

CAT 6 F/UTP 24 AWG Data Patch Cord, LSZH - FCP6ULMx



DESCRIPTION

FABNET Category 6 F/UTP patch cords are specifically designed and manufactured to deliver robust standards-based performance ensuring optimum bandwidth for today's high-speed network applications. The patch cord is shielded with foil on the overall 4 pairs, which is ideal use in external interference environment.

APPLICATIONS

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T Standards.
- Digital video and broadband/baseband analog video.
- Voice over Internet Protocol (VoIP).
- Connection between wall outlets or equipment

SPECIFICATIONS & FEATURES

- Compliant with ISO/IEC11801:2011(Ed. 2.2) ANSI/TIA/EIA-568.2-D
- Outer Jacket: PVC/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 ++

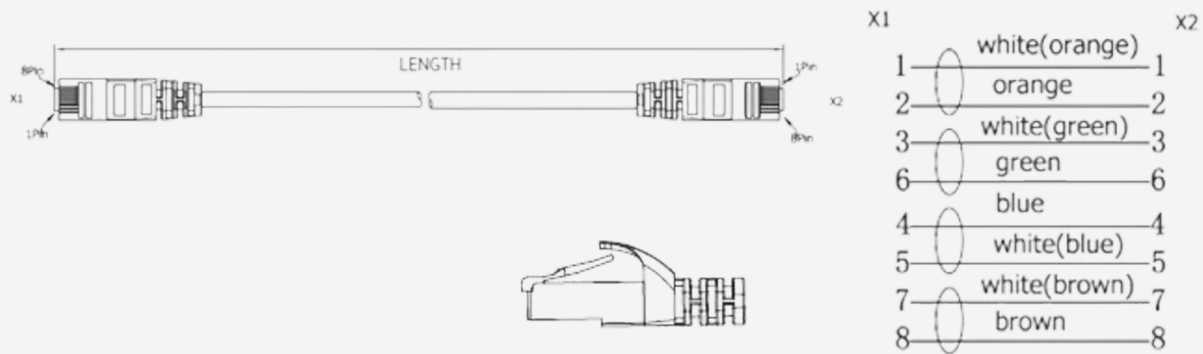
PHYSICAL PROPERTIES

Basic Conductor	Stranded bare copper 24 AWG	Category	CAT 6 F/UTP
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	6.1 ± 0.2 mm	Insulation diameter	0.98 mm ± 0.05 mm
Outer Jacket	LSZH (Halogen free) flame retardant or PVC	RJ45 Plug	Plug Contact Material 1.27µm (50µ-inch) gold over 2.54µm (100µ-inch) Nickel covering
Jacket Thickness	0.55 +/- 0.05 mm	Cable lay-up	4 pairs with different pitches
Shielding	Aluminum foil for overall four pairs	Aluminum Foil	125% coverage

ELECTRICAL & MECHANICAL PROPERTIES

Conductor Resistance	$\leq 5\Omega$
Insulation Resistance	$\geq 10M\Omega$
Characteristic Impedance	$100 \pm 6 \text{ Ohm @ } 1\text{-}250\text{MHz}$
Contact Resistance	20 mOhm max.
Resistance unbalance	2% max
Dielectric strength	1000 volts/1 minute min rms
Coupling attenuation	40dB dak @ 30-100 MHz 40-20log (f / 100) @ 100-250 MHz
Cable to Plug Tensile Strength	9 Kgf (90N) min
Durability	1200
Temperature operating range	-25°C to +70°C

TECHNICAL DRAWING



ORDERING INFORMATION

FCP6SPMxx CAT 6 F/UTP 24 AWG Data Patch Cord, PVC

FCPSULMxx CAT 6 F/UTP 24 AWG Data 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)