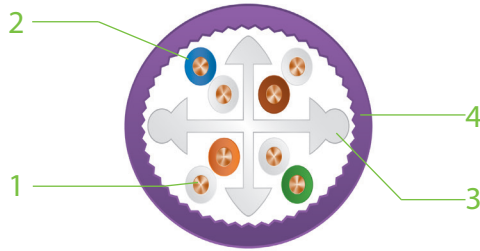


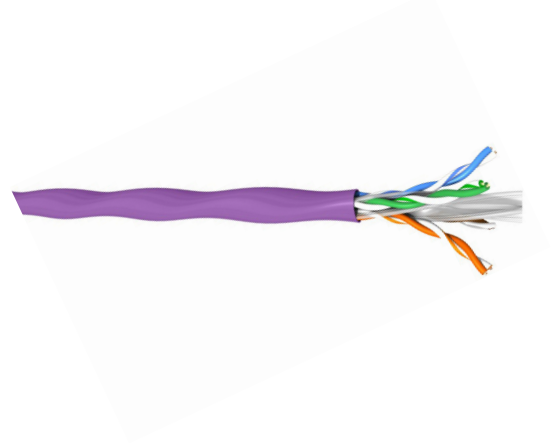


U5104SHx

U/UTP CAT6A 4 pairs cable 510MHz LSZH



- 1. **Conductor** : solid bare copper AWG23
- 2. **Insulation** : PE
- 3. **Specific cross separator** : PE
- 4. **Outer sheath** : LSZH jacket RAL 4001



DESCRIPTIONS

The U5104SH is a CAT6A UTP data cable used in 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. This cable is component certified by a third laboratory.

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%





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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
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
510	46.2	N/A	32.9	N/A	31.2	N/A	12.7	N/A	17.3	N/A

ORDERING INFORMATION

CABLE 4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
U5104SHC5	CAT6A CABLE U/UTP 4 PAIRS LSZH Dca	7.8 / 9.1mm	DRUM 500M
U5104SHC10	CAT6A CABLE U/UTP 4 PAIRS LSZH Dca		DRUM 1000M