

EXC Wire & Cable™

Cat5e UTP Ethernet Cable

Cat5e UTP Ethernet Cable is an enhanced version of the original Cat5 cable. It is widely used for Ethernet networks due to its affordability and compatibility with most networking devices. Cat5e cables are capable of transmitting data at speeds up to 1000Mbps, making them suitable for small to medium-sized networks. They utilize four twisted pairs of copper wires to minimize signal interference, providing reliable connectivity for home users, small businesses, and basic network applications.

Features & Benefits

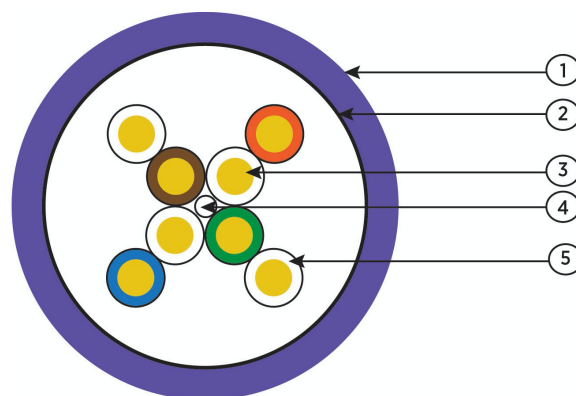
- Suitable for Gigabit Ethernet applications
- PVC outer sheaths
- Supplied metre marked in easy pull boxes for easy installation
- Pure copper cores
- Excellent performance exceeding ANSI/TIA stated specifications
- 25 Year System Warranty Available



Product Specifications

| | |
|---|--|
| Description | Cat5e UTP |
| Inner Conductor | 24 AWG plain copper |
| Insulation | High density polyethylene |
| Construction | 4 twisted pairs cabled together |
| Colour Code | Pair 1: White/Blue-Blue/White Pair 2: White/Orange-Orange/White Pair 3: White/Green-Green/White Pair 4: White/Brown-Brown/White |
| Sheath | PVC(Complies RoHs) |
| Colour | Different color is available |
| Overall Diameter | 5.0 +/- 0.2 mm |
| Weight (Kg/Km) | 31 |
| Min. Bending Radius Installation Min. Bending Radius Installed | 20 mm |
| Conforms to | ANSI TIA/EIA-568-C, Cenelec EN50173 and ISO 11801 |
| Euroclass Rating | Eca |

Diagram



- | | |
|---|--------------------|
| 1. Outer Sheath PVC | 3. Copper Core |
| 2. High Density Polyethylene Insulation | 4. Rip Cord |
| | 5. HDPE Insulation |

Electrical Specifications

| | |
|--|------------------|
| DC Resistance | < 9 Ω/100 m |
| Insulation Resistance | >5000mΩ*km |
| Capacitance Unbalance (pair to ground) | < 5.6nF/100 m |
| Velocity Ratio | 69% |
| Operating Temperature Range | -20°C to +70°C |
| Installation Temperature Range | 0°C to +50°C |
| Characteristic Impedance @1-250 MHz | 100 MHz +/- 15 Ω |