9/125 with Pigtail | IP-FT932B |
| Infilink FO Patch Panel [Black] 24SC Simplex 9/125 with Pigtail | IP-FT931B |
| Infilink FO Patch Panel [Black] 12LC Duplex 9/125 with Pigtail | IP-FT902B |
| Infilink FO Patch Panel [Black] 24LC Duplex 9/125 with Pigtail | IP-FT904B |
| Infilink FO Patch Panel [Black] 12SC Duplex 50/125 with Pigtail | IP-FT532B |
| Infilink FO Patch Panel [Black] 12LC Duplex 50/125 with Pigtail | IP-FT502B |
| Infilink FO Patch Panel [Black] Unloaded 12SC Duplex slide out | IP-FT5005 |

# Networking Cabinets

## 42U Networking Cabinet

### Product Information

- Elegant look, profound technical expertise, precise dimension add value to your projects
- Easy-to-fix concentrated distribution unit into frame
- Popular front door made with smoky gray color toughened glass
- Install caster and support feet at the same time
- Strong structure with 800kg max loading
- Wire path on the top and bottom can be closed, and wire holes dimension can be changed as requested
- Optional bottom seat for stable stand, bottom wiring and bottom cold ventilation
- Side door and rear/front door can be taken down easily

### Product Specifications

- steel frame, vented front door and rear door accelerate the Convection inside
- Smoked plexiglass front door, color is optional
- Removable side panels
- Leveling feet or castors
- Max. Static load: 800 kg
- Max. Dynamic load: 350 kg
- Width: 600, 800 mm
- Depth: 600, 800 mm

## Key Features

- 19" Standard Installation
- Side doors with locks
- Various optional accessories

## Companion Products

Consider these related Infilink products in your network planning:

- Networking Cabinet- 16U
- Networking Cabinet- 12U
- Networking Cabinet- 4U
- Networking Cabinet Accessories

## 9U Networking Cabinet

### Product Information

- Frame structure, max loading of 60 kg
- Quick-open side door easy to install and maintain
- Top and bottom wire path
- Wall and stand installation type
- Optional caster and support feet for stand installing
- Quick wall mounting

### Product Specifications

- Double-section structure
- Removable side door for easy installing and maintaining
- Optional cable entrances through top and bottom plates
- Cooling fans can be installed for special requirements
- Thickness: Mounting Rails 2.0mm, others 1.2mm

# Networking Accessories

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

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**IP-NC1508**

**IP-NC1P**

**IP-NC100B**
**IP-NC120B**
**IP-NC140B**

**IP-NC1503**

**IP-NC1504**

**IP-DFJ021**

**IP-DFJ022**

**IP-NC1501**

**IP-NC1502**

## Key Features

• All trays are 19" Standard
• High-quality finishing

## Companion Products

Consider these related Infilink products in your network planning

• Networking Cabinet - 42U
• Networking Cabinet - 27U
• Networking Cabinet - 16U
• Networking Cabinet - 12U
• Networking Cabinet - 9U
• Networking Cabinet - 4U

**IP-NC220A/IP-NC110A**

**IP-NC6P01**

**IP-NC6P02**

**IP-NC6P03**

# MPO® Cassettes



**Infilink** manufactures state-of-the-art MPO fiber optic cassettes that are composed of high-density preterminated fiber optic system designed exclusively for Data Centers, storage area networks, and local area networks. **Infilink** Fiber Optic Plug and Play (PnP) cassettes are designed with pre-terminated fiber and multi-fiber Plug-in Connectors (MPO). This allows the quick addition of new devices in a computerized system, without the need for reconfiguration or manual installation of other external devices. Internally, each fiber is routed and connected within the cassette to its appropriate port on the front end of the unit. Using **Infilink's** fiber cassettes enable the end user to save significant amounts of time. **Infilink** Cassettes are offered in OM2 (50/125), OM3 (50/125) & Singlemode OS1 (9/125) models.

