

Cat5e UTP Patch Cables

Ideal for 1000Base-T Copper Cabling Solution



Overview

Cat5e network patch cable is the cost-effective solution for data center applications. Design for computers, hubs, switches, routers, DSL/cable modems and patch panels in Gigabit datacenter applications. With fast transmission and excellent signal quality, it ensures peak performance through your LAN.

Application

- Rated for any 1000Base-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 Pure Bare Copper
- RJ45 Plugs with 50 Microinches Gold-plated Connectors
- Snagless Design Protects Clips When Plugging and Unplugging
- Multiple Colors and Lengths Helps Simplify Complicated Cable Runs
- 4 Twisted Pairs and Cross Separator Reduce Crosstalk, Noise and Interference
- Tested with a Fluke DSX-8000 Versiv CableAnalyzer
- CE, Reach, RoHS Certified

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

Pure Bare Copper

Wire Gauge (AWG)

24 (7/0.20mm)

Conductor Qty.

4 Twisted Pairs

Insulation

Insulation Material

HDPE

Insulation Diameter (mm)

0.97 ± 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

Thickness (mm)

0.55 ± 0.05

Outer O.D. (mm)

5.5 ± 0.4

Color

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

Surface

Clean, Frap, Satiation

Specification

Electrical Characteristics (20 °C)

Data Rate Support	1000Base-T
Standard Bandwidth (MHz)	100
Reference Bandwidth (MHz)	350
1-100MHz, Characteristic Impedance (Ω)	100 ± 15
1-100MHz, Delay Skew (ns/100m)	≤ 45
Max. DC Resistance 20°C (Ω/100m)	9.5

Mechanical Characteristics

Before Aging Tensile Strength (Mpa)	≥ 13.5
Before Aging Elongation (%)	≥ 150
Aging Period ($^{\circ}\text{C}\times\text{hrs}$)	$100^{\circ}\text{C}\times 24\text{h}\times 7\text{d}$
After Aging Tensile Strength (Mpa)	≥ 12.5
After Aging Elongation (%)	≥ 125
Cold Bend ($-20\pm 2^{\circ}\text{C}\times 4\text{h}$)	No Visible Cracks
Min. Bend Radius (cm)	3.85 ± 0.3

Surface Printing

Letter Height (mm)	3.0 ± 0.3
Color	Black

Others

Rip Cord	Yes
Drain Wire	No



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