

U-UTP MUSHROOM cable

4x2xAWG23 Cat6a

Item no.: LVN122182



PRODUCT OVERVIEW

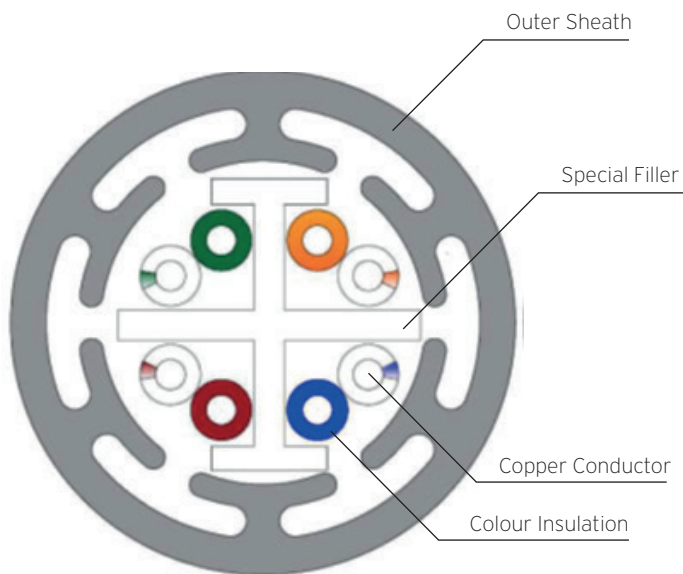
Enhanced performance cable design for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Used in structured cabling systems. For transmission of telecommunications and high speed data. HD-Base T application.

SPECIFICATIONS

Category	6a U/UTP
Construction	Mushroom
Transmission speed	10Gbps
Frequency	500 Mhz
Impedance	100 +/- 15 Ohm
NVP value	68%
EMC Class	C
Reaction-to-fire Class	Eca
Number of pairs	4
Conductor	AWG23 solid copper

Diameter	Ø 7.8 mm
Conductor insulation	PE
Jacket material	LSZH
Cable color	White RAL 9003
Standards	EIA/TIA 568B, ISO/IEC11801, EN 50173
Meter marked	Yes
Packing	500 m reel





CONSTRUCTION

Conductor	23 AWG Solid bare Copper
Insulation	High Density Polyethylene
Pairs	2 insulated conductors twisted together
Filler	Special Filler
Sheath	LSZH
Printing	Each meter printed with: LANVIEW MUSHROOM U-UTP CABLE CATEGORY 6A 4X2XAWG23 LSZH Acooring to TIA-568-C.2/ISO/IEC 11801 10G BaseT NVP 68% xxx M ddmmyy

COLOUR CODE

PAIR NO	COLOUR
1-2	White-Orange Stripe and Orange
3-6	White-Green Stripe and Green
4-5	White-Blue Stripe and Blue
7-8	White-Brown Stripe and Brown

ELECTRICAL PROPERTIES

Characteristic impedance	100 ±15 Ω
Conductor resistance	≤9.38 Ω/100m
Mutual capacitance	<5.6nF/100m
Resistance unbalance	5% Max
Capacitance unbalance	300pF/100m
Delay Skew	< 45nS

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TECHNICAL PERFORMANCE (100M) (20°C)

FREQUENCY	MAX ATTENUATION	RL	NEXT	PSNEXT	ACR	PSACRF
(MHz)	dB/100m	≤dB	≥dB	≤ns	≥dB	≥dB
1	1.9	19.1	65.0	62.0	67.8	64.8
4	3.5	21.0	64.1	61.8	55.8	52.8
10	5.5	21.0	57.8	55.5	47.8	44.8
16	7.0	20.0	54.6	52.2	43.7	40.7
20	7.8	19.5	53.1	50.7	41.8	38.8
31.25	9.8	18.5	50.0	47.5	37.9	34.9
62.5	14.0	16.0	45.1	42.7	31.9	28.9
100	18.0	14.0	41.8	39.3	27.8	24.8
200	26.1	11.0	36.9	34.3	21.8	18.8
250	29.5	10.0	35.3	32.7	19.8	16.8
300	32.7	9.2	34.0	31.4	18.3	15.3
500	43.8	8.0	26.7	23.8	13.8	10.8

FLAME PROPERTIES

Frammability test	IEC 60332-1
Smoke density test	IEC 61034
Acid & pH conductivity	IEC 60754

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