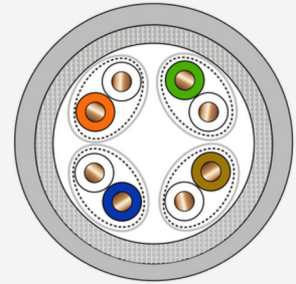


Data Cable, Cat6, S/FTP, 23AWG, LSZH - FC63SFLW



DESCRIPTION

FABNET Category 6 S/FTP cables are specifically designed to deliver robust standards-based performance ensuring optimum bandwidth for today's high speed network applications. Category 6 cable shall meet ANSI/TIA-568-2. D Category 6 component standard. The conductors shall be 23 AWG construction with Polyethylene insulation. The copper conductors shall be twisted in pairs and covered by LSZH jacket. Each Category 6 S/FTP exceeds the minimum specified performance for Category 6 S/FTP cables and supports all CLASS E applications.

APPLICATIONS

- Supports category 6 (Class E) networks running up to 250MHz applications.
- 10BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T (IEEE802.3)
- Horizontal and backbone in structured cabling installation

SPECIFICATIONS & FEATURES

- The cable shall meet ANSI/TIA-568-D.2 Cat 6 and ISO/IEC 11801-2ND EDITION Class E performance requires.
- Outer Jacket: LSZH
- 23AWG premium grade copper conductor
- S/FTP cable structure for better shielding in external interference environments

MECHANICAL & PHYSICAL PROPERTIES

Basic Conductor	Solid Bare Copper	Category	CAT 6 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
Individual Pair Shield	Aluminum Foil Tape	Overall shield	Braided tinned copper wire screen

ELECTRICAL SPECIFICATIONS

Characteristic Impedance	100±6 Ohm @ 1-250 MHz
DC Resistance	80 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)	67-69%
Propagation delay	534 + 36/f ^{1/2} nS/100m max @ 1-250 MHz
Propagation Delay Skew	45 nS/100m max @ 1-250 MHz
Insulation Resistance	5000 MegaOhm-Km min. @ 500 Vdc
Coupling attenuation	55 dB min @ 30-100 MHz 40-20Log(f/100) @100-250 MHz

PACKING DETAILS

Length (Mtr)	Approx. OD(mm)	Packaging Type
305	7.2±0.3	BOX
500	7.2±0.3	REEL

ORDERING INFORMATION

FC63SFLW-AT	Data Cable, Cat6, S/FTP, 23AWG, LSZH, White, 305 Mtr
FC63SFLW-AF	Data Cable, Cat6, S/FTP, 23AWG, LSZH, White, 500 Mtr

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