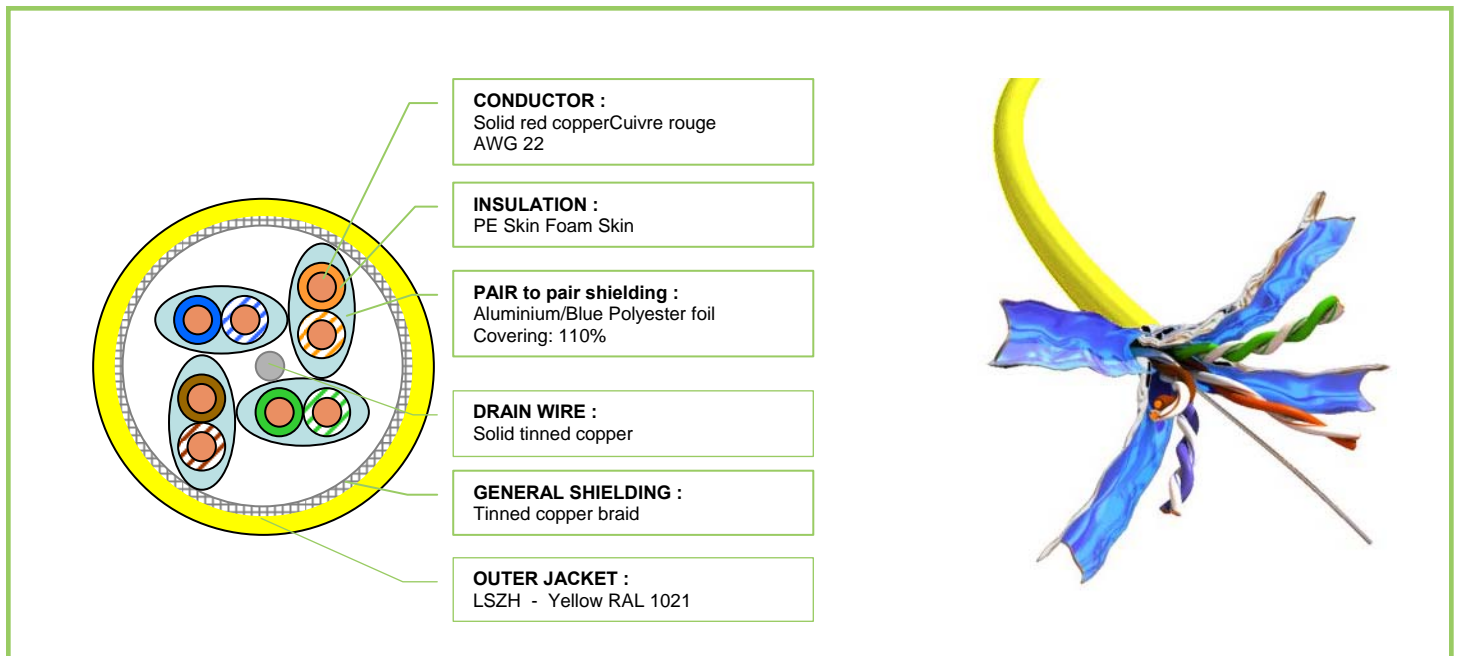


REF : SF1200xSH

100 Ω PIMF S/FTP x pairs category 7A cable - 1200 MHz
Low Smoke Zero Halogen



PRODUCT INFORMATIONS

Application

Individually shielded pairs with Aluminium foil and general braid Cable S/FTP, it's used in a horizontal or vertical configuration (Backbone), it constitutes the base of a V.D.I (Voice Data Image) network to very high bit rate and benefits from an excellent immunity (EMC)

Its double shielding, general braid and shielding aluminium by pair, guarantees an excellent protection against electro magnetic perturbations, it's recommended for the use of the VOIP, of the POE, defined by the standard IEEE 802.3af, and the management of the 10 Ethernet gigabit, and Terrestrial TV signals on a pair.

Its performances exceed the limits imposed by the current standards, it constitutes an investment for the future networks 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 future PoE+
- 10 GIGABIT ETHERNET (Up to 100 m)

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Standards / Performances

Performances of 600xSH cable comply with the limits defined by the following standards:

CABLE	SYSTEM
IEC 61156-5 EN 50288-4-1	DRAFT ISO 11801 Edition 2.1 – CLASSE F _A ISO 11801 Edition 2.0 – CLASSE F EN 50173:2002

Electrical properties

Max. linear resistance :	≤ 75 Ω / Km
Mutual capacity (nom.) :	45 pF / m
Characteristic impedance from 1 to 100 MHz :	100 +/- 15 Ω
from 100 to 250 MHz :	100 +/- 20 Ω
Velocity of propagation	78 %

Characteristics



Fire behaviour : IEC 60332-1 / NF C 32070 C2



Operating temperature : - 20° C / + 70° C



Minimum bending radius: 8 x cable diameter



Conform to RoHS directive

Values

MEASUREMENTS (MHz)	ATTE NUATION (dB/100 m)		NEXT (dB/100 m)		ACR (dB/100 m)		PS NEXT (dB/100 m)		ELFEXT (dB/100 m)		PSELFEXT (dB/100 m)		RETURN LOSS (dB/100 m)	
	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
4	3.7	3.5	78.0	100.0	78.0	96.5	75.0	97.0	78.0	105.0	7.0	102.0	23.0	25.0
10	5.8	5.6	78.0	100.0	74.3	94.4	75.0	97.0	74.0	97.0	71.0	94.0	25.0	26.0
16	7.3	7.1	78.0	100.0	72.8	92.9	75.0	97.0	70.0	93.0	66.9	90.0	25.0	26.0
20	8.2	8.0	78.0	98.0	71.9	90.0	75.0	95.0	68.0	91.0	65.0	88.0	25.0	26.0
31.25	10.3	10.1	78.0	98.0	69.9	87.9	75.0	95.0	64.0	87.0	61.1	84.0	23.6	25.0
62.5	14.6	14.3	75.0	98.0	60.6	83.7	72.0	95.0	58.0	81.0	55.1	78.0	21.5	23.0
100	18.5	18.3	72.0	98.0	53.9	79.7	69.0	95.0	54.0	77.0	51.0	74.0	20.1	21.0
300	32.7	32.5	65.0	92.0	40.0	59.5	62.0	89.0	44.0	71.0	46.0	68.0	17.3	18.0
600	47.1	46.8	61.0	88.0	32.0	41.9	58.0	86.0	38.0	67.0	41.5	64.0	17.3	18.0
1000	61.9	61.6	57.0	85.0	11.9	23.4	54.0	85.0	34.0	61.0	35.4	58.0	17.3	18.0
1200	-	63.3	-	80.0	-	16.7	-	80.0	-	59.0	-	55.0	-	15.0

Standard : Values from IEC 61156-5 CAT7A & EN50288





The installation & environmental requirements can modify the values above.

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

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Ordering informations

 REF	Pairs	[X]xAWG	$\text{mm} \pm 10\%$  ext.	Kg/Km 	
SF12004SH	4	22	7.8	67	T 500 m – T 1000 m
SF12008SH	2x4	23	7.8x16.2	135	T 500 m – T 1000 m