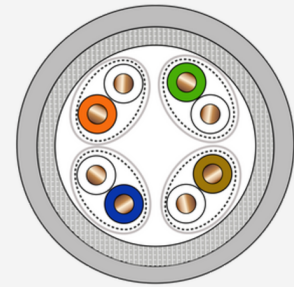


Data Cable, Cat6A, S/FTP, 23AWG, LSZH - FC6ASFLW



DESCRIPTION

FABNET Category 6A shielded twisted pair (S/FTP) cables are constructed with a 4 x 2 x 23 AWG copper wire structure to Class EA standards and to support protocols up to 500 MHz. F/FTP cables are excelled in environments prone to heavy external interference like EMI, ensuring uninterrupted signal transmission. Excellent shielding effect due to individually screened pairs and overall copper braid. Supports channel performance exceeding ANSI/TIA and ISO/IEC Category6A requirements.

APPLICATIONS

- Supports category 6A (Class EA) networks running up to 500MHz applications.
- 100BASE-T through 10GBASE-T Ethernet
- Power over Ethernet (PoE)- IEEE 802.3bt Type 1 to 4
- Horizontal and backbone in structured cabling installations

SPECIFICATIONS & FEATURES

- The cable shall meet ANSI/TIA-568.2-D and ISO 11801 Category 6A standards.
- Outer Jacket: LSZH
- 23AWG premium grade copper conductor
- Fully shielded construction ensures virtually zero cross talk

MECHANICAL & PHYSICAL PROPERTIES

Basic Conductor	Solid Bare Copper	Category	CAT 6A S/FTP
Conductor Size	23 AWG	Pulling Force	50 N
Insulation	Polyolefin	Short Term Bend Radius	4xOD mm
Number of Insulated Conductors	8, twisted in 4 pairs	Long Term Bend Radius	8xOD mm
Color Code of Pairs	Blue x White/Blue, Orange x White/ Orange, Green x White/Green, Brown x White/ Brown	Operating Temperature	-40 to +70C
Outer Jacket	LSZH	Installation Temperature	-10 to +50C
Jacket Color	White. Other colors available upon request	Storage Temperature	-40 to +70C
Overall Outer Shield	Tinned Copper Braid	Individual shield	Aluminum Foil Tape

ELECTRICAL SPECIFICATIONS

Characteristic Impedance	100±6 Ohm @ 1-500 MHz
DC Resistance	76 Ohm/km max.
Resistance unbalance	2% max
Capacitance	45 pF/m nom. @ 1 KHz
Cap. Unbalance (wire to ground)	1600 pF/Km max. @ 1 KHz
Voltage rating	72 Vdc max.
Dielectric strength	1.7 KV A.C/2 Seconds
Velocity of Propagation (NVP)	Min. %78 - 80
Propagation delay	534 + 36/f½ nS/100m max @ 1-500 MHz
Propagation Delay Skew	45 nS/100m max @ 1-500 MHz
Insulation Resistance	5000 MegaOhm·Km min. @ 500 Vdc
Coupling attenuation	55 dB min @ 30-100 MHz 55-20Log(f/100) @100-500 MHz

PACKING DETAILS

Length (Mtr)	Approx. OD(mm)	Packaging Type
305	7.4±0.3	BOX
500	7.4±0.3	REEL

ORDERING INFORMATION

FC6ASFLW-AT	Data Cable, Cat6A, S/FTP, 23AWG, LSZH, White, 305 Mtr
FC6ASFLW-AF	Data Cable, Cat6A, S/FTP, 23AWG, LSZH, White, 500 Mtr

*Jacket Colour Variants (W-White, B-Blue, G-Gray, C-Customized)