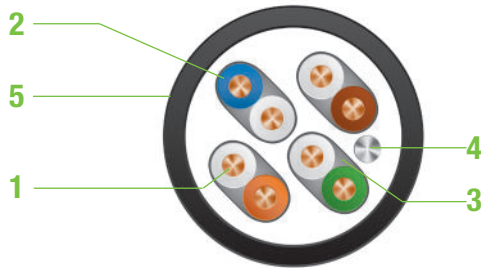




## 5254SHINOUT

CAT6A U/FTP 4 pairs cable 525MHz LSZH Indoor Outdoor



- 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 - Black Indoor/Outdoor

## 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. His special LSZH jacket allow an external and internal link : the cable 5254SHINOUT can be used for outdoor and indoor application.

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

<b>CABLE</b>	IEC 61156-5 CAT6a
<b>SYSTEM</b>	ISO / IEC 11801 Ed2.2 Class Ea

## 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>	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
5254SHINOUT	CAT6A CABLE U/FTP 4 PAIRS LSZH	7 mm	DRUM 500M