

Category 5 Communication Cable

Category 5 (CAT5) communication cables include unshielded twisted pair (UTP), foil twisted pair (FTP), and shielded foil twisted pair (SFTP) variants. These cables consist of insulated conductors twisted together to form pairs and are suitable for workstation sockets and horizontal cabling applications.



Product Overview

High-Performance Networking Solution

This Category 5 (CAT5) communication cable is engineered for reliable data transmission in professional networking environments. Available in UTP, FTP, and SFTP variants, it features single-strand bare copper conductors with robust insulation and protective sheathing. Designed for versatility, it supports a wide range of applications including Fast Ethernet, ISDN, and various IEEE network standards.

Construction & Materials

Sheath Material Options

- Polyethylene
- Polyvinyl Chloride (PVC)
- Low Smoke Zero Halogen (LSZH)

| | |
|--------------------------|---|
| Available Configurations | UTP (Unshielded Twisted Pair), FTP (Foil Twisted Pair), SFTP (Shielded Foil Twisted Pair) |
| Insulation Material | Polyethylene (PE) |

Compliance & Standards

International Standards

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

Performance Metrics

Performance Characteristics (at 100 MHz)

| Metric | Value |
|-------------|---------------|
| Impedance | 100 ± 15 Ohms |
| Return Loss | 15.1 dB/100m |
| Attenuation | 22.0 dB/100m |
| NEXT | 32.3 dB/100m |
| PSNEXT | 32.3 dB/100m |
| ELFEXT | 21 dB/100m |

Applications

Supported Network Applications

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