

Flat Cat6 UTP Patch Cables

Ideal for 1/10GBase-T Copper Cabling Solution



Overview

Flat Cat6 network patch cable is suitable for high-density data center and SMB applications. The unique flat shape makes the installation and wiring more flexible and secure. With fast transmission and excellent signal quality, it ensures peak performance through your LAN.

Application

- Flat cable design resists tangling
- Rated for any 1/10GBase-T Ethernet.
- Ideal for switches, servers, patch panels, or other equipment.
- Perfect for high density data center and SMB applications.

KeyFeatures

- Exceed ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E Standards
- Up to 550MHz with 1G/10G-T Speed
- Helps Reduce Congestion in High-density Data Centers and Telecommunications Rooms
- Provides Excellent Transmission Performance and Low Signal Loss
- Easier to Place Against the Wall, Avoiding Winding Wires and Saving Space
- Performance Tested with Fluke and Wired T568B
- Stranded Cable and RJ45 Modular Plugs with 50μ" Gold-plated Contacts
- Use in Patch Panel or Equipment Connections in Enterprise Networks and Data Center
- Support Current and Future Category 6/5e/5 Applications

Specification

Product Type	
Shielding Type	Unshielded (U/UTP)
Termination End	RJ45 Plug
Termination End	ISO/IEC 11801, ANSI/TIA-568.2-D
Conductor	
Conductor Type	Stranded
Conductor Material	Pure Bare Copper
Wire Gauge (AWG)	32AWG
Conductor Qty.	4 Twisted Pairs
Insulation	
Insulation Material	HDPE
Insulation Diameter (mm)	0.55
Core Color	A. Orange, White-Orange, B. Blue, White-Blue, C. Green, White-Green, D. Brown, White-Brown
Sneath	
Material	PVC(Complies RoHS), CMP
Thickness (mm)	6
Color	Black/White
Surface	Clean, Frap, Satiation

Specification

Electrical Characteristics (20 °C)	
Data Rate Support	1/10GBase-T
Standard Bandwidth (MHz)	250
Reference Bandwidth (MHz)	550
1-100MHz,Characteristic Impedance(Ω)	85-115
1-100MHz,DelaySkew(ns/100m)	$\geq 20m$
Max.DC Resistance 20°C(Ω /100m)	$\geq 20M$
Mechanical Characteristics	
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)	90
Mechanical Characteristics	
Letter Height (mm)	3.0 ± 0.3
Color	black & White

Specification

Others	
Rip Cord	Yes
Drain Wire	No