

Cat5e FTP Patch Cables

Ideal for 1000Base-T Copper Cabling Solution



Overview

Cat5e network patch cable is the cost-effective solution for data center and SMB 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 PVC CMX jacket
- Stranded Oxygen-free Copper
- Rated for 100MHz communications
- Designed for 1000Base-T Ethernet
- Pass the Fluke Channel Test
- RoHS, CE compliancy status
- 26AWG 4-pair precision twisted cable
- Molded strain relief with snagless design
- RJ45 plugs with 50-micron gold-plated connectors

Specification

Product Type

Shielding Type

Shielded (F/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)

26 (7/0.16mm)

Conductor Qty.

4 Twisted Pairs

Insulation

Insulation Material

HDPE

Insulation Diameter (mm)

0.92 ± 0.05

Core Color

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

Shield

Individual Shield & Material

No

Primary Overall Shield & Material

AL-Foil

Secondary Overall Shield & Material

No

Shield Coverage

No

Specification

Sheath	
Material	PVC (Complies RoHS), CMX
Thickness (mm)	0.6
Outer O.D. (mm)	5.4 ± 0.3
Color	Blue
Surface	Clean, Frap, Satiation
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. Conductor Resistance 20°C (Ω/1km)	145
Mechanical Characteristics	
Outer Jacket Tensile Strength (Mpa)	≥13.5
Outer Jacket 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)	No Visible Cracks
Min. Bend Radius (cm)	3.78 ± 0.2

Specification

Surface Printing

Letter Height (mm)

3.0 ± 0.3

Color

Black

Others

Rip Cord

Yes

Drain Wire

Yes



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