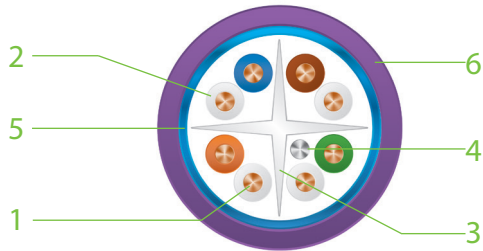




FU510xSHCy

F/UTP CAT6A 4 or 2x4 pairs cable 510MHz LSZH sheath Cca



1. **Conductor** : solid bare copper AWG23
2. **Insulation** : PE Skin Foam Skin
3. **Individual shield** : Aluminum/Polyester foil - coverage 110%
4. **Drain wire** : Solid tinned copper
5. **General shield** : Aluminum/Polyester tape - coverage 110%
6. **Outer sheath** : LSZH - RAL 4001

DESCRIPTIONS

The FU510 is a data cable used in full shielded structured cabling system, for horizontal or vertical (Backbone) configuration. Its performances exceed the limits required by current standards thanks to its excellent high-speed and error free transmission up to 510 Mhz. It constitutes an investment for the future network applications.

High electromagnetic immunity thanks to general shield (coupling attenuation > 75 dB) avoid the Ax Cross Talk measurement on site.

APPLICATIONS

Ethernet Base T up to 10Gbits/s	TOKEN RING 4/16 MBITS
ISDN	ATM 155, 622Mbps/s & 1.2Gbits
IEEE 802.3 af /at / bt: PoE/PoE+/4pPoE	

STANDARDS

CABLE	IEC 61156-5 CAT6a
SYSTEME	ISO / IEC 11801 Ed2.2 Class Ea

ELECTRICAL PROPERTIES

Max linear electrical resistance	95 Ω/Km
Mutual capacity (nom)	45 pF/m
Characteristic impedance	100 +/- 15Ω
Nominal Velocity Propagation	66%





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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

(*) standard : values from IEC 61156-5

Freq (Mhz)	Attenuation		NEXT (dB)		PS NEXT (dB)		ACR-F (dB)		RL (dB)	
	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value	standard (*)	typical value
4	3.8	3	66.3	77	63.3	74	55.9	65	23.0	35
10	5.9	5	60.3	72	57.3	69	47.8	50	25.0	35
16	7.5	6.1	57.2	70	54.2	67	43.7	48	25.0	32.5
20	8.5	8.4	55.8	68	52.8	65	41.8	45	25.0	35
31.25	10.5	9.1	52.9	66	49.9	63	37.9	40	23.6	34
62.5	15.4	15	48.4	64	45.4	61	31.9	36	21.5	33
100	19.1	19	45.3	60	42.3	57	27.8	32	20.1	32
200	27.6	27	40.8	55	37.8	52	21.8	30	18.0	31
250	31.1	30	39.3	50	36.3	47	19.8	25	17.3	28
300	34.3	32	37.2	47	34.2	44	16.9	20	17.3	24
500	45.5	44	34.8	45	31.8	42	13.8	18	17.3	22

ORDERING INFORMATION

CABLE 4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
FU5104SHC5	CAT6A CABLE F/UTP 4 PAIRS LSZH Cca	7 mm	DRUM 500M

