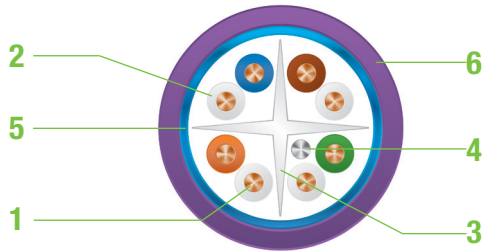




## FU510xSHy

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



- 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, 622Mbits/s & 1.2Gbits
IEEE 802.3 af /at : PoE and PoE+	

## 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%





## FU510xSHy

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

### 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

(\* 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
<b>4</b>	3.8	3	66.3	77	63.3	74	55.9	65	23.0	35
<b>10</b>	5.9	5	60.3	72	57.3	69	47.8	50	25.0	35
<b>16</b>	7.5	6.1	57.2	70	54.2	67	43.7	48	25.0	32.5
<b>20</b>	8.5	8.4	55.8	68	52.8	65	41.8	45	25.0	35
<b>31.25</b>	10.5	9.1	52.9	66	49.9	63	37.9	40	23.6	34
<b>62.5</b>	15.4	15	48.4	64	45.4	61	31.9	36	21.5	33
<b>100</b>	19.1	19	45.3	60	42.3	57	27.8	32	20.1	32
<b>200</b>	27.6	27	40.8	55	37.8	52	21.8	30	18.0	31
<b>250</b>	31.1	30	39.3	50	36.3	47	19.8	25	17.3	28
<b>300</b>	34.3	32	37.2	47	34.2	44	16.9	20	17.3	24
<b>500</b>	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
FU5104SH5	CAT6A CABLE F/UTP 4 PAIRS LSZH	7 mm	DRUM 500M
FU5104SH10	CAT6A CABLE F/UTP 4 PAIRS LSZH		DRUM 1000M
CABLE 2x4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
FU5108SH5	CAT6A CABLE F/UTP 2x4 PAIRS LSZH	7 x 14.5 mm	DRUM 500M
FU5108SH10	CAT6A CABLE F/UTP 2x4 PAIRS LSZH		DRUM 1000M