

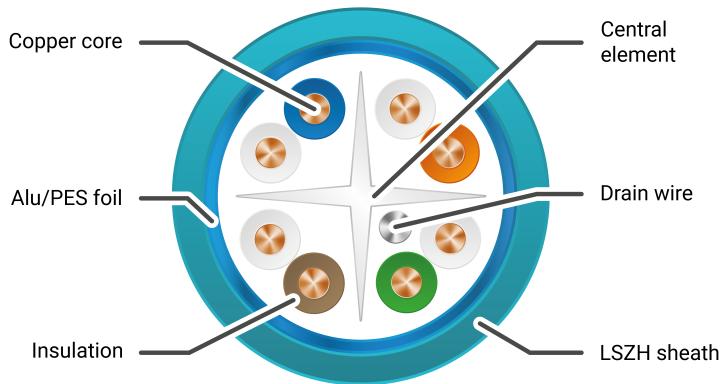
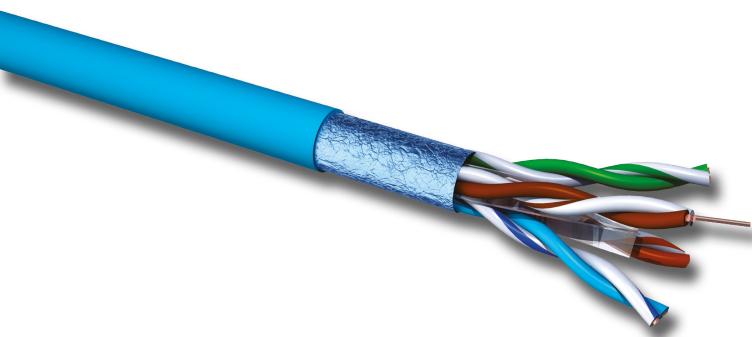
CX64SHC5

CAT6 F/UTP 1x4P 350 MHz LSZH Cca
Cable Drum of 500m



DESCRIPTION

CAT6 cable is a basis for structured cabling, supporting any type of IP application. With its general shielding, it makes it suitable for use in an environment with interference and provides operation above the requirement of the standards, up to 350MHz. Its LSZH sheath gives it CPR level Cca.



ADVANTAGES

- Exceeds standard specifications: tested up to 350 MHz
- Available in high CPR level : up to B2ca
- Electrical supply of equipments (camera, hotspot wifi, IP phone,...)



CONSTRUCTION & TECHNICAL PERFORMANCE

Product Type	CX6xSHCyyz
Core gauge	AWG23
Core Composition	AWG23
Assembly type	Pairs
Shielding description	Aluminium polyester tape
Outer Sheath Material	LSZH
Color	Blue RAL 5024
Minimum diameter of the outer sheath (mm)	6.50 x 13.70
Ø SHEATH NOM (mm)	7.00 x 14.20
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
Minimum Insulation Diameter (mm)	1
Maximum Insulation Diameter (mm)	1,06
Diameter over Insulation	1,03

ELECTRICAL CHARACTERISTICS

Loop resistance	154
Minimum insulation resistance	> 5000 MΩ x km
Linear electrical resistance (Ω/Km)	77
Service Voltage (V)	<250Vdc
Mutual Capacity	< 45 pF
Capacity Imbalance	< 1600 pF/km

TRANSMISSION CHARACTERISTICS

Coupling attenuation (dB)	55
Transmission Performance	https://adaltra.cloud.akeneo.com/api/rest/v1/media-files/1/2/7/0/1270f8291f2965ba2a6e8b78f4dec3df732fb24c_CX6xSHCyyz_PERFORMANCE_EN.png/download
Delay skew	< 45
Unbalance resistance	< 2
Propagation speed (%)	66

TRANSMISSION CHARACTERISTICS

Transmission Performance	https://adaltra.cloud.akeneo.com/api/rest/v1/media-files/1/2/7/0/1270f8291f2965ba2a6e8b78f4dec3df732fb24c_CX6xSHCyyz_PERFORMANCE_EN.png/download
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

MECHANICAL CHARACTERISTICS

Cable Copper Weight (kg/km)	0.0210
Bending Radius in Fixed Installation	8 x Ø ext
Bending Radius in Mobile Installation	15 x Ø ext

ENVIRONMENTAL CHARACTERISTIC

CPR classification	Cca s1, d1, a1
Fire Standard	IEC 60332-1
Smoke emission	IEC 61034-1 & -2
Gas emission	IEC60754-2
RoHS Compliance	Conforme à la directive RoHS
Component Standard	IEC 61156-5 Cat6

ADDITIONAL INFORMATION

Minimum Cut	0.0000
REF	CX64SHC5
Maximum E-commerce Drop	0.0000
SKU Collection Photo	cx64sh_hd
Cross-section Diagram Photo	CX64SH_COUPE_EN_HD
Model Cross-section Diagram Photo	CX64SH_COUPE_EN_HD
Pictogram	350_mhz
Model Collection Photo	cx64sh_hd
Product Range	Multimedia Connect
Product Packaging	Drum of 500m

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	-91,5	-63,3	-88,5	-56,0	-88,8	-53,0	-85,8	-23,0	-36,8
10	-6,0	-5,7	-60,3	-81,1	-57,3	-78,1	-48,0	-80,6	-45,0	-77,6	-25,0	-35,8
16	-7,6	-7,2	-57,2	-79,6	-54,2	-76,6	-43,9	-77,2	-40,9	-74,2	-25,0	-38,8
20	-9,6	-9,1	-54,3	-80,0	-51,3	-77,0	-40,0	-74,0	-37,0	-71,0	-24,3	-34,2
31,25	-10,7	-10,2	-52,9	-71,4	-49,9	-68,4	-38,1	-72,2	-35,1	-69,2	-23,6	-36,6
62,5	-15,5	-14,0	-50,9	-69,8	-47,9	-66,8	-32,1	-68,2	-29,1	-65,2	-21,5	-41,0
100	-19,9	-18,5	-48,4	-68,4	-45,4	-65,4	-28,0	-64,2	-25,0	-61,2	-20,1	-43,1
125	-22,5	-21,0	-45,3	-64,0	-42,3	-61,0	-26,1	-61,5	-23,1	-58,5	-19,4	-40,0
155	-25,3	-24,0	-42,4	-60,0	-39,4	-57,0	-24,2	-57,5	-21,2	-54,5	-18,8	-37,0
200	-29,1	-26,4	-40,8	-57,7	-37,8	-54,7	-22,0	-56,5	-19,0	-53,5	-18,0	-34,7
250	-33,0	-29,6	-39,3	-57,0	-36,3	-54,0	-20,0	-53,3	-17,0	-50,3	-17,3	-30,6
300	N/A	-32,0	N/A	-56,0	N/A	-53,0	N/A	-50,0	N/A	-47,0	N/A	-27,0
350	N/A	-35,0	N/A	-55,0	N/A	-52,0	N/A	-47,0	N/A	-44,0	N/A	-24,0