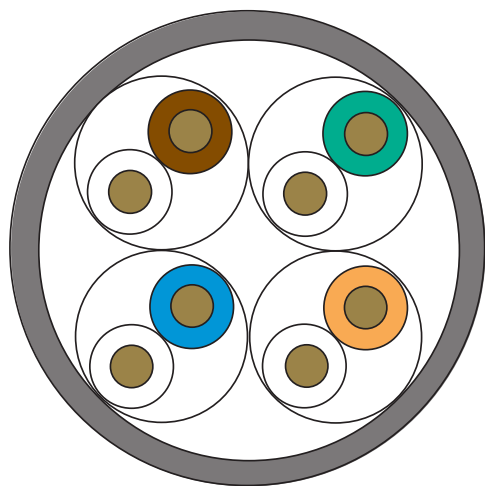


U-UTP cable 4x2xAWG24

Cat5e PE black

Item no.: LVN122149



PRODUCT OVERVIEW

Used in structured cabling systems. To prevent water penetration in the end of the cables apply end sleeves during installation. Suitable 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	5e U/UTP
Transmission speed	1Gbps
Frequency	100 Mhz
Impedance	100 +/- 15 Ohm
NVP value	69%
EMC Class	B
Reaction-to-fire Class	Fca
Number of pairs	4
Conductor	AWG24 solid copper
Conductor insulation	PE

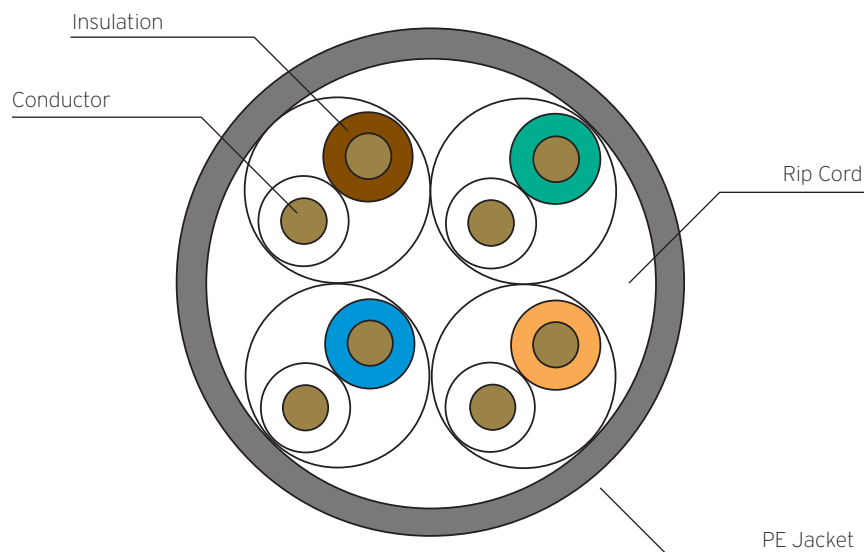
Jacket material	LSZH PE
UV resistant	Yes
Cable color	White
Standards	EIA/TIA 568B, ISO/IEC11801, EN 50173-2
Meter marked	Yes
Packing	305m Box



SPECIFICATIONS

Category	UTP/CAT5e-4P-PE		
Test Standard	ISO/IEC-11801, TIA/EIA 568B YD/T 1019-2001		
Conductor	Material		SOLID-BARE Copper
	Nom. O.D. (mm)	0.50	Up +0.005
			Down -0.005
Insulation	Material		HDPE
	Diameter		0.88±0.03mm
Color	A. Blue, White-Blue		B. Orange, White-Orange
	C. Green, White-Green		D. Brown, White-Brown
Rip-cord	Yes		Drainwire No
Sheath	Thickness		0.50±0.05 mm
	External O.D		5.4±0.5 mm
	Surface		Clean, Frap, Sations
	Material		CM/LSZH (complies RoHS)
	Color		Multiple
Surface Printing	Letter height		3.0±0.3mm
	Color		Black
	Print error & space		≤±0.5% 1m
Packing	Carton, pallet		
Carton dimension	35*35*20cm		
Packaging length	500 m		
Sheath Shysical Properties	Before Aging	Tersile Strength (Mpa) ≥10	
		Elongation(%)	≥350
	Aging Period (°C X hrs)		100°C X 24h X 7d
	After Aging		Elongation(%) ≥300
	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		9.38
	DC Conductor Resistance Unbalance (%)		max 5.0

U-UTP cable 4x2xAWG24 Cat5e 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	2.0	65.3	570.00	62.3	64.0	61.0
4.0	23.0	4.1	56.3	552.00	53.3	52.0	49.0
8.0	24.5	5.8	51.8	546.73	48.8	45.9	42.9
10.0	25.0	6.5	50.3	545.38	47.3	44.0	41.0
16.0	25.0	8.2	47.2	543.00	44.4	39.9	36.9
20.0	25.0	9.3	45.8	542.05	42.8	38.0	35.0
25.0	24.3	10.4	44.3	541.20	41.3	35.8	33.0
31.25	23.6	11.7	42.9	540.44	39.9	34.1	31.1
62.5	21.5	17.0	38.4	538.55	35.4	26.1	25.1
100	20.1	22.0	35.3	537.60	32.3	24.0	21.0

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