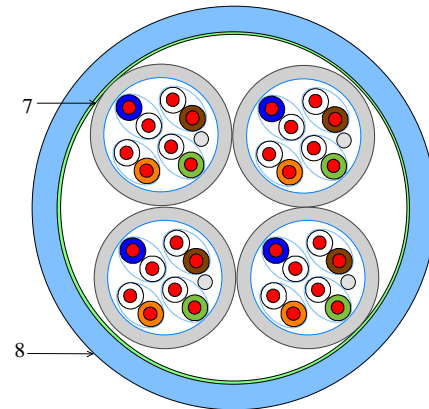
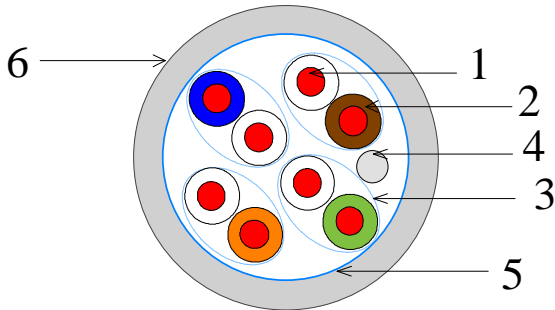


100 Ω U/FTP 4x4 pairs cable Category 6 -LSZH
Tested up to 500MHz



4 pairs unit cable

1. **Conductor** : Solid bare copper AWG23
2. **Insulation** : PE Skin Foam Skin
3. **Individual shield of pairs**: Aluminium/ Polyester foil ; coverage > 100%
4. **Drain wire** : Solid tinned copper
5. **Overall foil** : Polyester (optional, if necessary)
6. **Sheath** : LSZH , Colour Grey - Ø7,3mm

4x4 pairs cable

7. **Assembly: 4 x4 pairs cable**
+ fillers and overall polyester foil (optional, if necessary)
Identification on sheath: printed numbers from 1 to 4
8. **Outer sheath** : LSZH – Colour blue RAL5024 Ø21,4 mm

Application

Multi PIMF (Pair In Metallic foil) data cable is used in full shielded structured cabling system, for horizontal or vertical (Backbone) configuration.

Its performances exceed the limits imposed by the current standards category 6 thanks to its excellent high-speed and error free transmission up to 500 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 et 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) et future PoE+

Standards

CABLE	IEC 61156-5 Cat6
SYSTEM	ISO/IEC 11801 CLASS E



REF : 50016SH

100 Ω U/FTP 4x4 pairs cable Category 6 -LSZH
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Electrical properties @20°C	Mechanical characteristics
Max.linear résistance : 95 Ω/Km	Fire behaviour : IEC 60332-1 / NF C 32070 C2
Mutual capacity (nom.) : 50 pF/m	Operating temperature : - 20° C / + 70°C
Characteristic impedance : 100 Ω	Minimum bending radius: 8 x outer diameter
Velocity of propagation : 79 %	Conform to RoHS directive

Transmission performances @20°C												
FREQ (MHZ)	ATTENUATION (dB/100m)		NEXT (dB)		PS NEXT (dB)		ELFLEXT (dB/100m)		PSELFEXT (dB/100m)		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	3.8	2.9	66.3	88	63.3	79	55.8	86	52.8	83	23.0	25
10	6.0	4.6	60.3	86	57.3	83	47.8	83	44.8	80	25.0	27
16	7.6	6.1	57.2	85	54.2	82	43.7	82	40.7	79	25.0	27
25	10.7	8.6	54.3	84	49.9	81	37.9	77	34.9	74	24.3	27
31.25	15.5	9.1	52.9	83	45.4	80	31.9	72	29.1	69	23.6	25
100	19.9	17.3	45.3	80	42.3	77	27.8	64	24.8	61	20.1	22
200	29.1	25.5	40.8	78	37.8	75	21.8	55	18.8	52	18	20
250	33.0	30.5	39.3	75	36.3	72	19.8	49	16.8	46	17.3	19
500	NA	43.8	NA	68	NA	66	NA	46	NA	38	NA	17

Standard values at 20°C according to IEC 61156-5 / Cat6; NA: not applicable

Ordering information	
Item No	50016SH
Pairs number	16
[X] x AWG	23
Outer diameter (mm)	21,4
Packaging	500 meters drums