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XTC-226

UTP Cable - 4 Pairs Cat6

Xtech's Unshielded Twisted Pair (UTP) category 6 cable is designed to support transmission speeds of 1 gigabit per second while ensuring reliable operation at frequencies of 250MHz, making it a most dependable and economic option for ethernet deployments in local network installations within single-story commercial or industrial buildings.

Constructed with four braided pairs of copper and aluminum 24AWG wires, the Cat6 UTP is housed and protected by a high-density polyethylene jacketing and meets CE and ROHS standards.

Each carton box contains a roll with 1000 ft (305 m) of Xtech's UTP Cat6 cable.

Highlights

- Designed for top speed data transmission
- Meets international telecommunications and electrical standards like CE and RoHS
- Perfect for structured cable installations of all kinds

CAT6 | 24 AWG | 4/8 4 pairs 8 conductors | 1,000 feet 305-meter long | RoHS Compliant

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UTP Cable - 4 Pairs Cat6

Specifications	
Wire characteristics	
Cable type	Cat 6 bulk UTP cable
Number of pairs	4
Number of wires	8
Wire type	CCA 20% Copper, 80% Aluminum
Wire gauge size	24 AWG
Internal characteristics	
Internal jacket material	HD-PE (High-density polyethylene)
Average min. thickness	0.21 mm
Min. thickness	0.20 mm
Color combinations	Pair 1: Orange (White-Orange) Pair 2: Green (White-Green) Pair 3: Blue (White-Blue) Pair 4: Brown (White-Brown)
Shield type	Unshielded
External characteristics	
External jacket designation	PVC
External jacket material	PVC
Average min. thickness	0.58mm
Min. thickness	0.57mm
Average cable diameter	6.0mm
Max. strength	≥13.8Mpa
Electrical characteristics	
Voltage rating	12V
Temperature rating	70˚C
Characteristic impedance (Zo)	100±15 Ω at 100-250 Mhz
Conductive resistance	26 Ω / 100 m
DC Resistance capacitance unbalance	≤5%
Pair-to-Ground capacitance unbalance	max 330 pf /100m at 1kHz
Mutual capacitance	Max 5.6 nf/100 at 1kHz
Dielectric strength	5000mΩ / km
Nominal Velocity of propagation (NVP)	69%
Power Over Ethernet (PoE)	50 m
Transmission characteristics	
Transmission speed	1 Gbps
Bandwidth	250 MHz
Certifications and standards	
International standards	CE, ROHS
UL certificate	E484639
Miscellaneous	
UPC	798302232204
Packaging	Carton box
Cable length	1000 ft / 305 m
Warranty	1 year

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