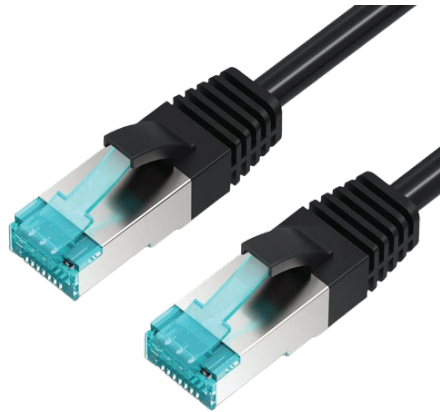


ULTRA SLIM SHIELDED 28 AWG STRANDED PATCH CORD LSZH



DESCRIPTION

DATACOM Cat6 /Cat6A classEA Shielded Ultra Slim Patch Cord is a 5.4±0.4mm diameter 4 pair cable terminated with 50-micron gold plated modular plugs. Ultra Slim cords are constructed of 28 AWG shielded, twisted pair, solid, LSZH cable with high-performance modular plugs. Its compact 28 AWG design simplifies installation and management. DATACOM Ultra Slim cord plug latch prevents snags and provides easy release, saving time on frequent moves and Changes. Cat6 and Cat6A LSZH cords are varieties of length and 6 colors are available.

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.

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

FEATURES

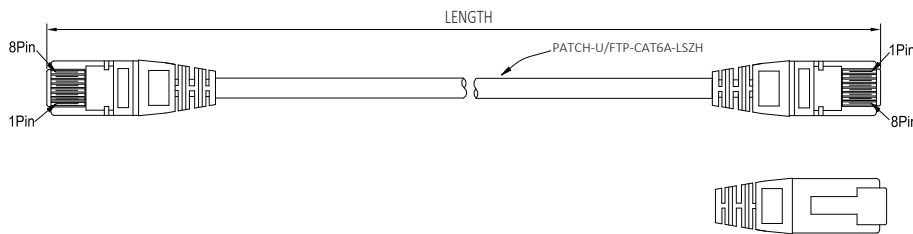
- Exceeds all ANSI/TIA-568.2-D Category 6A and ISO 11801 Class EA electrical performance requirements for frequencies up to 500 MHz (Cat6A).
- Meets ANSI/TIA-1096, Supports IEEE 802.3af/802.3at (48 cables in a bundle) and 802.3bt type 3 and type 4 (24 cables in a bundle) PoE applications.
- 100% performance tested for wire map, NEXT and return loss, Centered de-embedded plug, Integral pair manager, Patented tangle-free latch.
- Conductor contacts plated with 50 micron gold for superior Performance
- 4 pair 28 AWG stranded copper wire Pre-terminated with RJ45 plugs
- 10G Performance when installed as a complete Datacom 6A Shielded System

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TECHNICAL SPECIFICATIONS	
Mechanical Properties	
Plug insertion life Minimum	750
Pulling force	30 N Max
Electrical Properties (-20° C ± 5° C)	
DC Resistance (Ω/100m)	23.7
Resistance Unbalance (%)	5
Unbalanced to Ground Capacitance (pf/100m)	330
Characteristic impedance (Ω)	100
Nominal velocity of Propagation	74%
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

CONSTRUCTION	
Category	CAT 6A U/FTP
Conductor	Stranded-Bare Copper 28 AWG
Insulation	HDPE
Insulation diameter	0.83 mm
Inner screening	Aluminum /Mylar
Outer Screening	Tinned copper 30%
External Diameter	4.4±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	5.6±0.4 mm
Outer jacket	LSZH

TECHNICAL DRAWINGS



ORDERING INFORMATION

Description

Datacom Cat6 28 AWG Stranded Shielded Patch Cord, LSZH

Datacom Cat6A 28 AWG Stranded Shielded Patch Cord, LSZH

Part No.

DC-PC-'xx''y'C628-'L'M-LSZH-'CL'

DC-PC-'xx''y'C6A28-'L'M-LSZH-'CL'

- xx: Type of cable. Values - FU (F/UTP) , SF (S/FTP)
- y = Country of Origin Values - T = Taiwan, C = China
- L = Length of cord in Meters. M - denotes Meter (0.2M-5M)
- CL = Color of Patch cords - WT - White, BU - Blue, YL - Yellow, GY - Gray.