

# CAT 6A S/FTP 26 AWG STRANDED PATCH CORD LSZH



## DESCRIPTION

Datacom Cat 6A Patch Cords are designed to support high speed 10GBASE-T networks and are backward compatible with 10/100/1000BASE-T networks. The patch cable is made from high quality four pair 26AWG stranded copper wire, shielded LSZH cable and are 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 500 MHz.

## 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)
- 10GBASE-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-1096
- S/FTP stranded 26 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 color-coding requirements for greater system flexibility.
- 4 pair 26 AWG stranded copper wire Pre-terminated with RJ45 plugs
- 10G Performance when installed as a complete Datacom 6A Shielded System

## STANDARDS COMPLIANCE

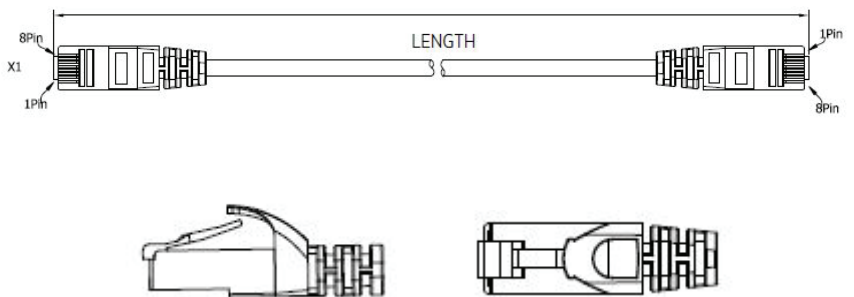
- ANSI/TIA-568.2-D and ISO 11801 Class E
- IEC 60332-1-1
- ROHS compliance: Compliant
- PoE compliance: Rated for 1000 cycles with IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4
- Flammability rating: LSZH compliance

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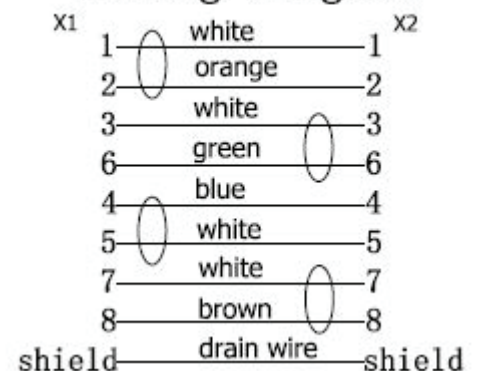
TECHNICAL SPECIFICATIONS	
<b>Mechanical Properties</b>	
Plug insertion life Minimum	750 insertion cycles
Pulling force	30 N Max
<b>Electrical Properties (-20° C ± 5° C)</b>	
DC Resistance (Ω/100m)	14.8
Resistance Unbalance (%)	5 (Max.)
Unbalanced to Ground Capacitance (pf/100m)	Max 330
Characteristic impedence (Ω)	100 ± 15, (1-250MHz), 100 ± 22, (1-500MHz)
Nominal velocity of Propogation	74%
Dielectric strength	1000v DC/AC
<b>Environmental specifications</b>	
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 S/FTP
Conductor	Stranded-Bare Copper 26 AWG (7/.16)
Insulation	Skin-foam-skin-PE
Insulation diameter	1.00 mm ± 0.05 mm
Inner screening	Aluminum /Mylar
Outer Screening	Tinned copper 0.10mm
External Diameter	6.1mm ± 0.3 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 26 AWG Stranded S/FTP Patch Cord, LSZH

### Part No.

DC-PC-RJC6A-SF-xxM-LSZH-yy

- Xx: Varies from 0.5 To 15 Meters
- yy: Colour code