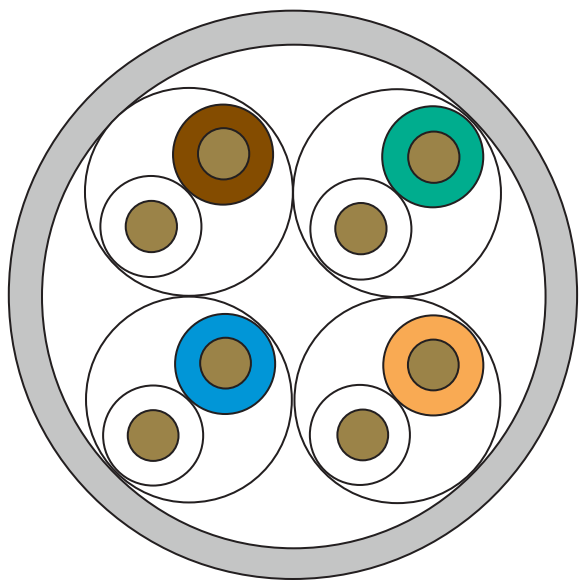


# U-FTP HD-BaseT cable

## 4x2xAWG23 Cat6A LSZH white

Item no.: LVN122432



### PRODUCT OVERVIEW

This Cat 6A cable has been tested and approved by the HDBaseT Alliance, guaranteeing its quality and network performance. The HDBaseT standard allows for the distribution of full HD video, 2K and 4K uncompressed video, audio, 100BaseT Ethernet, power and control across a single Cat 6A cable.

### SPECIFICATIONS

<b>Category</b>	6a U/FTP
<b>Transmission speed</b>	10Gbps
<b>Frequency</b>	500 MHz
<b>Impedance</b>	100 +/- 15 Ohm
<b>NVP value</b>	74%
<b>EMC Class</b>	D
<b>Reaction-to-fire Class</b>	Dca
<b>Number of pairs</b>	4
<b>Conductor</b>	AWG23 solid copper
<b>Conductor insulation</b>	PE

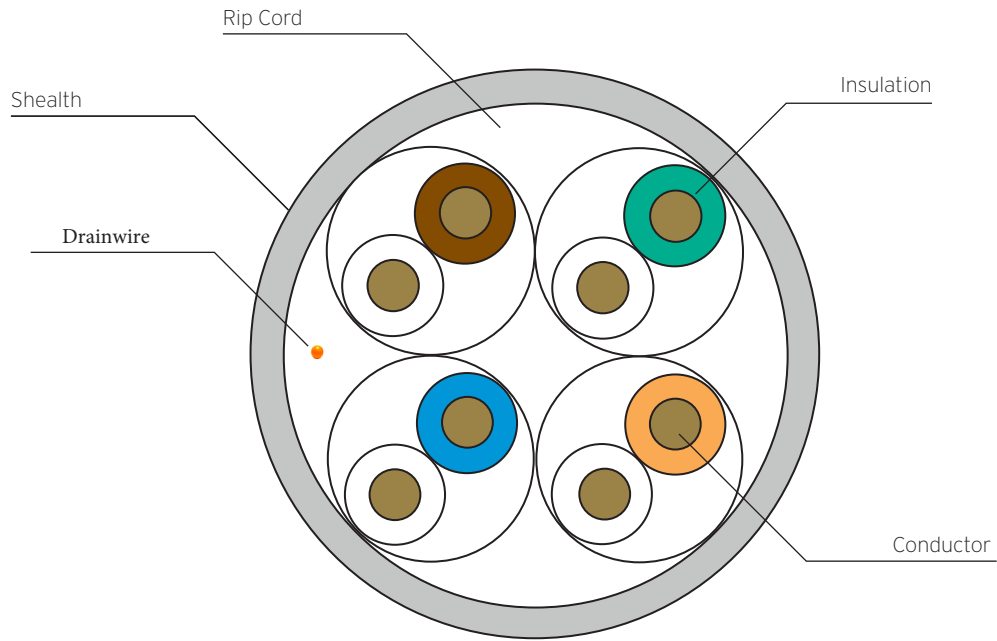
<b>Jacket material</b>	LSZH
<b>Cable color</b>	White
<b>HD-Base T application</b>	Yes
<b>Standards</b>	EIA/TIA 568B, ISO/IEC11801, EN 50173-2
<b>Meter marked</b>	Yes
<b>Packing</b>	305m Box reel packed



## SPECIFICATIONS

<b>Category</b>	U/FTP- CA T6A-4P-LSZH		
<b>Test Standard</b>	SO/IEC11801, TIA- 568-C.2, YD/T 1019		
<b>Conductor</b>	Material	SOLID-BARE Copper	
	Nom. O.D. (mm)	0.56 Up +0.005 Down -0.005	
<b>Insulation</b>	Material	HDPE	
	Diameter	0.88±0.03mm	
<b>Screening Material</b>	Aluminum Foil	Drain wire TC 0.45mm	
<b>Color</b>	A. White/Blue	B. White/Orange	
	C. White/Green	D. White/Brown	
<b>Rip-cord</b>	Yes		
<b>Sheath</b>	Thickness	0.50±0.05 mm	
	External O.D	7.3±0.5mm	
	Surface	Clean, Frap, Satians	
	Material	CM/LSZH(complies RoHS)	
	Color	Multiple	
<b>Surface Printing</b>	Letter height	3.0±0.3mm	
	Color	Black	
	Print error & space	≤±0.5% 1m	
<b>Packing</b>	Carton Box		
<b>Packaging length</b>	305 m		
<b>Sheath Physical 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 Characteristics (20°C)</b>	Delay Shew (ns/100m)	≥45	
	Velocity of Propagation (%)	68	
	unbalanced-to-ground capacitance (pf/1 00m)	max 330	
	DC Resistance (1/100m)	max 9.38	
	DC Conductor Resistance Unbalance (%)	max 2.0	

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

Frequency (MHz)	RL $\geq$ dB	ATT $\leq$ dB	NEXT $\geq$ dB	PHASE DELAY $\leq$ ns
1	20.0	—	74.3	570
4.0	23.0	3.8	65.3	552
8.0	24.5	5.3	60.8	547
10.0	25.0	5.9	59.3	545
16.0	25.0	7.5	56.2	543
20.0	25.0	8.4	54.8	542
25.0	24.3	9.4	53.3	541
31.25	23.6	10.5	51.9	540
62.5	21.5	15.0	47.4	539
100	20.1	19.1	44.3	538
200	18.0	27.6	39.8	537
250	17.3	31.1	38.3	536
300	16.8	34.3	37.1	536
400	15.9	40.1	35.3	536
500	15.2	45.3	33.8	536

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