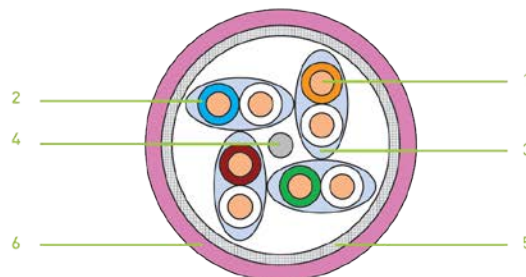


1. **Conductor** : Solid bare copper AWG23
2. **Insulation** : PE Foam Skin
3. **Pair to pair shielding** : Tinned copper Braid
4. **Drain wire** : solid tinned copper
5. **Shielding** : Aluminium/Blue Polyester Covering 110%
6. **Outer jacket** : LSZH Violet RAL 4001



Application

PIMF (Pair In Metallic foil) and general shielding braid cable is used in Full Shielded structured cabling system, for horizontal or vertical (Backbone) configuration. It constitutes the base of a V.D.I. (Voice – Data – Image) network to very high bit rate.

Its performances exceed the limits imposed by the current standards thanks to its excellent high-speed and error free transmission up to 600 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 future PoE+
- 10 GIGABIT ETHERNET (Up to 100 m)

Standards

CABLE	IEC 61156-5
SYSTEM	ISO 11801 CLASSE E ISO 11801 CLASSE Ea ISO 11801 CLASSE F

Electrical properties

Characteristics

Max.lineare résistance : $\leq 140 \Omega / \text{Km}$	Fire behaviour : IEC 60332-1
Mutual capacity (nom.) : 45 pF / m	Operating temperature : - 20° C / + 70°C
Characteristic impedance from 1 to 100 MHz : 100 +/- 15 Ω From 100 MHz to 250 MHz : 100 +/-20 Ω From 250 MHz to 500 MHz : 100 +/-25 Ω	Minimum bending radius: 8 x cable diameter
Velocity of propagation : 80 %	Conform to RoHS directive

Performances

MESURES (MHZ)	ATTENUATION (dB/100m)		NEXT (dB/100m)		PS NEXT (dB/100m)		ELFLEX (dB/100m)		PSELFLEX (dB/100m)		RETURN LOSS (dB/100m)	
	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value	Standard	Typical value
1	2.0	1.8	78	90	75	87	78.0	105.0	75.0	102.0	20.0	27.0
10	5.8	5.6	78	90	75	87	74.0	97.0	71.0	94.0	25.0	30.0
16	7.4	6.9	78	90	75	87	69.9	93.0	55.9	90.0	25.0	30.0
20	8.3	7.9	78	88	75	85	58.0	91.0	55.0	88.0	25.0	30.0
31.25	10.4	9.8	78	88	75	85	54.0	87.0	51.1	84.0	23.5	30.0
62.5	14.8	13.9	75.1	88	72.5	85	58.1	81	55.1	78.0	21.5	30.0
100	19	17.6	72.9	88	59.9	85	54.0	77.0	51.0	74.0	20.0	30.0
200	27.4	25.2	67.9	82	64.9	79	48.0	71.0	45.0	68.0	18.0	25.0
300	34.1	31.0	65.3	79	52.3	76	44.5	67.0	41.5	64	17.3	24.0
600	50	44.9	60.8	75	57.8	72	38.4	61.0	35.4	58.0	17.3	22.0

Standard : Values from IEC 61156 _5

The installation & environmental requirements can modify the values above.

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

Ordering informations

Item No	6004SH	6008SH
Pairs	4	2x4
[X] x AWG	23	23
Diameter	7.6	7.6x16
Kg/Km	65	130
Conditioning	T500m – T1000m	T500m – T1000m