

FXP6SH

100 Ω Cable - F/UTP 4 pairs - Cat 6 - 250 MHz - LSZH



Conductor:
AWG23/1 Stranded Annealed Copper Wire

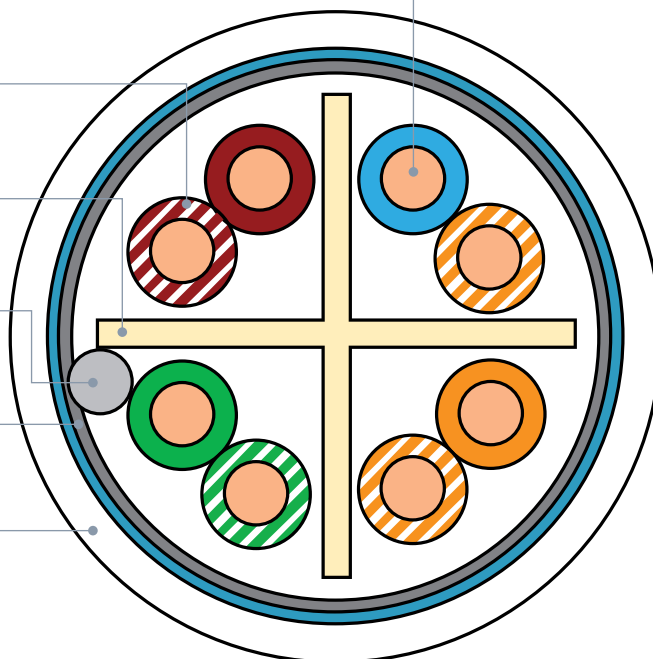
Insulating:
Polyethylene

Central element:
White or transparent thermoplastic cross

Mass drain:
Tinned single-strand copper

Aarmor:
Aluminum/Polyester Strapping; 110% coverage

Outer sheath:
LSZH - white color RAL 9003



FT 4 06/06/2017 EN

PRODUCT INFORMATION

APPLICATION

This shielded F/UTP (Foiled twisted pairs) cable, which can be used in a horizontal or vertical (rope) configuration, forms the basis of a very high-speed V.D.I (Voice-Data-Image) network.

Its shielding allows it to be used in noisy environments and ensures proper operation up to 250 Mhz. Its internal structure provides ample margins with all current standards.

This cable is used in the transmission of digital and analog signals for voice, data transmission, and video links.

SUPPORTED NETWORK APPLICATIONS

- ISDN
- ETHERNET 10 Base T - Ethernet
- TOKEN RING 4/16 Mbits
- ETHERNET 100 Base Tx, 100 Base T4 - Fast Ethernet
- ETHERNET 1000 Base T - Gigabit Ethernet
- 100 VG-AnyLAN
- TP-PMD/TP-DDI
- ATM 155, 622Mbits/s and 1,2Gbits/s
- IEEE 802.3 af - Power Over Ethernet

STANDARDS

CABLE
SYSTEM

IEC 61156-5
ISO 11801 Edition 2 - CLASS E

ELECTRICAL PROPERTIES

Linear electrical resistance:	$\leq 95 \Omega / \text{Km}$
Mutual capacity	52 pF / m
Characteristic impedance:	100 Ω
Propagation speed:	66 %

FEATURES



Fire resistance:
IEC 60332-1 / NF C32-070 C2
EN 50575 :2014 + A1 :2016 Dca



LSZH :
IEC 61034 / IEC 60754-1 & -2



Temperature holding:
- 20° C / + 70° C



Minimum radius of curvature:
8 x cable diameter



Compliant with the RoHS directive.

TRANSMISSION PERFORMANCES @20°C												
Freq (MHZ)	ATTENUATION (dB/100m)		NEXT (dB)		PS NEXT (dB)		ELFLEX (dB/100m)		PSELFLEX (dB/100m)		RETURN LOSS (dB)	
	(*) Standard	IDC	Standard	IDC	Standard	IDC	Standard	IDC	Standard	IDC	Standard	IDC
4	3.8	3.5	66.3	69	63.3	67	55.8	67	52.8	64	23.0	25
10	6.0	5.5	60.3	63	57.3	62	47.8	60	44.5	57	25.0	28
16	7.6	6.9	57.2	60	54.2	58	43.7	66	40.7	63	25.0	28
31.25	10.7	9.8	52.9	55	49.9	53	37.9	51	34.9	48	23.6	27
62.5	15.5	13.9	48.4	51	45.4	49	31.9	43	29.1	40	21.5	25
100	19.9	17.5	45.3	48	42.3	47	27.8	40	24.8	37	20.1	25
200	29.1	25.3	40.8	44	37.8	52	21.8	34	18.8	31	18.0	24
250	33.0	28.3	39.3	42	36.3	41	19.8	27	16.8	24	17.3	23

(*) Standard: Values following IEC 61156-5

ARTICLE DATA					
	Pairs	AWG	Øext (mm)	 Kg/Km	
F4P6SH	4	23/1	7.0	43	T500 m
F4P6SHB	4	23/1	7.0	43	Box de 305m
F8P6SH	2×4	23/1	7.0 × 14.2	102	T500 m