

UxP6SH

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

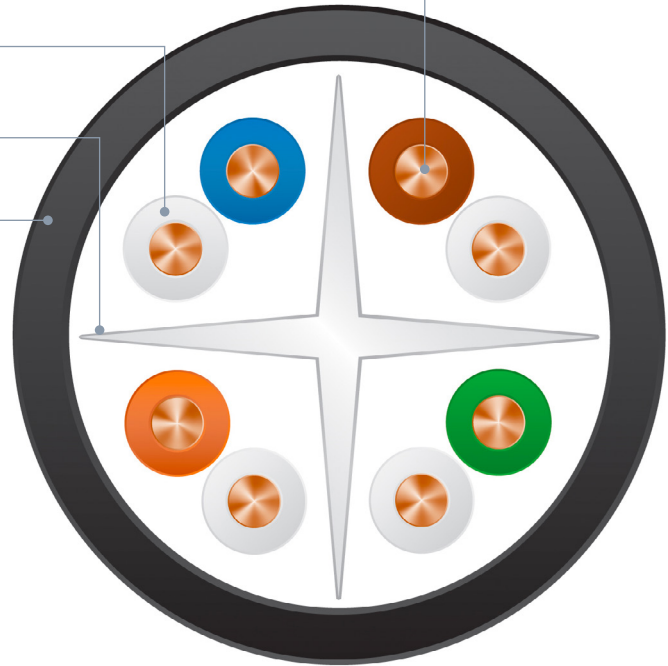


Conductor:
Annealed single-strand copper wire AWG23/1

Insulator:
Polyethylene

Central element:
White or transparent thermoplastic cross

Outer sheath:
LSZH - white color RAL 9003



FT 127/05/2024 EP

PRODUCT INFORMATION

APLICACIÓN

This U/UTP shielded cable, used in a horizontal or vertical configuration (Rocade), forms the basis of a very high-speed V.D.I (Voice-Data-Image) network.

Its internal structure ensures significant 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

ELECTRICAL PROPERTIES

Linear electrical resistance:	≤ 95 Ω / Km
Mutual capacity	52 pF / m
Characteristic impedance:	100 Ω
Propagation speed:	66 %

STANDARDS

CABLE SYSTEM	IEC 61156-5 ISO 11801 Edition 2 - CLASS E
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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)		ELFLEXT (dB/100m)		PSELFLEXT (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: Following values IEC 61156-5

ARTICLE DATA

	Pares	AWG	Øext (mm)	Kg/Km 	
U4P6SH5	4	23/1	5.7	43	T500 m