

CAT 8 24AWG STRANDED S/FTP PATCH CORD - LSZH



DESCRIPTION

Cat 8 Patch Cords are designed to support high-speed 40GBASE-T networks and are backwards compatible with 10/100/1000BASE-T networks. The patch cable is made from high-quality four-pair 24AWG stranded copper wire, pair foiled and overall shielded (S/FTP) LSZH cable pre-terminated with enhanced performance modular plug RJ45 plugs. Available in a range of colors and lengths. Exceeds all ANSI/TIA-568.2-D Category 6A and ISO 11801 Class EA standards for all frequencies from 1 to 2000 MHz.

APPLICATION

- Ethernet 40BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet).
- 10GBASE-T (10Gigabit Ethernet over limited distances as specified in the industry 40GBASE-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) 40GBASE-T Ethernet /Data center I/O Consolidation / Data center server virtualization / Backbone
- Aggregation / Parallel processing and high-speed computing.

FEATURES

- FCC and ANSI Meets ANSI/TIA-568.2-D
- 50U" Gold Plating Contacts.
- S/FTP stranded 24 AWG copper cable suitable 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 colour-coding requirements for greater system flexibility.
- 4 pair 24 AWG stranded copper wire Pre-terminated with RJ45 plugs
- 40G Performance when installed as a complete Datacom 8 Shielded System.

STANDARDS COMPLIANCE

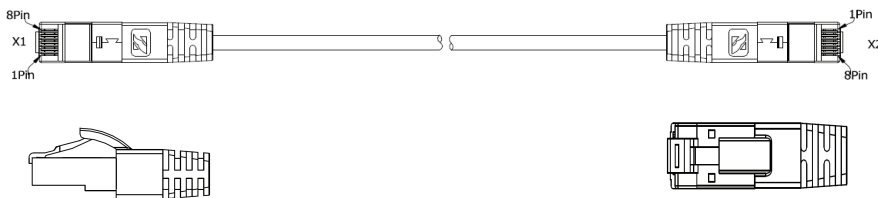
- ANSI/TIA-568.2-D and ISO/IEC 11801
- IEC 60332-1-1
- ROHS compliance: Compliant
- PoE compliance: Rated for 1000 cycles with IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4
- Flammability rating: LSZH compliance

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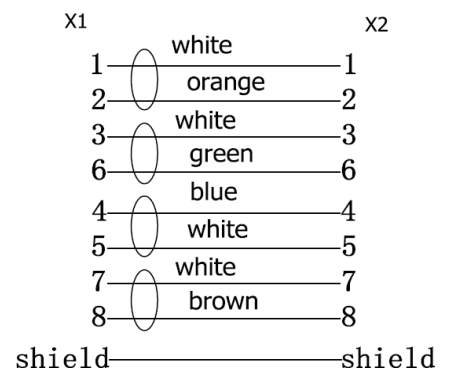
TECHNICAL SPECIFICATIONS	
Mechanical Properties	
Plug insertion life minimum	750 insertion cycles Min.
Pulling force	50 N
Electrical Properties (-20°C ± 5°C)	
DC Resistance (Ω/100m)	95
Resistance Unbalance (%)	2(Max.)
Unbalanced-to-Ground Capacitance (pf/100m)	Max160
Characteristic impedance (Ω)	100 Ω
Nominal velocity of propagation	76%
Delay Skew (ns/100m)	≤25
Dielectric strength	10MΩ 300VDC
Environmental specifications	
Operation Temperature	-20°C to +60 °C
Relative Humidity	10%~90%RH
Storage Temperature	0°C to +60°C
Flammability rating	IEC 60332-1

CONSTRUCTION	
Category	CAT 8 S/FTP
Conductor	Stranded-Bare Copper 24AWG (7/0.20)
Insulation	Skin-foam-skin-PE
Insulation diameter	1.40±0.05 mm
Inner screening	Aluminum /Mylar
Outer Screening	Tinned copper 0.10mm, Coverage ≥60%
External Diameter	7.5mm ± 0.5 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

TECHNICAL DRAWINGS



Wiring Diagram



ORDERING INFORMATION

Description

Datacom Cat8 24AWG Stranded Bare Copper Patch Cord-LSZH

Part No.

DC-STPC8X4'yy-'xxM

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