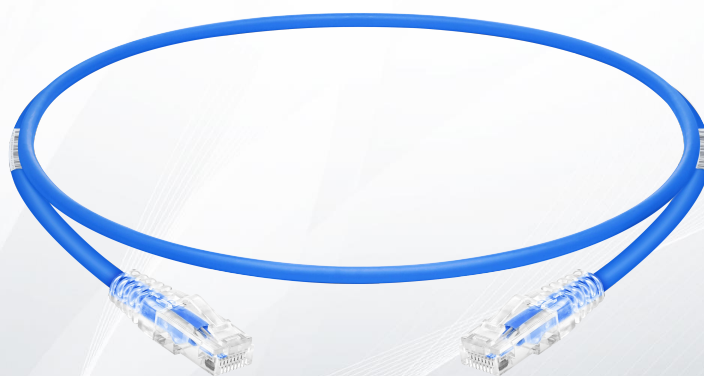


Cat6 UTP LSZH Patch Cables

Ideal for 1/10GBase-T Copper Cabling Solution



Overview

Cat6 network patch cable is the cost-effective solution for data center and SMB applications. Design for computer, hubs, switches, routers, DSL/cable modems and patch panel in Gigabit datacenter application. 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 6 and ISO 11801 Class E Standards
- Up to 550MHz with 1G/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
- Solid Cable and RJ45 Modular Plugs with 50μ" Gold-plated Contacts
- Use in Patch Panel or Equipment Connections in Enterprise Networks and Data Center
- For Current and Future Category 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, TIA-568-C.2
Conductor	
Conductor Type	Solid
Conductor Material	Pure Bare Copper
Wire Gauge (AWG)	23
Conductor Qty.	4 Twisted Pairs
Insulation	
Insulation Material	HDPE
Insulation Diameter (mm)	0.95 ± 0.05
Core Color	A. Orange, White-Orange, B. Blue, White-Blue, C. Green, White-Green, D. Brown, White-Brown
Sheath	
Material	LSZH (Complies RoHS)
Outer O.D. (mm)	5.8 ± 0.4
Thickness (mm)	0.55 ± 0.05
Color	Blue/Gray/Black/Red/Purple Green/White/Yellow/Orange
Surface	Clean, Frap, Satiation

Specification

Electrical Characteristics (20 °C)

Data Rate Support	1/10GBase-T
Standard Bandwidth (MHz)	250
Reference Bandwidth (MHz)	550
1-250MHz, Characteristic Impedance (Ω)	100 ± 15
Max. DC Conductor Resistance Unbalance (%)	5.0
1-250MHz, Delay Skew 20°C (ns/100m)	≤45
Max. DC Resistance 20°C (Ω/100m)	9.38

Mechanical Characteristics

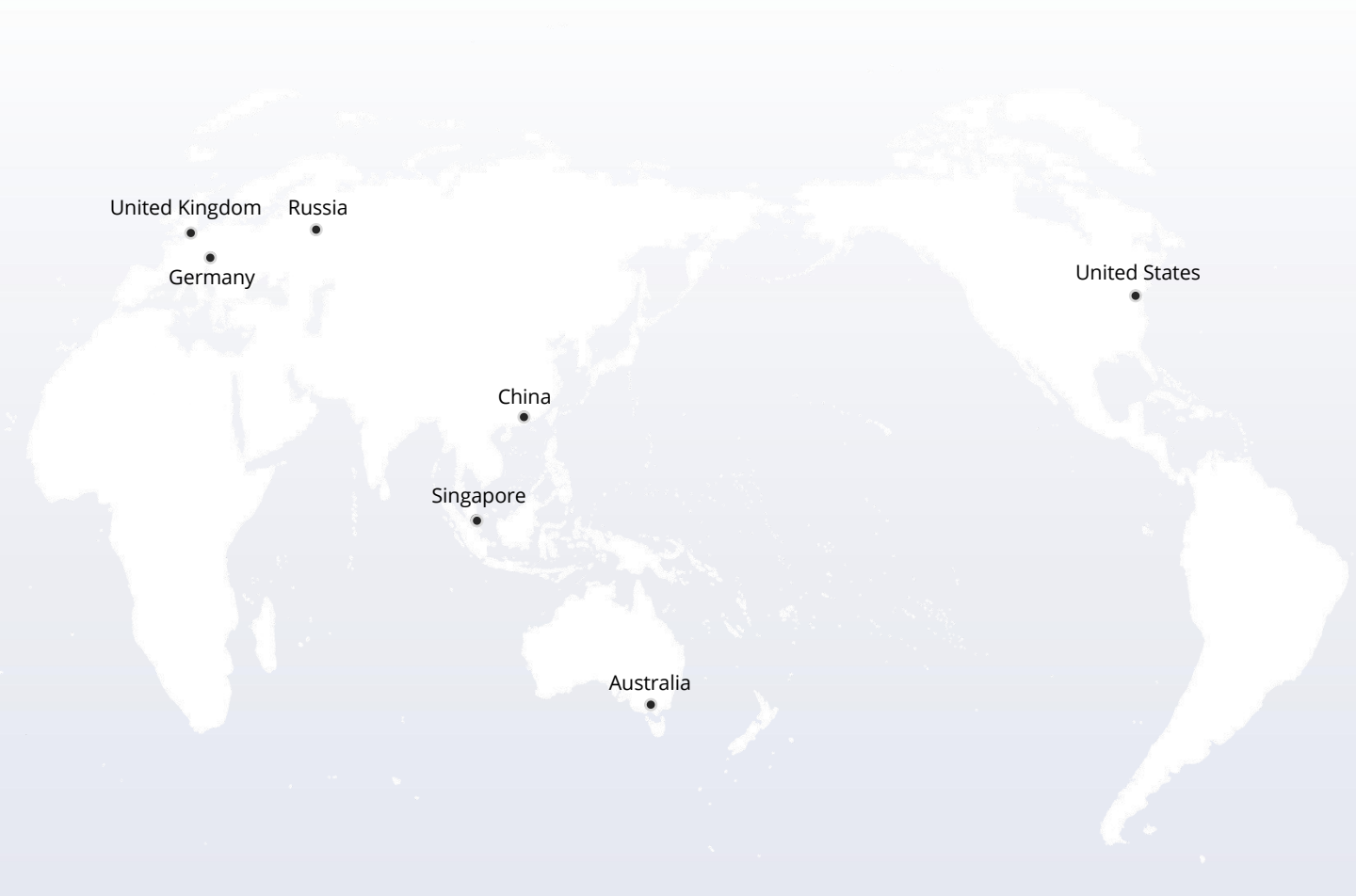
Before Aging Tensile Strength (Mpa)	≥10.0
Before Aging Elongation (%)	≥125
Aging Period (°C×hrs)	100°C×24h×7d
After Aging Tensile Strength (Mpa)	≥8.0
After Aging Elongation (%)	≥100
Cold Bend (-20±2°C×4h)	No Visible Cracks
Min. Bend Radius (cm)	2.32 ± 0.04

Surface Printing

Letter Height (mm)	3.0 ± 0.3
Color	Black

Specification

Others	
Rip Cord	No
Drain Wire	No



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