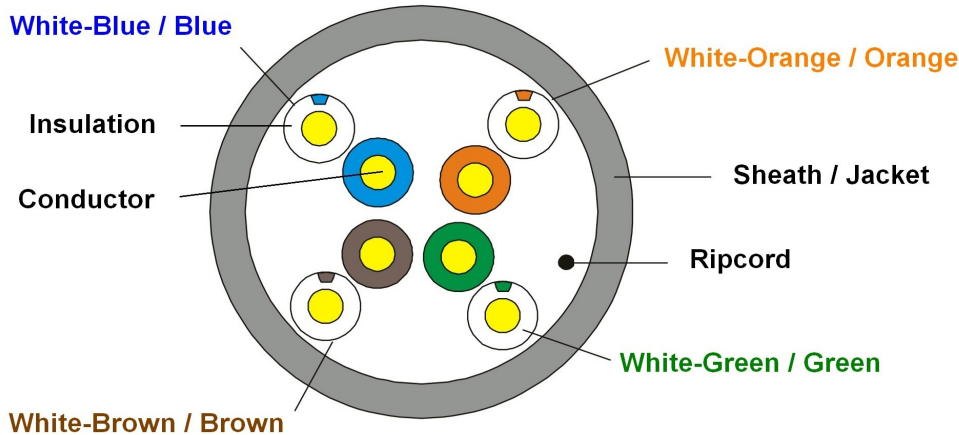


TECHNICAL DATA SHEET

Cable U/UTP cat.5e, 4x2x0,5mm, 24AWG, PVC, Copper



Field of application	Indoor	
Applications	10BASE-T, 100BASE-TX, 100BASE-T4, 1000BASE-T, 2.5GBASE-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	0.50 ± 0.01 mm (AWG 24/1)
Insulation	Material	HDPE
	Diameter	0.9 ± 0.05 mm
Sheath	Material	PVC
	Color	Dark Grey
	Thickness	0.55 ± 0.05 mm
	Diameter	5.20 ± 0.20 mm
Sheath printing	Network Internet Cable U/UTP Cat.5e 24AWG 4x2x0.50mm PVC CE ANSI/TIA-568-C.2 OPERATING VOLTAGE MAX 72VOLTS week/year 001-305m	
Rip-cord	Yes (Nylon)	
Separator (Cross member)	No	
Drain wire	No	
Shielding	No	
Electrical Characteristics (20°C)	1.0-100.0 Mhz impedance	100 ± 15 Ω @ ≤ 100 Mhz
	1.0-100.0 MHz delay skew	≤ 45 ns/100 m
	DC resistance	≤ 10.8 Ω/100 m
	DC conductor resistance unbalance	≤ 5.0%
	NVP (%)	0.69
Package dimension	Pull Box 370 mm (W) × 370 mm (H) × 220 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	65,3	62,3	20	63,8	60,8
4	4,1	56,3	53,3	23	51,8	48,8
8	5,8	51,8	48,8	24,5	45,7	42,7
10	6,5	50,3	47,3	25	43,8	40,8
16	8,2	47,2	44,4	25	39,7	36,7
20	9,3	45,8	42,8	25	37,8	34,8
25	10,4	44,3	41,3	24,3	35,8	32,8
31,25	11,7	42,9	39,9	23,6	33,9	30,9
62,5	17	38,4	35,4	21,5	27,9	24,9
100	22	35,3	32,3	20,1	23,8	20,8