

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 Pure Bare Copper
- RJ45 Plugs with 50 Microinches Gold-plated Connectors
- 28AWG Cables Save Space up to 36% than Common Ones
- Snagless Design Protects Clips When Plugging and Unplugging
- Multiple Colors and Lengths Helps Simplify Complicated Cable Runs
- 4 Twisted Pairs Reduce Crosstalk, Noise and Interference
- Tested with a Fluke DSX-8000 Versiv CableAnalyzer
- CE, Reach, RoHS Certified

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 Pure Bare Copper

Wire Gauge (AWG) 28 (7/0.12mm)

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)	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