

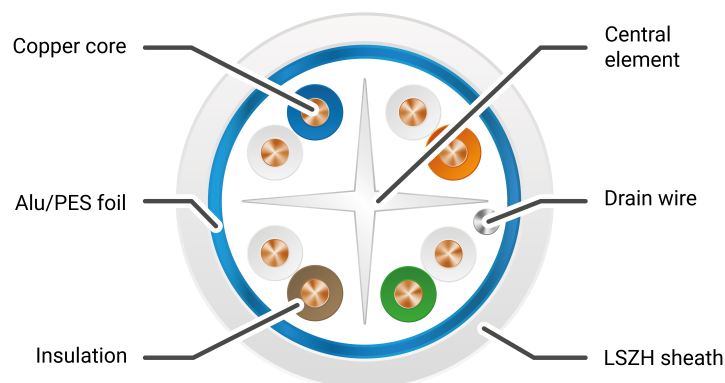
FTP46SHBL

CAT6 F/UTP 1x4P LSZH Dca Cable
LINK+ range – Drum of 500m



DESCRIPTION

The CAT6 F/UTP FTPx6SH cable is used for indoor fixed IP links (workstations, Wi-Fi access points, variable message signs, IP cameras, etc.). It is compatible with PoE+ power. It is CPR-compliant and offers a Dca rating.



ADVANTAGES

- Electrical supply of equipments (camera, hotspot wifi, IP phone,...)



CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	FTPx6SHy
Core gauge	AWG23
Assembly type	Pairs
Shielding description	Aluminium polyester tape
Outer Sheath Material	LSZH
Color	White RAL 9003
Nom. diameter of the outer sheath (mm)	7
Ground drain presence	No
Shielding type	F/UTP
Insulation Color Code	Blue and White blue or White - Orange and White orange or White - Green and White green or White - Brown and White brown or White
Nominal insulation diameter (mm)	1,05

ELECTRICAL CHARACTERISTICS

Loop resistance	170
Minimum insulation resistance	> 5000 MΩ x km
Service Voltage (V)	<250Vdc
Linear electrical resistance (Ω/Km)	85
Mutual Capacity	< 45 pF
Capacity Imbalance	< 1600 pF/km

TRANSMISSION CHARACTERISTICS

Coupling attenuation (dB)	65
Delay skew	< 45
Unbalance resistance	< 2
Propagation speed (%)	69
Segregation Class	C
Performance Category	Category 6
Data Transmission Standard	EIA/TIA 568-C.2 Cat6, EN 50173-1: 2011 Classe E, ISO 11801 Ed.3 Classe E
Characteristic Impedance (Ohms)	100
Conductor/Shield Capacitance	1,6 nF/km
Conductor/Conductor Capacitance	45 nF/km

ENVIRONMENTAL CHARACTERISTIC

CPR classification	Dca s2, d2, a2
Fire behaviour	IEC 60332-1
Smoke emission	IEC 61034-1 & -2
Gas emission	IEC60754-2
RoHS Compliance	Compliant with the RoHS directive
Component Standard	IEC 61156-5 Cat6

ADDITIONAL INFORMATION

Product Packaging	Drum of 500m
Weight (Kg)	0.05

TRANSMISSION PERFORMANCE

FREQUENCY (Mhz)	INSERTION LOSS (dB/100M)		NEXT (dB/100M)		PSNEXT (dB/100M)		ACR-F (dB/100M)		PSACR-F (dB/100M)		RETURN LOSS (dB/100M)	
	Standard	Typical Value	Standard	Typical Value	Standard	Typical Value	Standard	Typical Value	Standard	Typical Value	Standard	Typical Value
4	-3,8	-3,6	-66,3	-82,8	-63,3	-79,8	-56,0	-85,7	-53,0	-82,7	-23,0	-32,6
10	-6,0	-5,7	-60,3	-81,7	-57,3	-78,7	-48,0	-79,1	-45,0	-76,1	-25,0	-41,5
16	-7,6	-7,2	-57,2	-76,8	-54,2	-73,8	-43,9	-73,1	-40,9	-70,1	-25,0	-42,8
20	-9,6	-9,1	-54,3	-80,8	-51,3	-77,8	-40,0	-72,7	-37,0	-69,7	-24,3	-33,1
31,25	-10,7	-10,2	-52,9	-74,8	-49,9	-71,8	-38,1	-70,2	-35,1	-67,2	-23,6	-34,8
100	-19,9	-18,4	-48,4	-63,0	-45,4	-60,0	-28,0	-60,1	-25,0	-57,1	-20,1	-36,0
200	-29,1	-26,2	-40,8	-58,2	-37,8	-55,2	-22,0	-51,4	-19,0	-48,4	-18,0	-30,9
250	-33,0	-29,5	-39,3	-57,5	-36,3	-54,5	-20,0	-52,8	-17,0	-49,8	-17,3	-33,6