**Infilink** Optical Fiber MPO Cassettes offer:
- Low insertion loss
- No polishing (Pre-terminated)
- High return loss (low amounts of reflection at the interface)
- Ease of installation
- Reliable
- Low environmental sensitivity
- Plug and Play
- Material: Steel housing with epoxy powder coating, black color or any customized color
- Can be easily affixed to Infilink MPO® patch panels
- Factory terminated and tested
- Available with 12 or 24 LC or SC connectors

## Key Features

- Small, compact with high density
- Future Proof for 10G applications
- Fast deployment saves cost of installation
- Application: Data Centers and critical environments
- High density up to 24 FO cores in each cassette
- No need to splice, cleave, polish
- Extended Warranty

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| • Operating Temperature | -30ºC to 75ºC |
| • Storage Temperature | -40ºC to 85ºC |

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink FO cables
- Infilink FO connectors
- Infilink FO patch cords
- Infilink FO pigtails
- Infilink FO adaptors
- Infilink MPO® Patch Panels
- Infilink MPO® trunk cable

### Infilink MPO® CASSETTE ORDER CODES

IP - MPC -

| | | |
|---|---|---|
| Channel Count | 2 - 12 Fiber | |
| | 4 - 24 fiber | |
| Fiber Type | 5 - 50/125 | |
| | 9 - 9/125 | |
| | O - OM3 | |
| Connector Type | | LCU |
| | | LCA |
| | | SCU |
| | | SCA |

# MPO® Trunk & Fanout Cables

Infilink MPO cable utilizes push-pull connector housings for quick and reliable connections. The Single Mode and Multimode low-loss is achieved by using more precise MT 8-fiber ferrules and guide pins. The superior precision of the ferrule yields comparable insertion loss values to those found in standard ceramic ferrules. Infilink MPO connectors meet IEC and TIA/EIA standards and are ideal for mission-critical environments such as Data Centers. MPO Cables are offered in various lengths in the form of OS1, OM2, and OM3 types.

Infilink Optical Fiber MPO cables offer:
- Low insertion loss
- High return loss (low amounts of reflection at the interface)
- Ease of installation
- Plug and Play
- High Reliability
- Low environmental sensitivity
- Ease of use
- High Temperature Stability
- Quickly Exchangeable

## Key Features

- Various Fiber numbers & types are available
- Future Proof for 10G applications
- Fast deployment saves cost of installation
- Application: Data Centers and critical environments
- High density up to 24 FO cores in each Trunk Cable or fanout
- No need to splice, cleave, polish
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink FO cables
- Infilink FO connectors
- Infilink FO patch cords
- Infilink FO pigtails
- Infilink FO adaptors
- Infilink MPO® Patch Panels
- Infilink MPO® Cassettes

| SPECIFICATIONS | SINGLE MODE | MULTI MODE |
|---|---|---|
| Insertion Loss | ≤0.2dB | ≤0.25dB |
| Return Loss | ≥50dB (PC) | |
| Repeatability | ≤0.1 | |
| Durability | ≤0.2dB typical change 1000 mating | |
| Interchangeability | ≤0.2dB | |
| Tensile Strength | >10Kg | |

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| • Operating Temperature | -40ºC to 85ºC |
| • Storage Temperature | -40ºC to 85ºC |

| Connector Code | Fiber Type | Fiber Number | Length(M) |
|---|---|---|---|
| Male | 9/125 um (SM) | 4-fiber | customized |
| Female | 50/125 um (MM) | 8-fiber | |
| | | 12-fiber | |
| | | 16-fiber | |
| | | 24-fiber | |

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

Copper Cable Assemblies

Copper Patch Panels

Fiber Optic Cables (OM2, OM3, OS1)

Fiber Optic Accessories

Fiber Optics Cable assemblies

Fiber Optic Patch panels and enclosures

Networking Cabinets & Cable management

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# MPO® Patch Panel

**Infilink's** Rack Mount MPO Fiber Enclosures are designed to provide optimal protection for any fiber optic applications. The enclosures are suited for 19" wide racks, and come in a powder-coated steel design with an integrated latching system. Each enclosure can support up to 3 MPO Cassettes, which can be locked into place without the need to access the Enclosure from back side of rack.

Front Cassettes snap mechanism allows IT managers the flexibility to add and remove cassettes easily, which saves valuable Data Center availability and uptime.

## Key Features

- Small, compact with high density
- Future Proof for 10G applications
- Fast deployment saves cost of installation
- Application: Data Centers and critical environments
- High density up to 24 FO cores in each cassette
- No need to splice, cleave, polish
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning:

- Infilink FO cables
- Infilink FO connectors
- Infilink FO patch cords
- Infilink FO pigtails
- Infilink FO adaptors
- Infilink MPO® Cassettes
- Infilink MPO® trunk cable

Fiber optic patch panel features:

- Powder-coated steel
- Oven-baked finish
- Support of 72 Fiber links in 1U
- Used primarily for high speed data communications such as Gigabit, or 10 Gbps Ethernet
- Front Cassette Snap mechanism
- Material: Steel housing with epoxy powder coating, black or any customized color
- Slide Type, Easily pull out without dismantling from Rack
- Rear section accommodates cable entry and holder
- Adapter panel (cassette) for ease of installation and inspection
- Accommodates three Infilink MPO cassettes in 1U

