

CAT 6A UTP 24 AWG STRANDED PATCH CORD LSZH



DESCRIPTION

Datacom Category 6A/Class E, 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 cables 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), 1000BASE-T (Gigabit Ethernet), 10GBASE-T (10Gigabit Ethernet over limited distances as specified in the industry. 10GBASE-T standards)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Digital video and broadband/baseband analog video
- Voice over Internet Protocol (VoIP)

FEATURES

- FCC and ANSI Meets ANSI/TIA-1096-A
- 24 AWG cable 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

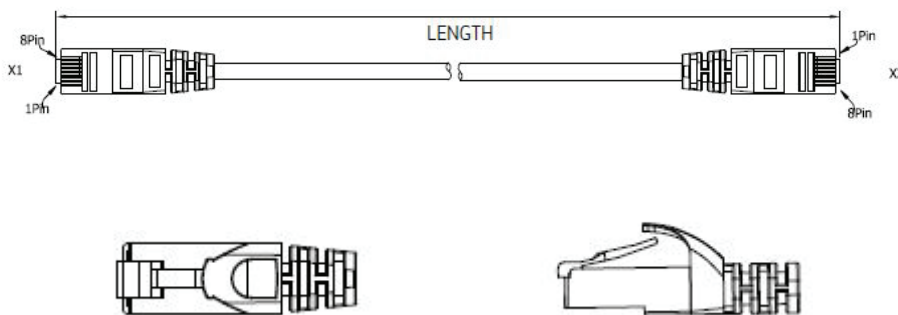
- ANSI/TIA-568.2-D and ISO 11801 Class E
- ROHS compliance: Compliant
- PoE compliance: Rated for 1000 cycles with IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4
- Flammability rating: LSZH compliance

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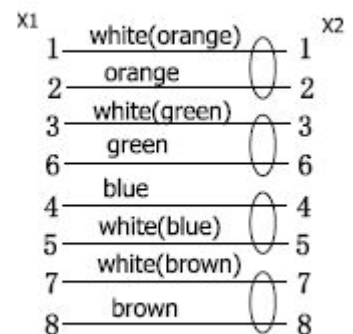
TECHNICAL SPECIFICATIONS	
Mechanical Properties	
Plug insertion life minimum	750 insertion cycles
Pulling force	30 N Max
Electrical Properties (-20° C ± 5° C)	
DC Resistance (Ω/100m)	9.38
Resistance Unbalance (%)	5 .0
Delay Skew	≤45
Nominal velocity of propagation	69%
Dielectric strength	1000v DC/AC
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 6A U/UTP	
Conductor	Stranded-Bare Copper	24 AWG (7/.20)
Insulation	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	

TECHNICAL DRAWINGS



Wiring Diagram



ORDERING INFORMATION

Description

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

Part No.

DC-PC-RJC6A-UT-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)