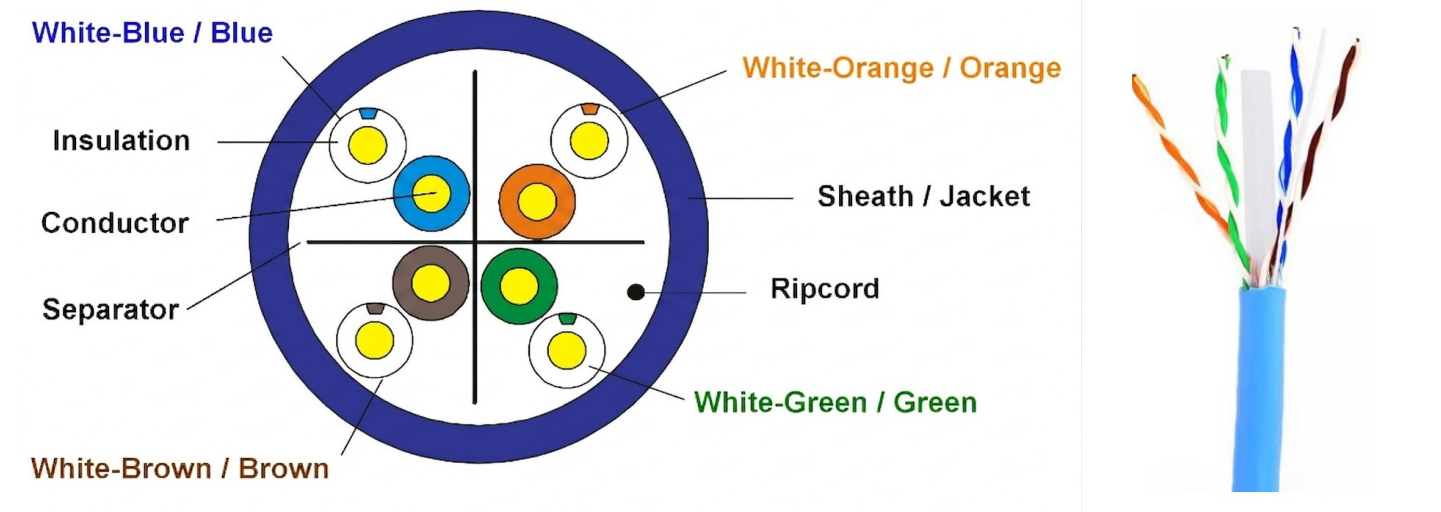


TECHNICAL DATA SHEET

Cable U/UTP cat.6, 4x2x0,52mm, 24AWG, LSZH, Copper



Field of application	Indoor	
Applications	10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 2.5GBASE-T, 5GBASE-T, ATM-25, ATM-51, ATM-155, 100VG-AnyLan, TR-4, TR-16 Active, TR-16 Passive	
Reference standard	ISO/IEC11801, ANSI/TIA-568-C.2, RoHS 2.0	
Fire resistance	Eca	
Conductor	Material	Solid-Bare Copper (99.95%)
	Diameter	0.52 ± 0.01 mm (AWG 24/1)
Insulation	Material	HDPE
	Diameter	1.0 ± 0.05 mm
Sheath	Material	LSZH
	Color	BLUE
	Thickness	0.55 ± 0.05 mm
	Diameter	6.00 ± 0.20 mm
Sheath printing	Lantaur Networking Internet Cable U/UTP Cat.6 24AWG 4x2x0.52mm LSZH CE ANSI/TIA-568-C.2 OPERATING VOLTAGE MAX 72VOLTS week/year 001-305m	
Rip-cord	Yes (Nylon)	
Separator (Cross member)	Yes	
Drain wire	No	
Shielding	No	
Electrical Characteristics (20°C)	1.0-250.0 Mhz impedance	100 ± 15 Ω
	1.0-250.0 MHz delay skew	≤ 40 ns/100 m
	DC resistance	≤ 9.8 Ω/100 m
	DC conductor resistance unbalance	≤ 5.0%
	NVP (%)	0.69
Package dimension	Pull Box 430 mm (W) × 430 mm (H) × 200 mm (D)	
Cable length	305 ± 0.5 m	
Operation Temperature	-20°C to +60°C	
Installation Temperature	0°C to +50°C	
Operating voltage (DC)	≤72 V	

FREQUENCY MHz	ATTENUATION dB/100m	NEXT dB	PS-NEXT dB	RL dB	ELFEXT dB	PS-ELFEXT dB/100m
1	2.0	74.3	72.3	20.0	67.8	64.8
4	3.8	65.3	63.3	23.0	55.8	52.8
10	6.0	59.3	57.3	25.0	47.8	44.8
20	8.5	54.8	52.8	25.0	41.8	38.8
31.25	10.7	51.9	49.9	23.6	37.9	34.9
100	19.8	44.3	42.3	20.1	27.8	24.8
200	29.0	39.8	37.8	18.0	21.8	18.8
250	32.8	38.3	36.3	17.3	19.8	16.8