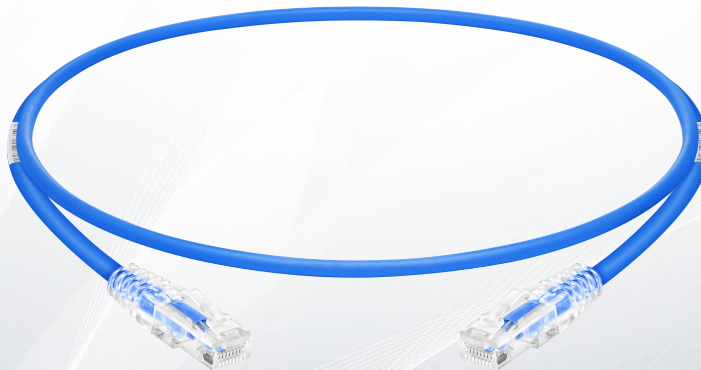


Customized Cat6 UTP Snagless Patch Cables

Ideal for 1/10GBase-T Copper Cabling Solution



Overview

Cat6 UTP patch cable features unshielded twisted pair stranded copper cable with a high performance modular plug at each end.

Snagless design protects the locking clips on the RJ45 connectors from being damaged or snapped off during installation. It exceeds the performance of the Cat6 Ethernet network cable standard and offers the cost-effective solution for indoor Gigabit Ethernet data center applications, supporting up to 1000Mbps and 550MHz within 100 meters of cable.

Benefits

- Exceed ANSI/TIA-568-D.2 Category 6 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 6/5e/5 Applications
- Variety of Cable Colors and Lengths to Meet Individual Requirements and System Flexibility

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	Oxygen-free Copper
Wire Gauge (AWG)	24/28
Conductor Qty.	4 Twisted Pairs
Insulation	
Insulation Material	HDPE
Core Color	A. Orange, White-Orange, B. Blue, White-Blue, C. Green, White-Green, D. Brown, White-Brown

Specification

Sheath	
Material	PVC CM/LSZH
Thickness (mm)	0.55 ± 0.05
Gauge	24AWG/28AWG
Color	Blue/Black/Gray/Red/Green Yellow/White/Purple/Orange/Pink

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

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

Specification

Surface Printing

Letter Height (mm)

3.0 ±0.3

Color

Black

Others

Rip Cord

No

Drain Wire

No