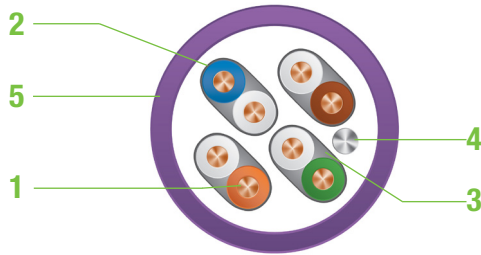




525xSHy

CAT6A U/FTP 4 or 2x4 pairs cable 525MHz 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. **Outer sheath** : LSZH - RAL 4001

DESCRIPTIONS

PIMF (Pair In Metallic foil) 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 525 Mhz. It constitutes an investment for the future network applications.

High electromagnetic immunity thanks to his individual shield (coupling attenuation > 75 dB).

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
SYSTEM	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	78%





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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)		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	3.7	66.3	67	63.3	64	55.9	66	52.9	63	23.0	25
10	5.9	5.8	60.3	62	57.3	59	48	63	45	60	25.0	27
16	7.5	7.3	57.2	59	54.2	56	43.9	62	40.9	59	25.0	27
25	9.4	9.2	54.3	56	51.3	53	40	57	37	54	24.3	27
31.25	10.5	10	52.9	55	49.9	52	37.9	52	35.1	49	23.6	25
100	19.1	18.8	45.3	47	42.3	44	28	44	25	41	20.1	22
200	27.6	27	40.8	43	37.8	40	22	35	19	32	18.0	20
250	31.1	30	39.3	42	36.3	39	20	29	17	26	17.3	19
300	34.3	34	38.1	40	35.1	37	18.4	27	15.4	24	17.3	19
400	40.0	39	36.3	38	33.3	35	16	26	13	23	17.3	18
500	45.3	44.8	34.8	37	31.8	34	14	26	11	23	17.3	18
525	NA	45.0	NA	36	NA	33	NA	22	NA	19	NA	17

ORDERING INFORMATION

CABLE 4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
5254SH1	CAT6A CABLE U/FTP 4 PAIRS LSZH	7.3 mm	COIL 100M
5254SH5	CAT6A CABLE U/FTP 4 PAIRS LSZH		DRUM 500M
5254SH10	CAT6A CABLE U/FTP 4 PAIRS LSZH		DRUM 1000M
5254SHB	CAT6A CABLE U/FTP 4 PAIRS LSZH		BOX 305M

CABLE 2x4 PAIRS			
P/N	DESCRIPTION	EXTERNAL DIAMETER	PACKAGING
5258SH5	CAT6A CABLE U/FTP 2x4 PAIRS LSZH	7.3 x 15.2 mm	DRUM 500M
5258SH10	CAT6A CABLE U/FTP 2x4 PAIRS LSZH		DRUM 1000M

