



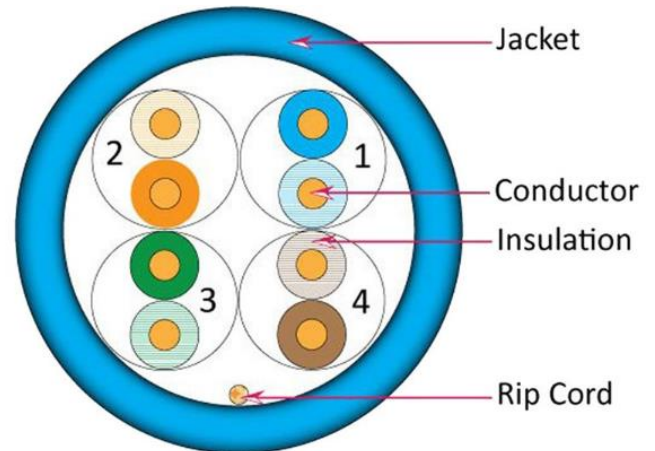
Category 6

24-AWG UTP

Category 6 UTP copper cable meets ANSI/TIA-568-C.2 Category 6 and ISO 11801 and TIA/EIA 568-B standards. The conductors are 24 AWG copper insulated with polymer. The copper conductors are twisted in pairs, separated by a cross divider and covered PVC jacket.

Cable Construction

Conductors:	24 AWG Solid Bare Copper
Separator:	Polyolefin Tape
Insulation:	100% Polyolefin
Color Coding:	Tight Lay System
Pairing:	Short, Staggered Pair Lays
Jacket:	PVC



Compliances

- UL Subject 444
- (UL)-C(UL) Type MP/CM
- ICEA S-90-661
- NEC 800 Type CM
- TIA/EIA 568-B.2-1 Proposed Cat-6 Horizontal Cable Requirements, Draft 10
- ISO 11801 Class E
- NEMA WC 66-1999

Technical Information

- PoE compliance: Meets IEEE 802.3af and IEEE 802.3at for PoE applications
- Installation tension: 110N (25 lbf.) maximum
- Temperature rating: 0° to 50°C (32° to 122°F) during installation
- -20° to 60°C (14° to 140°F) during operation
- Cable diameter: 5.3mm +/- 0.01mm
- Cable weight: 27 lbs./1000 ft
- Packaging: 305m (1000 ft.) box
- Packaged tested to ISTA procedure 1A



Electrical Characteristics

- Conductor DC Resistance (Max) 28.6 Ohms/1000 ft. @ 20 °C
- DC Resistance Unbalance (Max) 5%
- Insulation Resistance (Min) 500 Megohms/1000 ft. @ 20 °C
- Mutual Capacitance (Typical) 15 pF/ft
- Operating Temperature (Max) 60 °C
- Operating Voltage (Max) 300 VDC
- Worst Case Cable Skew 45 nsec/100 meters
- Nominal Velocity of Propagation 70%

Features

- More flexible separator, optimum pair-to-pair & powersum crosstalk
- Matched impedance and maximum throughput
- Ease of handling
- Smaller, more compact package
- Decreased installation time
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Applications

Applications include:

Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), and 1000BASE-T (Gigabit Ethernet)

Ordering Information

- Product Number: M6U-24XX/305
- No. of Pairs 4
- Diameter: 5.3mm +/- 0.01mm
- Jacketcolor: As specified
- Packaging: 1,000 feet Reel

NOTES: XX = Jacket color

BL= Blue WT= White GY= Gray GN= Green YL= Yellow