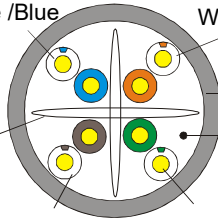


TECHNICAL DATA SHEET

U/UTP 4Pairs cable-category 6-LSZH Sheath

P/N: LVN122156

Content of the Data Sheet												
Sheath Printing		TBD										
Customer No.			Customer Reference		White-Blue /Blue White-Orange /Orange Sheath Rip-cord White-Brown /Brown White-Green /Green Seperator 							
Category		U/UTP CAT6-4P-LSZH (B2ca-s1a,d1,a1)										
Reference Standard		ISO/IEC11801、ANSITIA-568.2-D										
Conductor		Material		SOLID-Bare Copper								
		Nom.O.D.(mm)		0.500						±0.005		
0.510												
Insulation		Material		HDPE								
		Diameter		0.88±0.08mm								
Filling		Plastic Separator : FRPE					FLUKE Permanent link Technical Performance (≤85m) :					
Sheath		Thickness		0.65±0.1 mm			Frequency (MHz)	RL (dB)	ATT (dB)	NEXT (dB)	DELAY (ns)	
		External O.D.		5.7±0.4 mm			1	19.1	3.0	65.0	570.0	
		Surface		Clean,Frap,Satiation			4.0	21.0	3.5	64.1	552.0	
		Material		FR-LSZH(complies RoHS)			8.0	21.0	5.0	59.4	546.7	
		Color		TBD			10.0	21.0	5.5	57.8	545.4	
Surface Printing		Letter height		3.0±0.3mm			16.0	20.0	7.0	54.6	543.0	
		Color		Orange			20.0	19.5	7.9	53.1	542.1	
		Print error & Space		≤±0.5%, 1m			25.0	19.0	8.9	51.5	541.2	
Core Color		1 White- Blue /Blue		2 White-Orange /Orange			31.25	18.5	10.0	50.0	540.4	
		3 White-Green /Green		4 White- Brown /Brown			62.5	16.0	14.4	45.1	538.6	
Packing		Drum					100	14.0	18.6	41.8	537.6	
Carton dimension		According to the requires					200	11.0	27.4	36.9	536.5	
Packing length		305±1.5m					250	10.0	31.1	35.3	536.3	
Rip-cord		Yes		Drain wire		No		Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	
Sheath Physical Properties		Before Aging		Tensile Strength (Mpa)		≥9.0		1	62.0	64.2	61.2	
				Elongation (%)		≥100		4	61.8	52.1	49.1	
		Aging Period (°C×hrs)		100℃×24h×7d					8	57.0	46.1	43.1
									10	55.5	44.2	41.2
									16	52.2	40.1	37.1
		After Aging		Tensile Strength (Mpa)		≥8.0		20	50.7	38.2	35.2	
				Elongation (%)		≥70		25	49.1	36.2	33.2	
Electrical Characteristics (20℃)		Cold bend (-20±2℃×4h) 15times cable O.D. No visible cracks					31.25	47.5	34.3	31.3		
		1.0-250.0MHz		Impedance ((Ω)		100±15		62.5	42.7	28.3	25.3	
		1.0-250.0MHz		Delay Skew (ns/100m)		≤45		100	39.3	24.2	21.2	
		DC Resistance (Ω/100m) max		9.5		200	34.3	18.2	15.2			
		DC Conductor Resistance Unbalance (%) max 5.0					250	32.7	16.2	13.2		
Reaction to fire Classification: B2ca-s1a,d1,a1						CPR Part no. LVN122156						
Version	A/02	Date	2024-01-10			Audited By		Approved By				

TECHNICAL DATA SHEET

Number	Revise Contents	Revise Reasons	Revised By	Audited By	Approved By	Date
A/01	Specification Version 1		Caihanglie	Nidonghua	Nidonghua	2019-11-12
A/02	Specification Version 2		Caihanglie	Nidonghua	Nidonghua	2024-01-10