

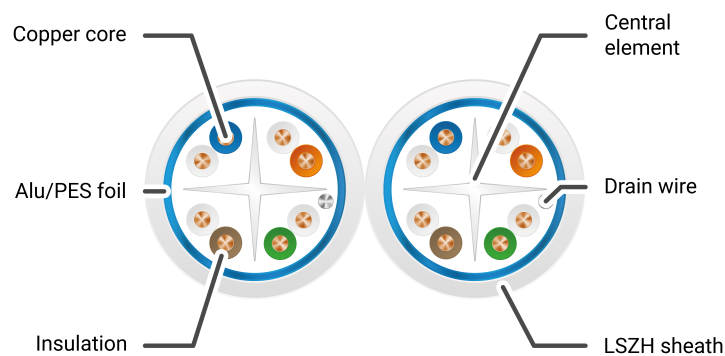
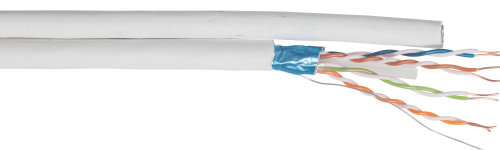
FTP86SHBL

**CAT6 F/UTP 2x4P 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)	0.086

## 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