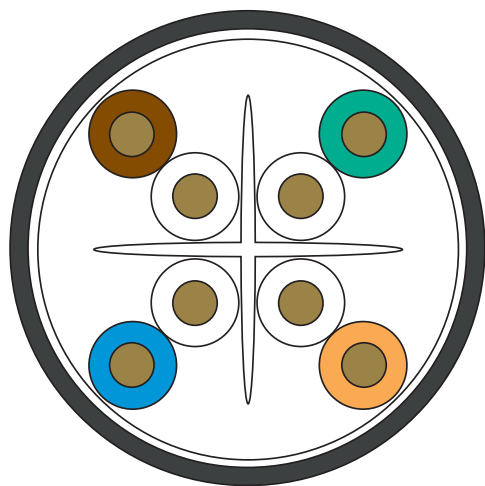


U-UTP cable 4x2xAWG23

Cat6 PE black

Item no.: LVN122155



PRODUCT OVERVIEW

Used in structured cabling systems. For transmission of telecommunication and high speed data. Ideally suited for outdoor use.

This is currently the most common and basic method of cable construction, consisting of pairs of wires twisted together. There is no shielding, instead the symmetrical twist in the wires create a balanced transmission line, helping to reduce electrical noise and EMI.

SPECIFICATIONS

Category	6 U/UTP
Transmission speed	1Gbps
Frequency	250 Mhz
Impedance	100 +/- 15 Ohm
NVP value	69%
EMC Class	B
Reaction-to-fire Class	Fca
Number of pairs	4
Conductor	AWG23 solid copper
Conductor insulation	PE

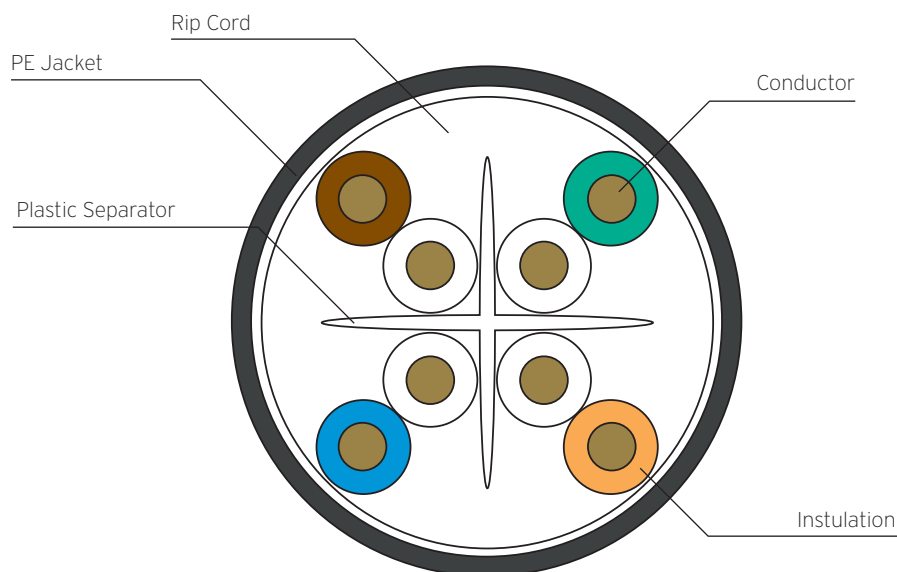
Jacket material	PE
UV resistant	Yes
Cable color	Black
Standards	EIA/TIA 568B, ISO/IEC11801, EN 50173-2
Meter marked	Yes
Packing	500 m reel



SPECIFICATIONS

Category	UTP/CAT6-4P-PE		
Test Standard	ISO/IEC-11801. TIA/EIA 568B YD/T 1019-2001		
Conductor	Material		SOLID-BARE Copper
	Nom. O.D. (mm)	0,565	Up +0.005
			Down -0.005
Insulation	Material		HDPE
	Diameter		1.025±0.02mm
Color	A. Blue, White-Blue		B. Orange, White-Orange
	C. Green, White-Green		D. Brown, White-Brown
Rip-cord	Yes	Drainwire	No
Sheath	Thickness		0.60±0.05 mm
	External O.D		6.5±0.3mm
	Surface		Clean, Frap, Sations
	Material		CM/LSZH (complies RoHS)
	Color		Multiple
Surface Printing	Letter height		3.0±0.3mm
	Color		White
	Print error & space		≤±0.5% 1m
Packing	Carton, pallet		
Carton dimension	42*42*21cm		
Packaging length	500 m		
Sheath Shysical Properties	Before Aging	Tersile Strength (Mpa) ≥13.5	
		Elongation(%) ≥350	
	Aging Period (°C X hrs)		100°C X 24h X 7d
	After Aging	Tensile Strength (Mpa) ≥12.5	
		Elongation(%) ≥125	
	Cold Bend (-20°C ± 2°C x 4h)		No visible cracks
Electrical Characheristics (20°C)	1.0-100.0 MHz, Characteristic impeacance (Ω) 100 ±15		
	1.0-100.0 MHz, Delay Shew 20°C (ns/100m) ≥45		
	DC Resistance 20°C (Ω/100m) max		9.5
	DC Conductor Resistance Unbalance (%)		max 5.0
Plastic Separator	O.D 4.5mm		
Nom thickness	0.45mm (complies RoHS)		

U-UTP cable 4x2xAWG23 Cat6 PE black



TECHNICAL PERFORMANCE (100M) (20°C)

	RL	ATT	NEXT	DELAY	PSNEXT	ELFEXT	PSELFEXT
(MHz)	≥dB	≤dB	≥dB	≤ns	≥dB	≥dB	≥dB
1	20.0	1.9	74.0	570.00	72.3	68.0	65.0
4.0	23.0	3.7	65.0	552.00	63.3	56.0	53.0
8.0	24.5	5.3	60.7	546.73	58.8	49.9	46.9
10.0	25.0	5.9	59.0	545.38	57.3	48.0	45.0
16.0	25.0	7.5	56.0	543.00	54.2	43.9	40.9
20.0	25.0	8.4	55.0	542.05	52.8	42.0	39.0
25.0	24.3	9.5	53.3	541.20	41.3	40.0	37.0
31.25	23.6	10.6	52.0	540.44	49.9	38.1	35.1
62.5	21.5	15.4	47.0	538.55	45.4	32.1	29.1
100	20.1	19.8	44.0	537.60	42.3	28.8	25.0
200	18.0	29.0	40.0	536.54	37.8	22.0	19.0
250	17.3	32.8	38.0	536.27	36.3	20.0	17.0

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