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| • Operating Temperature | -30ºC to 75ºC |
| • Storage Temperature | -40ºC to 85ºC |

| ORDER CODES | |
|---|---|
| Infilink MPO Patch Panel [Black] accommodates 3 Cassettes | IP-PPMPO3C |

# Crimping and Punch Down Tool

Company Profile

Voice-Telephone System

Connectors and Outlets

Copper UTP Cables

Copper Shielded Twisted Pair Cables

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**The high performance Crimping Tool, for Networking and Telephony Applications**

Termination Tools are the essential instruments any field support installers look forward to. They are highly compact and serve a multitude of purposes. All the tools are heavy duty and can sustain extensive use in the field. For your variety of network needs, the **Infilink** Crimping Tool is a tool specifically designed to maintain network accessories. Our professional crimp tool IP-CT001 crimps, strips, and cuts cable for 6 and 8 position modular plugs. The crimp tool offers a reliable, easy-to-use, and affordable solution to meet immediate cutting needs. Our professional ratchet crimp tool delivers convenience at a very economical price and is designed to be used with 8P8C/RJ-45, 6P6C/RJ-12 and 6P4C/RJ-11 connectors.

## Key Features

- Single tool for Strip, Cut and Crimping of Connectors
- Heavy duty Steel construction
- Ideal for Networking and IP Telephony applications
- Extended Warranty

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | |
| • Body | 7 ½" Steel Construction |
| • Mechanism | Ratchet |
| • Cable range | 22 – 26 AWG round or Flat |

## Key Features

- Two Positions, high and low impact for better connectivity
- All Steel replaceable blade
- Ideal for Networking and IP Telephony applications
- Extended Warranty

## Companion Products

Consider these related Infilink products in your network planning

- Infilink RJ-45 Connectors
- Infilink patch panels
- Infilink CAT-5e & 6 Cables
- Infilink faceplates
- Infilink Wall Boxes
- Infilink Keystone Jacks
- Infilink CAT-6 Connectivity

**The high performance Punch Down Tool for onsite termination applications**

**Infilink** Termination Tools are the essential instruments any field support installer looks forward to having. They are highly compact and serve multitude of purposes. All the tools are heavy duty and can sustain extensive use in the field. Infilink professional punch down tool, TC-PD001 with 110 blades, inserts and cuts terminations in one operation. Adjustable high and low actuation setting accommodates termination requirements or user preference. With spare storage that helps prevent blade loss, the precision blades are conveniently interchangeable. The punch down tool offers reliable, easy-to-use operation at an affordable prices.

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | |
| • Body | 7 ½" Steel Construction |
| • Blade | Replaceable steel 110 type |
| • Impact | Variable (Hi – Low) |

| ORDER CODES | |
|---|---|
| Infilink-Crimping Tool | IP-CT001 |
| Infilink-Impact variable speed punch down tool with 110 blades | IP-PD001 |

# Crimping and Punch Down Tool

**The high performance Crimping Tool for Networking and Telephony Applications**

Termination Tools are the essential instruments any field support installers look forward to having. They are highly compact and serve a multitude of purposes. All the tools are heavy duty and can sustain extensive use in the field. For your variety of network needs, the **Infilink** Crimping Tool is a tool specifically designed to maintain network accessories. Our professional crimp tool IP-CT8P crimps, strips, and cuts cable for 8 position modular plugs. The crimp tool offers a reliable, easy-to-use, and affordable solution to meet immediate cutting needs. Our professional ratchet crimp tool delivers convenience at a very economical price and is designed to be used with 8P8C/RJ-45 connectors.

## Key Features

- Single tool for Strip, Cut and Crimping of Connectors
- Heavy duty Steel construction
- Ideal for Networking and IP Telephony applications
- Extended Warranty

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | |
| • Body | 7 ½" Steel Construction |
| • Mechanism | Ratchet |
| • Cable range | 22 – 26 AWG round or Flat |

**Infilink EZ Tools for High Performance Module Terminator and Cutter (For GVS)**

## Key Features

- All Steel replaceable blade
- Ideal for High End Networking and IP Telephony applications
- All Pins will punch and cut same time
- Extended Warranty

**Infilink** EZ tools for high performance Termination Tools is the essential instrument any field support installer, looks forward to having. They are highly compact and serve multitude of purposes. All the tools are heavy duty and can sustain extensive use in the field. Using this tool provides optimum performance which is only available with special Keystone Jack that is designed for use with Infilink EZ Tools.

