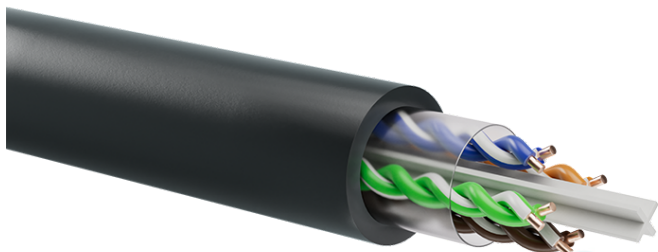


Cat.6 Cable U/UTP PE



View the product
on the website

CERTIFICATIONS



Fca

DETAILS

Key features

Telecommunications data cable Cat.6 with 4 twisted pairs, 100 Ohm, featuring 23 AWG bare copper conductors and polyolefin insulation. Suitable for structured cabling for analog and digital transmission of voice and data signals in Class E. Offered with a PE sheath (suitable for outdoor installation).

TECHNICAL FEATURES

Characteristic	Value
Inner Conductor	Rigid red copper – AWG 23/1 (0,56 mm)
Insulation of single conductors	Polyolefin diameter 1,03 mm
Colors	Blue – White/Blue, Orange – White/Orange, Green – White/Green, Brown – White/Brown
Shielding	No Shielding
Outer Jacket	PE – Diameter: 6,3 mm – Black color (RAL 9005)
Weight of cable	42 kg/km
Applications	ETHERNET, TP-DDI, 1000BASE TX, 1000BASET, ATM(TP)
Connection System	EIA/TIA 568 A e B
Complies	RoHS 2002/95/EC
Impedance	100 + 15 (?)
Operating Temperature	-15 °C ÷ +70 °C
Unbalanced-to-ground Capacitance	5,6 nF/m a 1kHz
Temperature of Installation	-5 °C ÷ +50 °C
Max ring strength (at 20°C)	14,9 ?/100 m
Minimum bending radius	48 mm
Maximum tractive load	15 kg
Propagation Speed	0.68

TRANSMISSION CHARACTERISTICS

Frequency	RL	ATT.	Next	PHASE DELAY	PSNEXT	ELFEXT	PSELFEXT
(MHz)	>= dB	<= dB	<= dB	<= dB	>= dB	>= dB	>= dB
1	20	2.03	74.3	570	72.3	67.8	64.8
4	23	3.78	65.3	552	63.3	55.8	52.8
8	24.5	5.32	60.8	546.73	58.8	49.7	46.7
10	25	5.95	59.3	545.38	57.3	47.8	44.8
16	25	7.55	56.2	543	54.2	43.7	40.7
20	25	8.47	54.8	542.05	52.8	41.8	38.8
25	24.3	9.51	53.3	541.2	51.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	45.4	31.9	28.9
100	20.1	19.8	44.3	537.6	42.3	27.8	24.8
200	18	28.98	39.8	536.54	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	36.3	19.8	16.8

CODE TABLE

Item Code	Description	Version	Shielding	Jacket	Ø Jacket	Packaging
RUE6.0500	4 pairs AWG 23/1	U/UTP	No Shielding	PE	6,3 mm	Reel 500 mt