

COPPER

We are engaged in offering LAN UTP products that are precision engineered. Manufactured using superior quality material our products are highly durable and known for their quality. Moreover, we offer our range of UTP cables in different specifications.

Cat. 6 FTP Structured Cabling System

Overview

FTP (foil screened twisted pair) cable is a cable containing multiple pairs of copper wire enclosed in a sheath of aluminum foil. They are found in wiring systems in buildings or other environments where heavy noise adjacent to the wire might cause interference. The cables are typically made with copper wires measured at 23 or 24 American Wire Gauge (AWG), with the colored insulation typically made from an insulator such as polyethylene or FEP and the total package covered in a polyethylene jacket. Wire pairs having the same twist rate within the cable can still experience some degree of crosstalk. Wire pairs are selected carefully to minimize crosstalk within a large cable. Twisted pair cabling is often used in a factory setting, data networks for short and medium length connections because of its relatively lower costs compared to optical fiber and coaxial cable.



Description

Category 6 cable, commonly referred to as Cat 6, is a standardized cable for Gigabit Ethernet and other network physical layers that is backward compatible with the Category 5/5e and Category 3 cable standards.

Features

- Project Managed Installations
- Customized network design
- Built in Redundancy
- High Performance Network
- Supports Up to Gigabyte Standard
- Cable has been tested as part of the Lenora Category 6 FTP Copper Cabling System by an independent laboratory and complies with the electrical channel requirements of the following standard: ANSI/TIA-568-C.2 Category 6 standard.
- Easy identification of remaining cable reduces installation time and cable scrap
- Ensures proper performance and provides quick installation



For more information:

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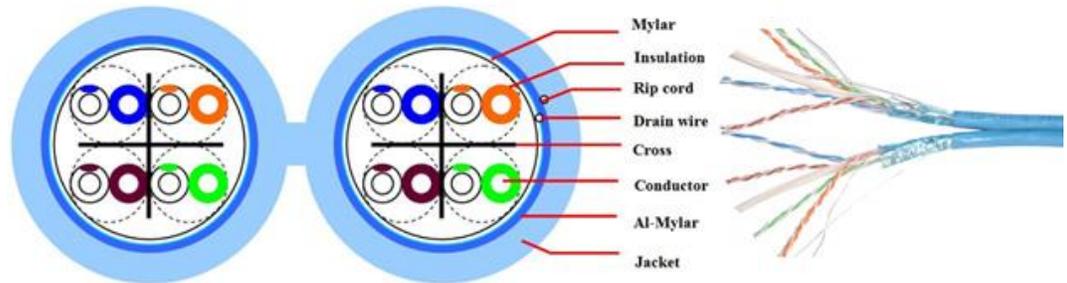
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Applications

- Structured Cable for Campus, Riser & Horizontal Installation
- 4/16 Mbps Token Ring (IEEE 802.5)
- 10/100/1000 BASE-T (IEEE 802.3)
- 155 Mbps ATM
- ISDN, ADSL

Cable Structure –Foiled Twisted Pairs Cables:



Conductor

| | |
|--------------------------------|---|
| Construction | FTP bare annealed copper wire |
| Diameter | 23AWG / 0.575mm |
| Insulation | Polyolefin |
| Number of insulated conductors | 8, twisted in 4 pairs. |
| Color code | Blue x White/Blue, Orange x White/Orange, Green x White/Green, Brown x White/Brown. |

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Mechanical Characteristics

| | |
|--------------------------|--------------|
| Minimum bend radius | 60 mm |
| Installation temperature | -5°C a 60°C |
| Operational temperature: | -20°C a 70°C |
| Max. tensile load | 10Kg |

Electrical Characteristics @ 20 °C

| | |
|--------------------------------------|-------------|
| Characteristic impedance (1-100Mhz) | 100±15 Ω |
| Characteristic impedance(100-250Mhz) | 100±18 Ω |
| DC Conductor Loop Resistance | 25 Ω/100m |
| Max. Resistance unbalance | ≤2% |
| Nominal Velocity of Propagation | 66% |
| Nominal Capacitance | 50 pF/m |
| Max. Capacitance unbalance | 1600 pF/km |
| Insulation Resistance (500V) | ≥2000 MΩ.km |