

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 50 μ " 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

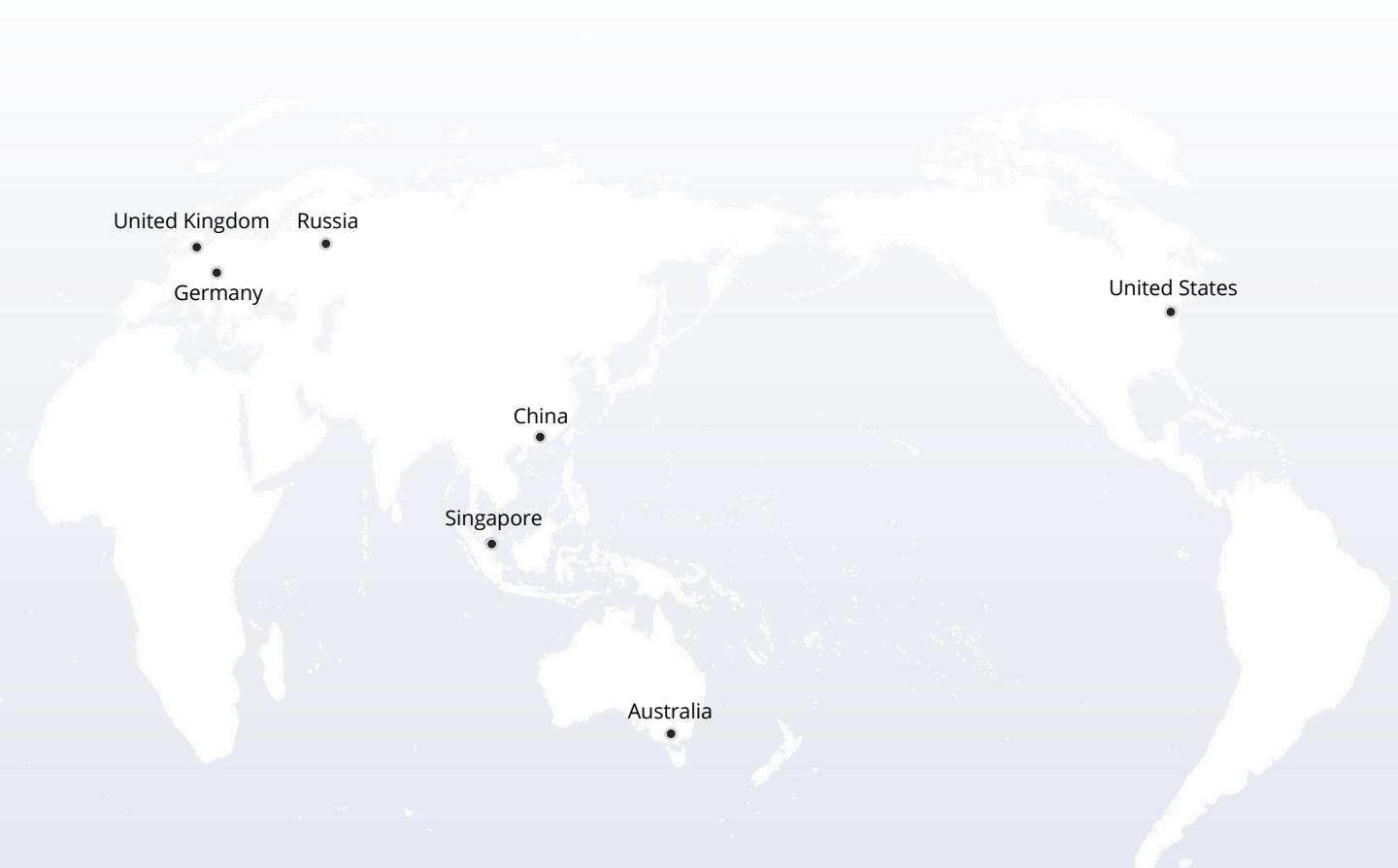
Letter Height (mm)	3.0 ± 0.3
Color	Black

Specification

Others

Rip Cord	No
-----------------	----

Drain Wire	No
-------------------	----



 <https://www.fs.com>



The information in this document is subject to change without notice. FS has made all efforts to ensure the accuracy of the information, but all information in this document does not constitute any kind of warranty.