

Category 5 Twisted Pair Cable

Category 5 (CAT5) twisted pair cables include unshielded (UTP) and shielded (FTP, SFTP) options. These cables are suitable for workstation sockets and horizontal cabling, supporting various applications like voice, ISDN, and Fast Ethernet.



Product Overview

High-Performance Category 5 Networking

These Category 5 twisted pair cables are designed for professional workstation sockets and horizontal cabling environments. Supporting a wide range of high-speed applications including Fast Ethernet and ATM155Mbps, they offer reliable transmission quality. Available in both unshielded (UTP) and shielded (FTP, SFTP) configurations, these cables ensure durability through high-quality bare copper conductors and robust polyethylene or PVC jacketing.

Standards & Compliance

Certifications	ISO/IEC 11801, ANSI/TIA/EIA-568A, YD/T1019-2001
-----------------------	---

Physical Construction

Available Types

- HSYV-5 (UTP) Unshielded
- HSYVP-5 (FTP) Shielded
- HSYVP-5 (SFTP) Shielded

Materials

Stranded bare copper • PE insulation • PVC jacket • Low-smoke zero-halogen (LSZH) option

Performance Metrics

100 MHz Performance Characteristics

Metric	Value
Characteristic Impedance	100 ± 15 Ω
Return Loss	15.1 dB/100m
Attenuation	22.0 dB/100m
Near-end Crosstalk	32.3 dB/100m
Near-end Crosstalk Power Sum	32.3 dB/100m
Equal Level Far-end Crosstalk	21 dB/100m

Applications

Network Compatibility

- Voice
- ISDN
- ATM 155Mbps
- 100Mbps TPDDI
- Fast Ethernet
- IEEE 802.3/5/12