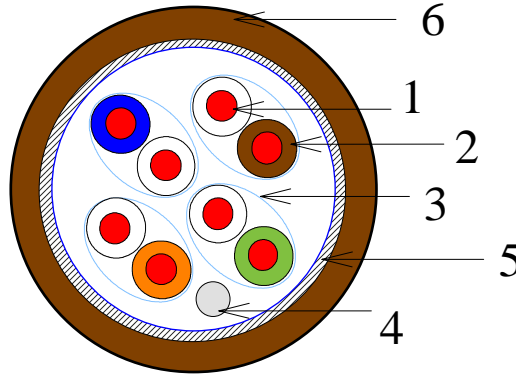


REF : SF12004SHC1

100 Ω PIMF S/FTP x pairs category 7A cable -1200 MHz LSZH-C1/NFC32070



- 1. **Conductor** : Solid bare copper AWG 22
- 2. **Insulation** : Pe skin-foam skin
- 3. **PAIR to pair shielding**: Aluminium Polyester foil Covering: 110%
- 4. **Drain wire** : Solid tinned copper
- 5. **General shielding** : Tinned copper braid
- 6. **Outer jacket** : LSZH – Brown Ø8,4 mm

Marking: MULTIMEDIA CONNECT « batch code» SF1200-4SHC1 – 4 PAIRS AWG22 S/FTP 100 OHMS – IEC61156-5 CAT7A – Up to 1200MHz – LSZH – C1 +metric

Applications

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.

Network applications :

- 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 PoE+
- 10 GIGABIT ETHERNET (Up to 100 m)

REF : SF12004SHC1

100 Ω PIMF S/FTP x pairs category 7A cable -1200 MHz LSZH-C1/NFC32070

Electrical properties	Characteristics
Max. linear resistance : 60 Ω / Km	Fire retardant : Cat C1 acc. to NFC32070 & IEC60332-3-24
Mutual capacity (nom.): 45 pF / m	Operating temperature : - 20° C / + 60°C
Characteristic impedance: 100 +/-15 Ω	Minimum bending radius: 8 x cable diameter
Velocity of propagation: 78 %	Conform to RoHS directive
	Low smoke zero halogen jacket / IEC60754-1 et -2
	Density and corrosives of smokes / IEC61034

Standards	
CABLE	IEC 61156-5 CAT 7A
SYSTEME	ISO 11801 Edition 2.1 – CLASSE F _A ISO 11801 Edition 2.0 – CLASSE F

Transmission performances												
MESURES (MHZ)	ATTENUATION (dB/100m)		NEXT (dB)		PS NEXT (dB)		ELFLEXT (dB)		PSELFLEXT (dB)		Return loss (dB)	
	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	105.0	75.0	97.0	78.0	105.0	75.0	102.0	23.0	25.0
10	5.8	5.6	78.0	97.0	75.0	97.0	75.3	97.0	72.3	94.0	25.0	26.0
16	7.3	7.1	78.0	93.0	75.0	97.0	71.2	93.0	68.2	90.0	25.0	26.0
20	8.2	8.0	78.0	91.0	75.0	95.0	69.3	91.0	66.3	88.0	25.0	26.0
31.25	10.3	10.1	78.0	87.0	75.0	95.0	65.4	87.0	62.4	84.0	23.6	25.0
62.5	14.6	14.3	78.0	81.0	75.0	95.0	59.4	81.0	56.4	78.0	21.5	23.0
100	18.5	18.3	75.4	77.0	72.4	95.0	55.3	77.0	52.3	74.0	20.1	21.0
300	32.7	32.5	68.2	71.0	65.2	89.0	45.8	71.0	42.8	68.0	17.3	18.0
600	47.1	46.8	63.7	67.0	60.7	86.0	39.7	67.0	38.3	64.0	17.3	18.0
1000	61.9	61.6	60.4	61.0	57.4	85.0	35.3	61.0	32.3	58.0	15.1	18.0
1200	-	63.3	-	59.0	-	80.0	-	59.0	-	55.0	-	15.0

Standard : According to IEC 61156-5

The installation & environmental requirements can modify the values above.

References	SF1200-4SHC1
Pairs	4
[X] x AWG	22
Diameter (mm)	8.4
Approx Weight (Kg/Km)	67
Packaging	T 1000 m