## Companion Products

Consider these related Infilink products in your network planning

- Infilink RJ-45 Connectors
- Infilink patch panels
- Infilink CAT-5e & 6 Cables
- Infilink faceplates
- Infilink Wall Boxes
- Infilink Keystone Jacks
- Infilink CAT-6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **PHYSICAL** | |
| • Body | Plastic and Heavy Duty Steel |

| ORDER CODES | |
|---|---|
| Infilink-Crimping Tool | IP-CT8P |
| Infilink EZ Tools for High Performance Module Terminator and Cutter (For GVS) | IP-EZT |

# Installation Tool Kit, Tester & Probe Tracing



**The affordable and high performance Installation toolkit**

Perfect for Network technician or professional.
A complete design for cabling solution.
Includes remote cable tester for most cabling system before or after system is installed.

**The affordable and high performance cable tester and tone generator plus probe to find cable pathway for or home and office use.**

The **Infilink** Cable testers, including Cable Tracer features:
. Identify on live circuit condition (Ring, Busy, Clear) of tel line
. Multi Function tester for (Off live circuit) tel line (6P2C) and Pares
. Enhance tone signal output
. Sensitive signal detect to be probe for Pairs Wire Tracer
. Smart Operating Control Panel to be switchless for function settings

## Key Features

• Tester
• Termination Tools
• Punch Down Tools
• Free jack and Boot Cover

## Companion Products

Consider these related Infilink products in your network planning

• Infilink Patch Panels
• Infilink Cat-6 Cables
• Infilink RJ-45 Connectors
• Infilink Faceplates
• Infilink Wall Boxes
• Infilink Boot Covers

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| **Tester Port** | RJ45 and BNC |
| **MECHANICAL** | |
| • Punch Down Tools | 66 and 110 |
| • Cable Stripper | Included |
| **PHYSICAL** | |
| **Electrical** | |
| • Plug Type | RJ 45 and RJ 11 |
| • Power LED | Yes |
| • Power Switch | Yes |
| • Indicator LEDs | Continuity and Standby |

| ORDER CODES | |
|---|---|
| Infilink 92 Piece LAN Cable Tester Tool Kit | IP-92PTKIT01 |
| Infilink Cable Tester For Rj11/Rj45 Modular Plug | IP-RJ1145CT61 |
| Infilink Tone & Probe Tracing Kit With Led Flash, Tone Generator & Probe Kit | IP-TPTK001 |

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www.InfilinkTechnologies.com

# PoE Gigabit Injector 16 port

Infilink 16-port gigabit PoE injector panel is used to provide PoE for 10/100/1000 Mbit/s Ethernet. The upper Rj45 sockets is for LAN/Switch/PC connection and the lower RJ45 sockets are to deliver data and power to POE devices. Passive PoE is a combination of 16 sets of two Rj45 sockets and two 48V DC power jacks.

Input power requires 120W or more DC power, the total PoE output power must be lower than the MAX output power of power adapter. If not, it is necessary to consider using higher power adapter. The recommended formula for calculating maximum power requirement of PoE power injector is 15W per RJ45 set (1 set = 2 x RJ45 sockets). For example, 16 x 15W = 240W for 16-port Passive PoE panel.

## LED Indicator

**5 LED status indicators**
**One Master Power and four for each group of sockets**

|  | 1-4 socket of LED1 | 5-8 socket of LED2 | 9-12 socket of LED3 | 13-16 socket of LED4 |
|---|---|---|---|---|
| Port current 0-20ma | OFF | OFF | OFF | OFF |
| Port current 0-400ma | GREEN | GREEN | GREEN | GREEN |
| Port current >400ma | YELLOW | YELLOW | YELLOW | YELLOW |

## Key Features

- Uses 10/100/1000M Ethernet
- Flexible power(DC 18 - 57V)
- For 1'U high standard rack mount
- 5 LED status indicators
- Used with any Ethernet switch
- 650ma automatic resettable fuse on each port
- Supports IEEE 802.3at or 802.3af devices
  - Mode A operation-minus on pins1/2,plus on 3/6 (802.3af/at)
  - Mode B operation-minus on pins7/8,plus on 4/5 (Mikrotik,UBNT)
- Ideal for IP cameras,VOIP phone,WiFi Access Points

