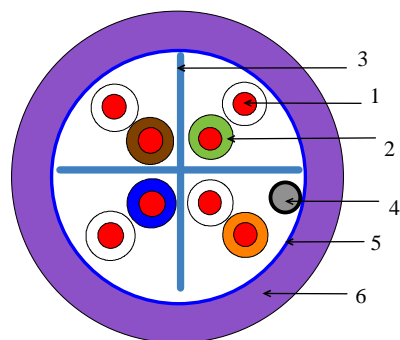


REF : FU510xSH

Cable 100 Ω F/UTP 4&8 pairs category 6A 500 MHz - LSZH



1. **Conductor**: Solid bare copper AWG23
2. **Insulation** : Polyethylene
3. **Central cross**: Transparent or white thermoplastic cross
4. **Drain wire** : Solid tinned copper
5. **General shielding**: Aluminium/Polyester tape; coverage: 100%
6. **Outer jacket**: LSZH – Purple RAL 4001

Application

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 DRAFT 4.0 IEEE 802.3 at - future PoE+
- 10 GIGABIT ETHERNET (Up to 100 m)

Standards

CABLE	IEC 61156-5 CAT 6A
SYSTEME	ISO/IEC 11801 CLASS Ea

Electrical properties

Max conductors elect résistance : 95 Ω / Km
Mutual capacity (nom.) : 45 pF / m
Characteristic impedance : 100 Ω
Velocity of propagation : 66 %

Physical characteristics

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

REF : FU510xSH

Cable 100 Ω F/UTP 4&8 pairs category 6A 500 MHz - LSZH

Transmission performances @20°C

Frequency (MHZ)	ATTENUATION (dB/100m)		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
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	34.2	32	37.2	47	34.2	44	16.9	20	17.3	24
500	45.5	44	34.8	45	31.8	42	13.8	18	17.3	22

(*) Standard: Values from IEC 61156-5

Ordering information

Reference	FU5104SH	FU5108SH
Pairs nb	4	8
Diameter (mm)	7.0	14.5
Conditioning	500m –1000m	500m –1000m