

Cat6 UTP Patch Cables

Ideal for 1/10G Copper Cabling Solution



Overview

Cat6 network patch cable is the cost-effective solution for data center and SMB applications. Design for computer, hubs, switches, routers, DSL/cable modems and patch panel in Gigabit datacenter application. With fast transmission and excellent signal quality, it ensures peak performance through your LAN.

Application

- Rated for any 1/10GBase-T Ethernet.
- Perfect for data center and SMB applications.
- Ideal for switches, servers, patch panels, or other equipment.

Key Features

- Protected by CM-rated PVC jacket
- Stranded Oxygen-free Copper
- Rated for 250MHz communications
- Designed for 1/10GBase-T Ethernet
- 100% pass the Fluke Test
- RoHS & CE compliancy status
- 24AWG 4-pair precision twisted cable
- RJ-45 plugs with 50-micron gold-plated connectors
- A variety of lengths and colors for all Cat6 UTP cables

Specification

Product Type

Shielding Type

Unshielded (U/UTP)

Termination End

RJ45 Plug

Reference Standard

ISO/IEC 11801, ANSI/TIA-568-C.2

Conductor

Conductor Type

Stranded

Conductor Material

Oxygen-free Copper

Wire Gauge (AWG)

24 (7/0.20mm)

Conductor Qty.

4 Twisted Pairs

Insulation

Insulation Material

HDPE

Insulation Diameter (mm)

0.98 ± 0.05

Core Color

A. Orange, White-Orange,
 B. Blue, White-Blue,
 C. Green, White-Green,
 D. Brown, White-Brown

Sheath

Material

PVC (complies RoHS), CM

Outer O.D. (mm)

6.1 ± 0.4

Thickness (mm)

0.55 ± 0.05

Color
Blue/Gray/Black/Red/Purple
Green/White/Yellow
Surface

Clean, frap, satiation

Specification

Electrical Characteristics (20 °C)

Data Rate Support	1/10GBase-T
Standard Bandwidth (MHz)	250
Reference Bandwidth (MHz)	550
1-250MHz, Characteristic Impedance (Ω)	100 ± 15
Max. DC Conductor Resistance Unbalance (%)	5.0
1-250MHz, Delay Skew 20°C(ns/100m)	≤45
Max. DC Resistance 20°C(Ω/100m)	9.38

Mechanical Characteristics

Before Aging Tensile Strength (Mpa)	≥13.5
Before Aging Elongation (%)	≥150
Aging Period (°C×hrs)	100°C×24h×7d
After Aging Tensile Strength (Mpa)	≥12.5
After Aging Elongation (%)	≥125
Cold Bend(-20±2°C×4h) 8×Cable O.D.	No Visible Cracks
Min. Bend Radius (cm)	4.27 ± 0.3

Surface Printing

Letter Height (mm)	3.0 ± 0.3
Color	Black

Specification

Others

Rip-cord

Yes

Drain Wire

No



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