

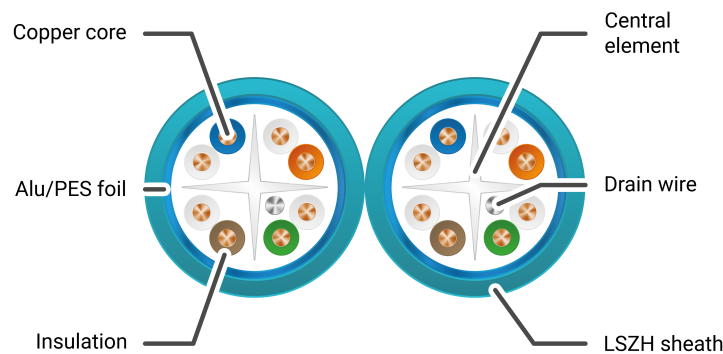
CX68SH5

CAT6 F/UTP 2x4P 350 MHz LSZH Dca
Cable Drum of 500m



DESCRIPTION

The Category 6 cable is a foundation of structured cabling, supporting all types of IP applications. With its overall shielding, it enables use in high-interference environments and ensures operation beyond standard requirements, up to 350 MHz. It holds a CPR classification Dca in accordance with EN 50575.



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	CX6xSHyyyyz
Core gauge	AWG23
Assembly type	Pairs
Shielding description	Aluminium polyester tape
Outer Sheath Material	LSZH
Color	Blue RAL 5024
Nom. diameter of the outer sheath (mm)	7.00 x 14.00
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)	1,03

ELECTRICAL CHARACTERISTICS

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

TRANSMISSION CHARACTERISTICS

Coupling attenuation (dB)	55
Delay skew	< 45
Unbalance resistance	< 2
Propagation speed (%)	66
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)	0.08

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