

Cat6 28AWG CM/LSZH 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 LSZH jacket
- Stranded Oxygen-free Copper
- RJ45 Plugs with 50 Microinches Gold-plated Connectors
- 28AWG Cables Save Space up to 38% than Common Ones
- Snagless Design Protects Clips When Plugging and Unplugging
- Multiple 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	Oxygen-free Copper
Wire Gauge (AWG)	28 (7/0.127mm)
Conductor Qty.	4 Twisted Pairs
Insulation	
Insulation Material	HDPE
Insulation Diameter (mm)	0.62 ± 0.08
Core Color	A. Blue, White-Blue, B. Orange, White-Orange, C. Green, White-Green, D. Brown, White-Brown
Sheath	
Material	CM/LSZH
Outer O.D. (mm)	4.0 ± 0.3
Thickness (mm)	0.65 ±0.01
Color	Blue
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)	23.6
Max. DC Conductor Resistance Unbalance (%)	5.0
Sheath Physical Properties	
Before Aging Tensile Strength (Mpa)	≥9.0
Before Aging Elongation (%)	≥100
Aging Period (°C×hrs)	100°C×24h×7d
After Aging Tensile Strength (Mpa)	≥8.0
After Aging Elongation (%)	≥70
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