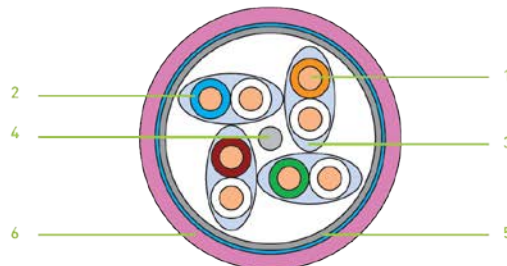


525xSH



1. **Conductor** : Solid bare copper AWG23
2. **Insulation** : PE Skin Foam Skin
3. **Drain wire** : Solid tinned copper
4. **Pair to pair shielding** : Aluminium/Blue Polyester foil Covering 110%
5. **Outer jacket** : LSZH – Light Violet RAL 4001

## Application

PIMF (Pair In Metallic foil) Data cable is used in Full Shielded structured cabling system, for horizontal or vertical (Backbone) configuration.

Its performances exceed the limits imposed by the 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.

This cable is used for transmission of digital and analogue voice, Data and video signals.

It can transmit :

- ISDN - RNIS
- TOKEN RING 4/16 Mbits
- 100 VG-AnyLAN
- TP-PMD/TP-DDI
- ATM 155, 622 Mbits/s and 1,2Gbits
- ETHERNET 10 Base T
- ETHERNET 100 Base Tx, 100 Base T4
- ETHERNET 1000 Base T – GIGABIT Ethernet
- IEEE 802.3 af – PoE (Power Over Ethernet) and DRAFT 4.2 IEEE 802.3 at - future PoE+
- 10 GIGABIT ETHERNET (Up to 100 m)

## Standards

<b>CABLE</b>	IEC 61156-5 Cat6a EN 50288
<b>SYSTEM</b>	ISO/IEC 11801 CLASS Ea Ad1.0 and Ad2.0

## REF : 525xSH

100  $\Omega$  U/UTP x pairs cable Category 6a LSZH

### Electrical properties

### Characteristics

Max.lineare résistance : $\leq 150 \Omega / \text{Km}$	Fire behaviour : IEC 60332-1 / NF C 32070 C2
Mutual capacity (nom.) : 50 pF / m	Operating temperature : - 20° C / + 70°C
Characteristic impedance from 1 to 100 MHz : 100 +/- 15 $\Omega$ from 100 to 250 MHz : 100 +/- 20 $\Omega$ from 100 to 250 MHz : 100 +/- 25 $\Omega$	Minimum bending radius: 8 x cable diameter
Velocity of propagation : 79 %	Conform to RoHS directive

### Performances

MESURES (MHZ)	ATTENUATION (dB/100m)		NEXT (dB/100m)		ACR (dB/100m)		PS NEXT (dB/100m)		ELFLEX (dB/100m)		PSELFEXT (dB/100m)		RETURN LOSS (dB/100m)	
	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C
1	2.0	1.8	75	90	73.0	83.2	72	87	67.8	87	64.8	84	20.0	36
4	3.7	2.9	65.3	88	61.6	79.4	62.3	79	55.8	86	52.8	83	23.0	35
10	5.8	4.6	59.3	86	53.5	79.2	56.3	83	47.8	83	44.8	80	25.0	35
16	7.4	6.1	56.2	85	48.8	76.6	53.2	82	43.7	82	40.7	79	25.0	32.5
25	9.2	8.6	53.3	84	44.01	81.8	50.3	81	39.8	77	36.8	74	24.5	35
31.25	10.4	9.1	51.9	83	41.5	69.6	48.9	80	37.9	72	34.9	69	23.8	34
100	19	17.3	44.3	80	25.3	60.2	41.3	77	27.8	64	24.8	61	20.1	33
200	27.5	25.5	39.8	78	12.3	48.5	36.8	75	21.8	55	18.8	52	18	32
250	31	30.5	38.3	75	7.3	43.3	35.3	72	19.8	49	16.8	46	17.3	31
300	34.2	33.6	37.1	74	NC	40.4	34.1	71	19.8	47	16.8	44	17.3	28
400	40.0	38.0	35.3	72	NC	34.0	32.3	69	19.8	46	16.8	43	17.3	24
500	45.3	42.5	33.8	72	NC	29.5	30.8	69	19.8	46	16.8	43	17.3	22
525	NC	45	NC	68	NC	23.0	NC	66	NC	42	NC	38	NC	21

Standard: Values from IEC 61156-5 &amp; EN50288

The installation &amp; environmental requirements can modify the values above.

Multimedia Connect reserves the right to modify the present characteristics without preliminary notification

### Ordering informations

Item No	555P4SH	555P8SH
Pairs	4	2X4
[X] x AWG	23	23
Diameter	7.4	7.4x14.8
Kg/Km	58	116
Conditioning	T500m – T1000m	T500m – T1000m