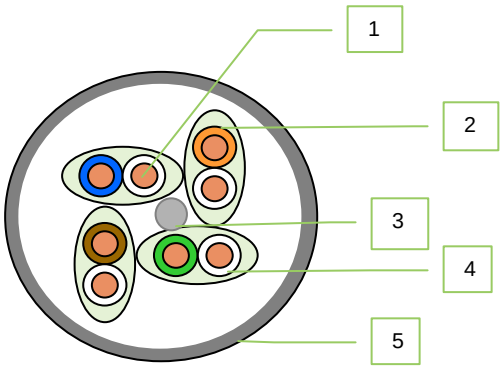
Data Sheet 1/2

01/13 TM / Ed.6

REF : P6/12-525A26SH

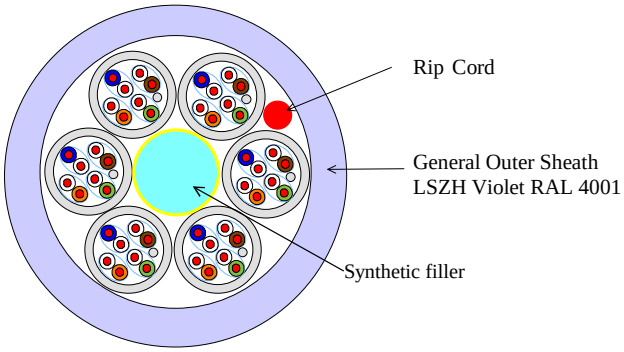
6 or 12 x 4 pairs 100 Ω PIMF U/FTP cable category 6A 500 MHz LSZH

Single cable: Ref. 525A26SH

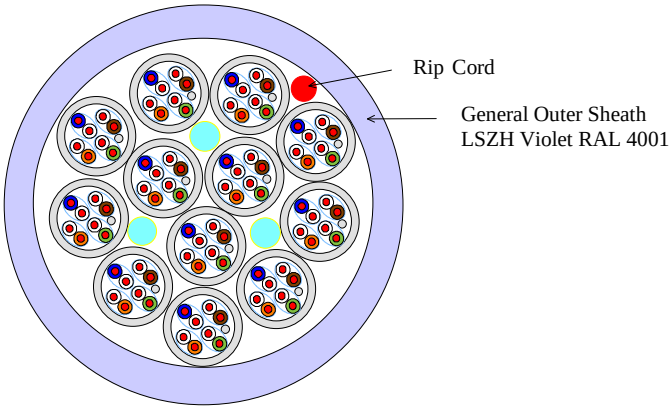


1. **Conductor**: Solid bare copper AWG 26
2. **Insulation:** PolyethylenSkin Foam Skin
3. **Drain wire:** Solid tinned copper AWG26
4. **Pair to pair shielding:** Aluminium/Polyester foil
   Coverage: 100%
5. **Outer Jacket**: LSZH – Light Grey RAL 7035

Multicable



Ref. P6-525A26SH



Ref. P12-525A26SH

Description

Application

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

The maximal length for using the PX525A26SH is 60 meters.

Designed particularly for data center applications, the small outer diameter makes easier the installation and reduces the energy loss for cooling system.

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 until 60 meters length :

- ISDN - RNIS
- TOKEN RING 4/16 Mbits
- 100 VG-AnyLAN

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Data Sheet 2/2

REF : P6/12-525A26SH

6 or 12 x 4 pairs 100 Ω PIMF U/FTP cable category 6A 500 MHz LSZH

- 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
- 10 GIGABIT ETHERNET

Standards

Performances of PX525A26SH cable comply with the limits defined by the following standards until 60 meters length:

CABLE	IEC 61156-5 CAT 6A
SYSTEM	ISO/IEC 11801 CLASSE Ea

Electrical properties

Electrical résistance 135 Ω / Km
Mutual capacity (nom.) : 45 pF / m
Characteristic impedance : 100 Ω
Velocity of propagation : 79 %

Mechanical characteristics

Fire behaviour : IEC 60332-1
Operating temperature : - 20° C / + 70°C
Minimum bending radius: 8 x Øext
Conform to RoHS directive

Transmission performances de

Fréquence (MHZ)	ATTENUATION (dB/60m)		NEXT (dB)		PS NEXT (dB)		ELFLEXT (dB)		RETURN LOSS (dB)	
	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**	75.3	**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**
300	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**
525	NC	**45**	NC	**68**	NC	**65**	NC	**15**	NC	**21**

Standard: Values @20°C from IEC 61156-5 – Values from 1 to 4 MHz are only for information.

Ordering information

reference	**P6-525A26SH**	**P12-525A26SH**
Pairs number	24 (6x4 pairs)	48 (12x4 pairs)
AWG	26	26
Outer Diameter (mm)	20.1	26.6

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