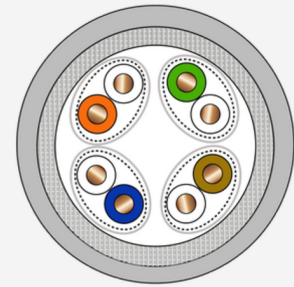


Data Cable, Cat7A, S/FTP, 23AWG, LSZH - FC7ASFLW



DESCRIPTION

FABNET Category 7A Shielded cable features individual shielding for each pair and an additional common shield made of tinned copper braid, making it ideal for shielded systems. Category 7A cables are produced according to EIA/TIA 568 standard ensure high performance up to 1000 MHz.

APPLICATIONS

- Supports Category 7A networks up to 1000MHz
- 100BASE-T through 10GBASE-T Ethernet
- Power over Ethernet (PoE)- IEEE 802.3bt Type 1 to 4
- Horizontal , backbone & Data Center in structured cabling installations

SPECIFICATIONS & FEATURES

- The cable shall meet ANSI/TIA-568-D.2, ISO 11801
- Outer Jacket: LSZH (Low Smoke Zero Halogen) flame retardant
- 23AWG premium grade copper conductor
- Fully shielded construction ensures virtually zero cross talk

MECHANICAL & PHYSICAL PROPERTIES

Basic Conductor	Solid Bare Copper	Category	CAT 7A S/FTP
Conductor Size	23 AWG	Pulling Force	50 N / mm ² max
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 flame retardant	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 @ 1-1000 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	1500 Volt / 1 minute min. rms
Velocity of Propagation (NVP)	Min. %77 - 80
Propagation delay	534 + 36/f½@ 1-1000 MHz
Propagation Delay Skew	25 nS/100m max @ 1-1000 MHz
Insulation Resistance	5000 MegaOhm·Km min. @ 500 Vdc
Coupling attenuation	55 dB min @ 30-100 MHz 55-20Log(f/100) @100-1000 MHz

PACKING DETAILS

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

ORDERING INFORMATION

FC7ASFLW-AT	Data Cable, Cat7A S/FTP, 23AWG, LSZH, White, 305 Mtr
FC7ASFLW-AF	Data Cable, Cat7A, S/FTP, 23AWG, LSZH, White, 500 Mtr

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