

Cat6 28AWG Slim Patch Cables

Smaller Diameter, More Space



Overview

Cat6 slim patch cable is the perfect solution for high density data center and SMB applications. Smaller patch lead size helps alleviate congestion as well as improving airflow within the racks. Snagless boot prevents unwanted cable snags during installation and provides extra strain relief. With fast transmission and excellent signal quality, it ensures peak performance through your LAN.

Application

- Connect components like routers, servers, and switches.
- Rated for any 1/10GBase-T Ethernet.
- Slim design increases airflow in tight spaces.
- Perfect for high density data center and SMB applications.

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 Patch Cord Test
- RoHS & CE compliancy status
- 28AWG cables save space up to 36% than common ones
- RJ-45 plugs with 50-micron gold-plated connectors
- A variety of lengths and colors for Cat6 slim patch cables

Specifications

Product Type

Shielding Type Unshielded (U/UTP)

Termination End RJ45 Plug

Reference Standard ISO/IEC 11801, ANSI/TIA-568.2-D

Conductor

Conductor Type Stranded

Conductor Material Oxygen-free Copper

Wire Gauge (AWG) 28 (7/0.12)

Conductor Qty. 4 Twisted Pairs

Insulation

Insulation Material HDPE

Insulation Diameter (mm) 0.58 ± 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) 3.8 ± 0.2

Thickness (mm) 0.55 ± 0.05

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

Surface Clean, frap, satiation

Specifications

Electrical Characteristics (20 °C)

Data Rate Support	1/10GBase-T
Standard Bandwidth (MHz)	250
Reference Bandwidth (MHz)	550
1-250MHz, Delay Skew (ns/100m)	≤45
Max. DC Resistance 20°C (Ω/100m)	23.7
Max. DC Conductor Resistance Unbalance (%)	5.0

Sheath Physical Properties

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)	2.7 ± 0.2

Surface Printing

Letter Height (mm)	3.0 ± 0.3
Color	Black

Others

Rip-cord	Yes
Drain Wire	No



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