

CAT 6A S/FTP 28 AWG Data Ultra Slim Patch Cord, LSZH - FCP6ASLUMx



DESCRIPTION

FABNET Category 6A classEA Shielded Ultra Slim Patch Cord is a 5.2±0.4mm diameter 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. CAT6A patch cables are used for Gigabit Ethernet 10GBASE-T speed and 500 MHz frequency requirements. These high-performance patch cords are available in various colors and lengths. All patch cords shall be compatible with both T568A and T568B wiring schemes. Its compact 28 AWG design simplifies installation and management.

APPLICATIONS

- 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)
- Digital video and broadband/baseband analog video
- Connection between wall outlets or equipment

SPECIFICATIONS & FEATURES

- Compliant with ISO/IEC11801:2011(Ed. 2.2) ANSI/TIA/EIA-568.2-D
- Outer Jacket: LSZH
- Flame test: comply with IEC 60332-1-2
- 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
- PoE compliance: Rated for 1000 cycles with IEEE 802.3af / 802.3at POE ++
- ROHS compliance: Compliant

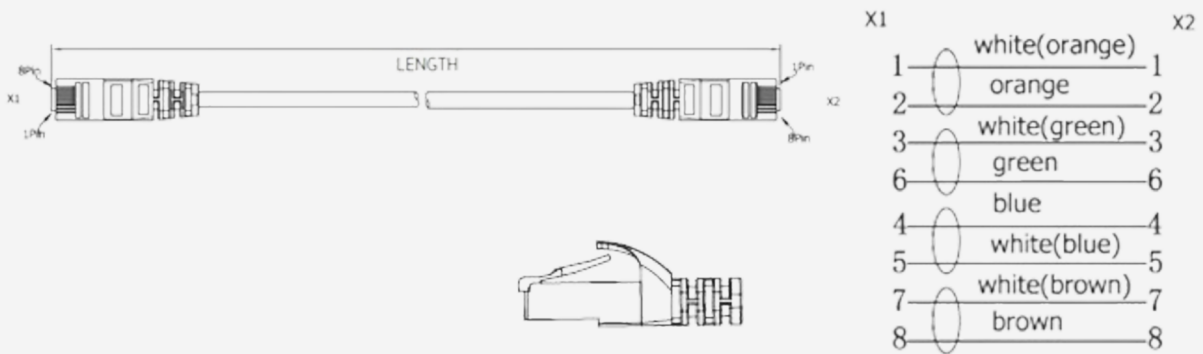
PHYSICAL PROPERTIES

Basic Conductor	Stranded bare copper 28 AWG	Category	CAT 6A S/FTP
Wire Insulation	Polyolefin	Number of insulated conductors	8, twisted in 4 pairs.
Jacket Color	Blue, Gray, Red, White, Green, Yellow, Black, Customized	Color Code of Pairs	Orange x White/Orange, Green x White/Green, Blue x White/Blue, Brown x White/ Brown
Cable OD	5.2±0.4 mm	Insulation diameter	0.83mm
Outer Jacket	LSZH (Halogen free) flame retardant	RJ45 Plug	Plug Contact Material 2.54µm (100µ-inch) Nickel over 1.27µm (50µ-inch) gold covering
Jacket Thickness	0.55 +/- 0.05 mm	Cable lay-up	4 pairs with different pitches
Individual Shielding	Aluminum foil	Overall Shielding	Tinned copper braid laid

ELECTRICAL & MECHANICAL PROPERTIES

Conductor Resistance	280 Ohm/km Max
Pulling force	30 N Max
Characteristic Impedance	100 ± 6 Ohm @ 1-5000MHz
Contact Resistance	20 mOhm max.
Resistance unbalance	2% max
Dielectric strength	1000 volts/1 minute min rms
Coupling attenuation	55 dB min @ 30-100 MHz 55-20log(f/100) @100-500 MHz
Cable to Plug Tensile Strength	9 Kgf (90N) min
Durability	1200 plug - in - out
Temperature operating range	-25°C to +70°C

TECHNICAL DRAWING



ORDERING INFORMATION

FCP6ASLUMxx

CAT 6A S/FTP 28 AWG Data Ultra Slim Patch Cord, LSZH

x-Length Variants (0.5,01,02,03,05,10,15,20, Customized)

x-Colour Variants (Blue, Gray, Red, White, Green, Yellow, Black, Customized)