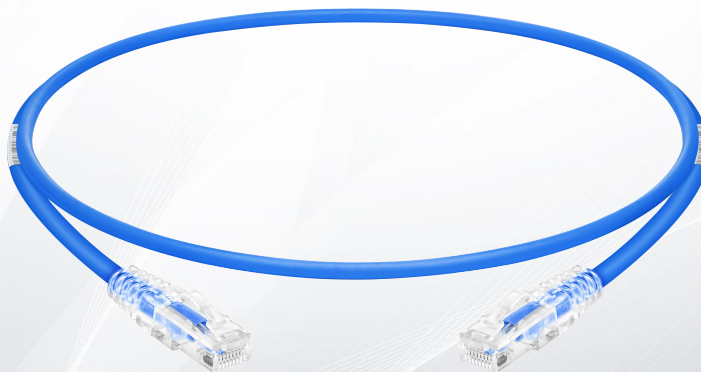


Customized Cat6a UTP Snagless Patch Cables

Ideal for 1/10GBase-T Copper Cabling Solution



Overview

Cat6a 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 1/10GBase-T Ethernet.
- Perfect for data center and SMB applications.
- Ideal for switches, servers, patch panels, or other equipment.

Benefits

- Exceed ANSI/TIA-568-D.2 Category 6A and ISO 11801 Class E Standards
- Up to 550MHz with 10G-T Speed, Support PoE/PoE+/PoE++ (IEEE 802.3af/at/bt)
- Performance Tested with Fluke and Wired T568B
- Strain Relief and a Flexible Boot Simplify Moves, Additions and Changes
- 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 6a/6/5e/5 Applications
- Low Smoke and Halogen-Free, Less Smoke and Almost No Highly Toxic Gas Called Halogen

Specification

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)	24 (7/0.2mm)/26 (7/0.16mm)/28 (7/0.12mm)
Conductor Qty.	4 Twisted Pairs

Insulation	
Insulation Material	HDPE
Insulation Diameter (mm)	PVC CM: 0.62 ± 0.05mm/LSZH:0.98 ±0.05
Core Color	A. Orange, White-Orange, B. Blue, White-Blue, C. Green, White-Green, D. Brown, White-Brown

Specification

Sheath	
Material	PVC (Complies RoHS), CM/LSZH (Complies RoHS)
Thickness (mm)	0.55 ± 0.05
Outer O.D.(mm)	24AWG: 6.1 ± 0.4/26AWG: 5.4 ± 0.3/28AWG: 4.2 ± 0.3
Color	Blue/Black/Gray/Red/Green Yellow/White/Purple/Orange/Pink

Electrical Characteristics (20 °C)	
Data Rate Support	1/10GBase-T
Standard Bandwidth (MHz)	PVC CM:250/LSZH:500
Reference Bandwidth (MHz)	550
Max. DC Conductor Resistance Unbalance (%)	5
1-500MHz, Delay Skew (ns/100m)	≤45
Max. DC Resistance 20 °C (Ω/100m)	PVC CM:23.7/LSZH:9.38

Mechanical Characteristics	
Before Aging Tensile Strength (Mpa)	PVC CM: ≥13.5/LSZH: ≥10.0
Before Aging Elongation (%)	PVC CM: ≥150/LSZH:≥125
Aging Period (°C×hrs)	100°C×24h×7d
After Aging Tensile Strength (Mpa)	PVC CM:≥12.5/LSZH:≥8.0
After Aging Elongation (%)	PVC CM:≥125/LSZH:≥100
Cold Bend (-20±2°C×4h)	No Visible Cracks

Min. Bend Radius (cm)	PVC CM: During installation is 8 times OD After installation is 4 times OD LSZH:2.44±0.04
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Specification

Surface Printing

Letter Height (mm)

3.0 ±0.3

Color

Black

Others

Rip Cord

No

Drain Wire

No