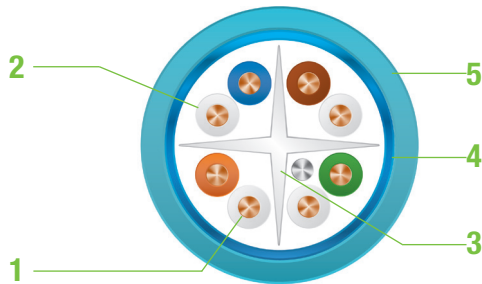




## CX6xSHy

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



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

## DESCRIPTIONS

F/UTP cable 4 pairs or 2x4 pairs, CX6xSHy, 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 CX6xSH 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

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

## ELECTRICAL PROPERTIES

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



## CX6xSHy

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### ENVIRONMENTAL PROPERTIES

CPR Level	Dca - s2,d2,a2
Fire behaviour	IEC 60332-1
Operating Temperature	-20°C / +70°C
Minimum bending radius	8 x cable diameter
<b>Compliant to RoHS</b>	

### 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
CX64SH1	CAT6 CABLE F/UTP 4 PAIRS LSZH	7 mm	COIL 100M
CX64SH5	CAT6 CABLE F/UTP 4 PAIRS LSZH		DRUM 500M
CX64SH10	CAT6 CABLE F/UTP 4 PAIRS LSZH		DRUM 1000M
CX64SH50	CAT6 CABLE F/UTP 4 PAIRS LSZH		DRUM 5000M
CX64SHB	CAT6 CABLE F/UTP 4 PAIRS LSZH		BOX 305M

CABLE 2x4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
CX68SH1	CAT6 CABLE F/UTP 2x4 PAIRS LSZH	7 x 14.5 mm	COIL 100M
CX68SH5	CAT6 CABLE F/UTP 2x4 PAIRS LSZH		DRUM 500M
CX68SH10	CAT6 CABLE F/UTP 2x4 PAIRS LSZH		DRUM 1000M

