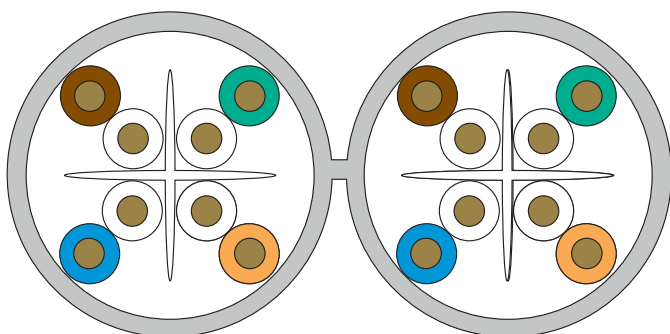


# U-UTP cable 2x(4x2xAWG23) Cat6 LSZH white

Item no.: LVN122162



## PRODUCT OVERVIEW

Used in structured cabling systems. For transmission of telecommunication and high speed data. 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

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

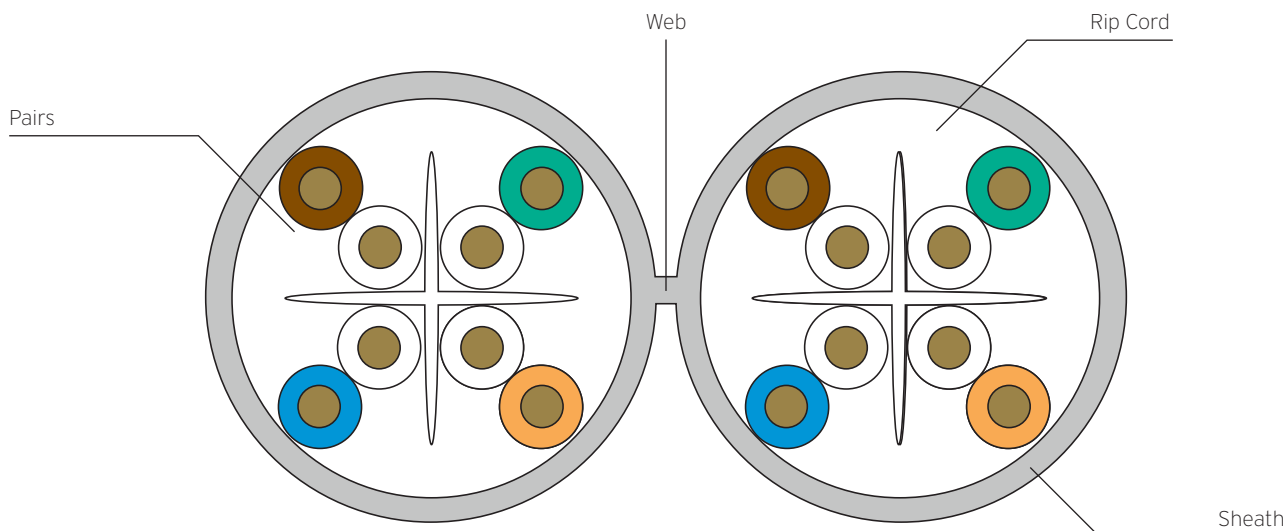
<b>Jacket material</b>	LSZH
<b>Cable color</b>	Black
<b>Standards</b>	EIA/TIA 568B, ISO/IEC11801, EN 50173-2
<b>Meter marked</b>	Yes
<b>Packing</b>	500 m reel



## SPECIFICATIONS

<b>Category</b>	UTP/CAT6-4P-LSZH		
<b>Test Standard</b>	ISO/IEC-11801. TIA/EIA 568B YD/T 1019-2001		
<b>Conductor</b>	Material	SOLID-BARE Copper	
	Nom. O.D. (mm)	0,565	Up +0.005 Down -0.005
<b>Insulation</b>	Material	HDPE	
	Diameter	1.02±0.04mm	
<b>Color</b>	A. Blue, White-Blue	B. Orange, White-Orange	
	C. Green, White-Green	D. Brown, White-Brown	
<b>Rip-cord</b>	Yes	Drainwire	No
	Thickness	1.55±0.05 mm	
<b>Sheath</b>	External O.D	(6.4/13.0)±0.4mm	
	Surface	Clean, Frap, Sations	
	Material	LSZH (RoHS Complied)	
	Color	Multiple	
<b>Surface Printing</b>	Letter height	3.0±0.3mm	
	Color	Black	
	Print error & space	≤±0.5% 1m	
<b>Packing</b>	Drum in Carton		
<b>Carton dimension</b>	-		
<b>Packaging length</b>	500 m		
<b>Sheath Shysical Properties</b>	Before Aging	Tersile Strength (Mpa)	≥10
		Elongation(%)	≥125
	Aging Period (°C X hrs)	100°C X 24h X 7d	
	After Aging	Tensile Strength (Mpa)	≥8.0
		Elongation(%)	≥100
	Cold Bend (-20°C ± 2°C x 4h)	No visible cracks	
<b>Electrical Characheristics (20°C)</b>	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	

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**TECHNICAL PERFORMANCE (100M) (20°C)**

	RL	ATT	NEXT	DELAY	PSNEXT	ELFEXT	PSELFEXT
(MHz)	≥dB	≤dB	≥dB	≤ns	≥dB	≥dB	≥dB
<b>1</b>	20.0	2.03	74.3	570.00	72.3	67.8	64.8
<b>4.0</b>	23.0	3.78	65.3	552.00	63.3	55.8	52.8
<b>8.0</b>	24.5	5.32	60.8	546.73	58.8	49.7	46.7
<b>10.0</b>	25.0	5.95	59.3	545.38	57.3	47.8	44.8
<b>16.0</b>	25.0	7.55	56.2	543.00	54.2	43.7	40.7
<b>20.0</b>	25.0	8.47	54.8	542.05	52.8	41.8	38.8
<b>25.0</b>	24.3	9.51	53.3	541.20	41.3	39.8	36.8
<b>31.25</b>	23.6	10.67	51.9	540.44	49.9	37.9	34.9
<b>62.5</b>	21.5	15.38	47.7	538.55	45.4	31.9	28.9
<b>100</b>	20.1	19.80	44.3	537.60	42.3	27.8	24.8
<b>200</b>	18.0	28.98	39.8	536.54	37.8	21.8	18.8
<b>250</b>	17.3	32.85	38.3	536.27	36.3	19.8	16.8

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