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Cat-5e & 6 Cables
- Infilink RJ-45 Connectors
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink Cat-6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| Compliance | FCC |
| CE Approval | Yes |
| Connectors | Data in: (16) RJ-45 (10/100/1000); |
| Data/PoE out | (16) RJ-45 (10/100/1000); |
| Power inlet | Adapter (2-pin) |
| | |
| Power | AC input voltage range: 90-264 VAC; |
| AC input voltage rating: | 100-240 VAC, 47-63 Hz; |
| Output PoE | 15.4 W per port |
| Size | (1U) x 482.6mm x 44.3mm x 52 mm) |
| Weight | 1.3 kg |
| | |
| Input | 100-240Vac (18-57V Dc In) |
| Output | 18-57V |
| Data | 1/2&3/6&4/5&7/8 |
| Power | 3/6+ & 1/2- ,4/5+&7/8- |
| Data In Connects | PC/HUB/Switch |
| Weight 16 Port | 1.3Kg |
| Case of material | metal work material |
| Ethernet Cable | TIA/EIA 568 Cat. 5 |
| Data rate | 10/100/1000Mbps |
| Connector | RJ-45 |
| Operating Temperature | 0°C ~ 40°C |
| Storage Temperature | -40°C~+70°C |
| Operating Humidity | 10%~80%RH |
| Storage Humidity | 5%~90%RH |
| Certification | CE FCC |

## ORDER CODES

| Infilink 16-Port Gigabit 48V/120W PoE Injector | IP-PPGPOE16 |
|---|---|

# PoE Injector 16 port

Company Profile

Voice-Telephone System

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Infilink 16-port PoE injector panel is used to provide PoE for 10/100 Mbit/s Ethernet. The upper Rj45 sockets is for LAN/Switch/PC connection and the lower RJ45 sockets are to deliver data and power to PoE devices. Passive PoE is combination of 16 sets of two Rj45 sockets and two 48V DC power jacks.

Input power requires 160W or more DC power, the total PoE output power must be lower than the MAX output power of power adapter. If not, it is necessary to consider using higher power adapter. The recommended formula for calculating maximum power requirement of PoE power injector is 10W per RJ45 set (1 set = 2 x RJ45 sockets). For example, 16 x 10W = 160W for 16-port Passive PoE panel.

## LED Indicator

LED status indicators
Master power LED

| POWER | 4/5 (V+),7/8 (V-) GREEN | 4/5 (V-),7/8 (V+) RED |
|---|---|---|

## Key Features

- Uses 10/100M Ethernet
- Flexible power(DC 24 - 57V)
- For 1'U high standard rack mount
- LED status indicators
- Used with any Ethernet switch
- Ideal for IP cameras,VOIP phone,WiFi Access Points

## Companion Products

Consider these related Infilink products in your network planning

- Infilink Cat-5e & 6 Cables
- Infilink RJ-45 Connectors
- Infilink Faceplates
- Infilink Wall Boxes
- Infilink Boot Covers
- Infilink Patch Cables
- Infilink Cat-6 Connectivity

| SPECIFICATIONS | PERFORMANCE |
|---|---|
| Compliance | FCC |
| CE Approval | Yes |
| Connectors | Data in: (16) RJ-45 (10/100); |
| Data/PoE out | (16) RJ-45 (10/100); |
| Power inlet | Adapter (2-pin), and 3 PIN power connector |
| | |
| Input | 100-240V AC 50/60Hz |
| Output | 12 TO 48 V 160W (Min) |
| Data | 1/2&3/6 |
| Power | 4/5 V+ & 7/8 VData |
| In Connects | PC/HUB/Switch |
| Weight 16 | Port 1.0Kg |
| Dimensions | 482.6mm×44.3mm×25mm |
| Case of material | metal work material |
| Ethernet Cable | TIA/EIA 568 Cat. 5 |
| Data rate | 10/100Mbps |
| Connector | RJ-45 |
| Operating Temperature | 0°C ~ 40°C |
| Storage Temperature | -40°C~+70°C |
| Operating Humidity | 10%~80%RH |
| Storage Humidity | 5%~90%RH |
| Certification | CE |

## ORDER CODES

| | |
|---|---|
| Infilink 16-Port 48V/160W PoE Injector | IP-PPPOE16 |

# Glossary

Visit our homepage for more and updated information such as:
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* Professional articles
* Trade fairs, seminars and road shows
* Texts for tender invitations
* Standardizations & Certification
* Collecting loyalty points

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TECHNOLOGIES

Additional information, test results and datasheets for fiber optic and copper cabling systems are available online at www.infilinktechnologies.com

*Infinite Ways to Link ...*

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