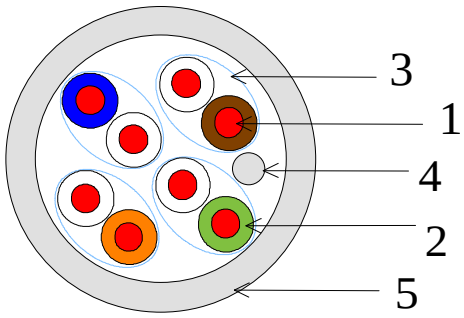
DATA SHEET 1/2

10/12 SL / Ed.1

REF : 525A26SH

100 Ω U/FTP 4 Pairs cable - Category 6A – 500 Mhz – LSZH



1. **Conductor** : Solid bare copper AWG26
2. **Insulation** : PE Skin-Foam-Skin
3. **Individual shield of pairs:** Aluminium/Polyester foil, coverage ≥ 100%
4. **Drain wire** : Solid tinned copper conductor AWG26
5. **Outer jacket** : LSZH – light grey

Descriptions

PIMF (Pair In Metallic foil) data cable used for a 60 meters maximal length, for horizontal or vertical (backbone) configuration.

Its performances exceed the limits required by current standards. It constitutes an investment for the future network applications.

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

This cable 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 - PoE+
- 10 GIGABIT ETHERNET

Standards

CABLE	IEC 61156-5 Cat6A
SYSTEM	ISO/IEC 11801 CLASS Ea

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Electrical properties	Physical characteristics
Max. electrical resistance of conductors : 135 Ω / Km	Flame retardant : IEC 60332-1 & NF C 32070 C2
Mutual capacitance (nom.): 45 pF / m	Operating temperature n : - 20° C / + 70°C
Characteristic impedance from 1 to 500MHz : 100 Ω	Minimum bending radius: 8 x cable diameter
Velocity of propagation : 79 %	Conform to RoHS directive

Transmission performances

MESURES (MHz)	ATTENUATION (dB/60 m)		NEXT(dB)		PS NEXT (dB)		ELFEXT (dB)		RETURN LOSS (dB)	
	Standard (dB/100m)	M.M.C (dB/60m)	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C	Standard	M.M.C
1	2.0	**1.8**	75.3	**80**	72.3	**73**	67.8	**75**	20.0	**36**
4	3.8	**3**	66.3	**77**	63.3	**74**	55.8	**65**	23.0	**35**
10	6.0	**5**	60.3	**72**	57.3	**69**	47.8	**50**	25.0	**35**
16	7.6	**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	**35**
31.25	10.7	**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	27.5	**27**	40.8	**55**	37.8	**52**	21.8	**30**	18	**31**
250	31.0	**30**	39.3	**50**	36.3	**47**	19.8	**25**	17.3	**28**
350	45.2	**44**	37.2	**47**	34.2	**44**	16.9	**20**	17.3	**24**
500	45.2	**44**	34.8	**45**	31.8	**42**	13.8	**18**	17.3	**22**

Standard values at 20°C according to IEC 61156-5 / Cat6A , the values from 1 to 4MHz are only for information .
The installation & environmental requirements can modify the values above.
Multimedia Connect reserves the right to modify the present characteristics without preliminary notification

Ordering information

Item No	**525A26SH**
Pairs nb	4
AWG	26
Outer diameter	5,7 mm
Conditioning	T1000m