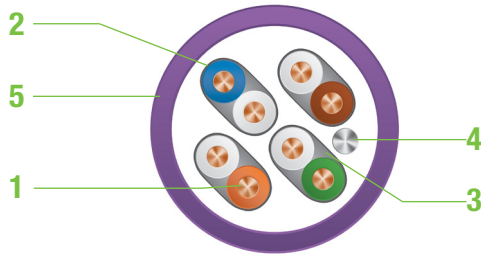




## 525xSHy

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

<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%





## 525xSHy

CAT6A U/FTP 4 or 2x4 pairs cable 525MHz 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)		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



# DECLARATION OF PERFORMANCE

## DOP N 3-D-Q-00007

### Product Information

Unique identification code:

**U/FTP 1x4P CAT6A LSZH**

Type, batch or serial number or any other element allowing identification of the construction product as required to Article 11 (4):

**5254SHx**

Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by manufacturer:

**Twisted pairs communication cable**

### Declared Performance

System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V (AVCP):

**System 3**

Performance declared:

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire	Dca - s2,d2,a2	EN 50575:2014

In case of the declaration of performance concerning a construction product covered by harmonized standard:

**Notified Body number : 2749**

### Manufacturer information

Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5) :

**MULTIMEDIA CONNECT**  
**Air Park de Paris - 3 avenue Jeanne Garnerin**  
**91320 Wissous - FRANCE**

Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

**N/A**

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by :  
Rachid BEN ALI - Product Manager

Wissous, France , 12/05/2017