

CAT 6 UTP 24 AWG STRANDED PATCH CORD - LSZH



DESCRIPTION

Category 6/Class E, UTP patch cords shall be constructed of 24 AWG unshielded twisted pair stranded copper cable with an enhanced performance modular plug at each end. Patch cord cable shall be offered in multiple colored UTP cable for design flexibility with a clear strain relief boot on each modular plug. All patch cords shall be compatible with both T568A and T568B wiring schemes.

APPLICATION

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 10GBASE-T (10Gigabit Ethernet over limited distances as specified in the industry. 10GBASE-T standards)
- Digital video and broadband/baseband analog video
- Voice over Internet Protocol (VoIP)

FEATURES

- FCC and ANSI Meets ANSI/TIA-1096-A
- Contacts plated with gold for superior performance
- Nominal diameter of 0.235 inch allows for high-density installations and superior panel cable management.
- 100% performance tested for wire map, NEXT, and return loss Guarantee that each patch cord delivers specified performance.
- Meets individual length and color-coding requirements for greater system flexibility.

STANDARDS COMPLIANCE

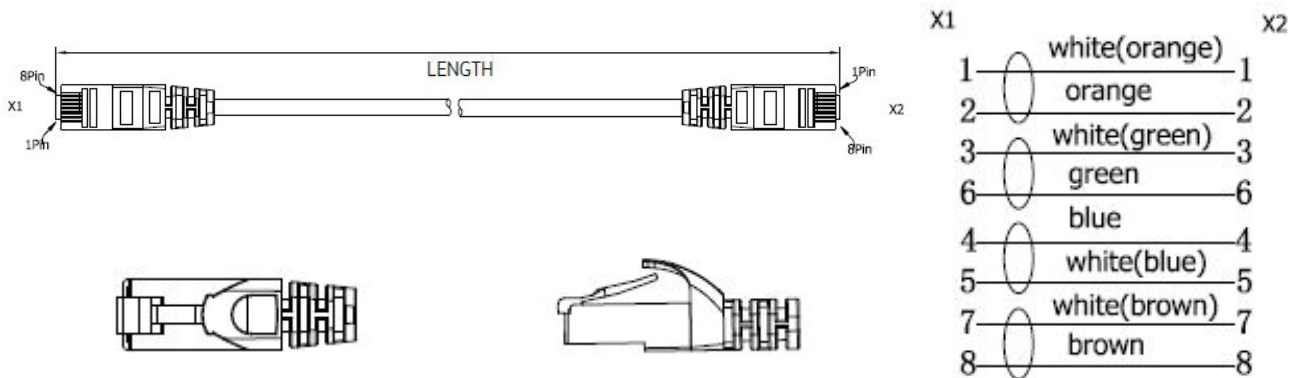
- ANSI/TIA-568.2-D and ISO 11801 Class E
- ROHS compliance: Compliant
- PoE compliance: Rated for 1000 cycles with IEEE 802.3af / 802.3at POE ++
- Flammability rating: LSZH compliance

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TECHNICAL SPECIFICATIONS	
Mechanical Properties	
Plug insertion life minimum	750 insertion cycles
Pulling force	30 N Max
Electrical Properties (-20° C ± 5° C)	
DC Resistance (Ω/100m)	93.8 (Max.)
Resistance Unbalance (%)	5 (Max.)
Delay Skew (20°C (ns/100m)	≤45
Characteristic impedence (Ω)	100 ± 15
Nominal velocity of propogation	69%
Dielectric strength	1000v DC/AC
Environmental specifications	
Operation Temperature	-20°C to +60 °C
Relative Humidity	5% to 85%
Storage Temperature	-10°C to +60°C
Flammability rating	IEC 60332-1

CONSTRUCTION	
Category	CAT 6 U/UTP
Conductor	Stranded-Bare Copper 24 AWG (7/.20)
Insulation	High-Density Polyethylene (HDPE)
Insulation diameter	0.98 mm ± 0.05 mm
External Diameter	6.1mm ± 0.4 mm
Sheath Thickness	0.55 ± 0.05 mm
Sheath Material	LSZH
Twisting	4 twisted pairs, 2 single conductors paired Twisted pair color code: 1: White Blue/Blue 2: Orange White/Orange 3: White Green/Green 4: Brown White/Brown
Cable lay-up	4 pairs with different pitches
Outer diameter	6.1 ± 0.4
Outer jacket	LSZH
Jacket Thickness	0.55 +/- 0.05 mm

TECHNICAL DRAWINGS



ORDERING INFORMATION

Description

Datacom Cat 6 24 AWG Stranded U/UTP Patch Cord, LSZH

Part No.

DC-PC-RJC6-xxM-LSZH-yy

- Xx: Varies from 0.5 To 15 Meters
 - yy: Colour code
- CODE: WT (White), BK (Black), BU (Blue), GR (Green), YL(Yellow)