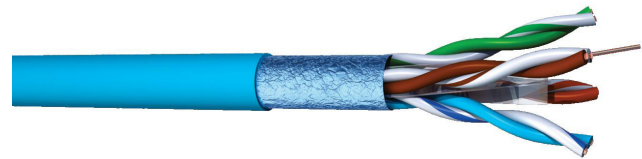
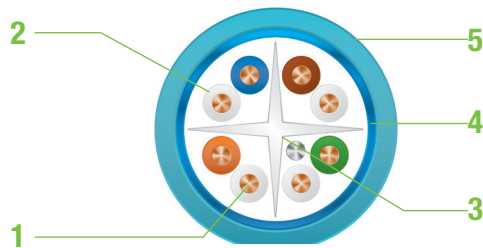




CX6xSHCy

CAT6 F/UTP 4 or 2x4 pairs cable 350MHz LSZH sheath Cca



1. **Conductor** : solid bare copper AWG23
2. **Insulation** : PE HD
3. **Central member** : White or transparent thermoplastic cross
4. **General Shield** : Aluminium/Polyester tape - coverage 110%
5. **Outer sheath** : LSZH - light blue RAL 5024

DESCRIPTIONS

F/UTP cable 4 pairs or 2x4 pairs, CX6xSHCy, can be used in horizontal link or vertical configuration as backbone. It constitutes the base of a structured cabling network and can support all the IP application. The general shield makes it compatible with disturbed environment and operating up to 350MHz.

Performances of the CX6xSHC exceed the current standards, use with Multimedia Connect connectivity it will ensure conformity with Class E / CAT6 channel.

APPLICATIONS

Ethernet Base T up to 1Gbits/s	TOKEN RING 4/16 MBITS
ISDN	ATM 155, 622Mbits/s & 1.2Gbits
IEEE 802.3 af /at : PoE and PoE+	

STANDARDS

CABLE	IEC 61156-5 CAT6
SYSTEME	ISO / IEC 11801 Ed2.2 Class E

ELECTRICAL PROPERTIES

Max linear electrical resistance	95 Ω/Km
Mutual capacity (nom)	45 pF/m
Characteristic impedance	100 +/- 15Ω
Nominal Velocity Propagation	69%



CX6xSHCy

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ENVIRONMENTAL PROPERTIES

CPR Level	Cca - s1,d1,a1
Fire behaviour	IEC 60332-1
Operating Temperature	-20°C / +70°C
Minimum bending radius	8 x cable diameter
Compliant to RoHS	

TRANSMISSION PERFORMANCES @20°C

Freq (Mhz)	Attenuation		NEXT (dB)		PS NEXT (dB)		ACR-F (dB)		PS ACR-F		RL (dB)	
	standard (*)	Typical value	standard (*)	Typical value	standard (*)	Typical value	standard (*)	Typical value	standard (*)	Typical value	standard (*)	Typical value
4	3.8	3.5	66.3	69	63.3	66	55.8	67	52.8	64	23.0	25
10	6.0	5.5	60.3	63	57.3	60	47.8	60	44.8	57	25.0	28
16	7.6	6.9	57.2	60	54.2	57	43.7	66	40.7	63	25.0	28
31.25	10.7	9.8	52.9	55	49.9	52	37.9	51	34.9	48	23.6	27
62.5	15.5	13.9	48.4	51	45.4	48	31.9	43	29.1	40	21.5	25
100	19.9	17.5	45.3	48	42.3	45	27.8	40	24.8	37	20.1	25
200	29.1	25.3	40.8	44	37.8	41	21.8	34	18.8	31	18.0	24
250	33.0	28.3	39.3	42	36.3	39	19.8	27	16.8	24	17.3	23
300	NA	36.2	NA	38	NA	38	NA	22	NA	19	NA	21

(*) standard : values from IEC 61156-5

ORDERING INFORMATION

CABLE 4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
CX64SHGC5	CAT6 CABLE F/UTP 4 PAIRS LSZH Cca	7 mm	DRUM 500M

CABLE 2x4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
CX68SHGC5	CAT6 CABLE F/UTP 2x4 PAIRS LSZH Cca	7 x 14.5mm	DRUM 500M