

EXC Wire & Cable™

Cat6 UTP Ethernet Cable

Cat6, cables are an improvement over Cat5e in terms of speed and performance. These cables are designed to support higher bandwidth, allowing for faster data transmission rates of up to 10Gbps at shorter distances. Cat6 cables are backward compatible with Cat5e devices, making them a popular choice for upgrading existing networks. Their improved specifications and stricter manufacturing standards result in reduced crosstalk and better signal quality, making Cat6 ideal for data-intensive applications, multimedia streaming, and larger network infrastructures.

Features & Benefits

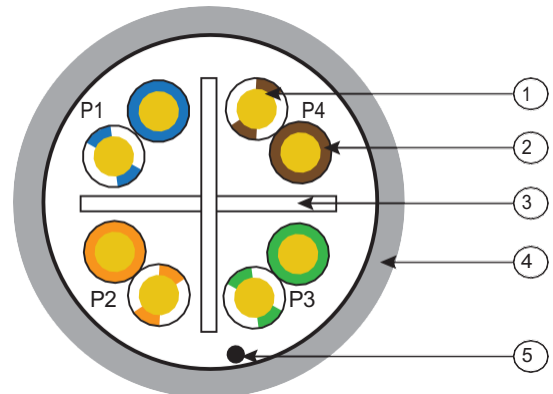
- Suitable for Gigabit Ethernet applications
- PVC outer sheaths
- Supplied metre marked in easy pull boxes for easy installation
- Pure copper cores
- Excellent performance exceeding ANSI/TIA stated specifications
- 25 Year System Warranty Available



Product Specifications

Description	Cat6 UTP
Inner Conductor	23 AWG plain copper
Insulation	High density polyethylene
Construction	4 twisted pairs cabled together with spline
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)
RAL Colour	Grey - 7044
Overall Diameter	6.1mm +/- 0.3 mm
Min. Bending Radius	25 mm
Impedance	100 Ohm +/- 15 Ohm
Conforms to	ANSI/TIA-568-C, ISO 11801 CENELEC EN 50173

Diagram



1. Copper Core
2. HOPE Insulation
3. Cross Member

4. Rip Cord
5. Outer Sheath PVC

Electrical Specifications

DC Resistance	< 9 Ω/100 m
Insulation Resistance	> 5000 mΩ*km
Capacitance Unbalance (pair to ground)	< 5.6 nF/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