

U/UTP 4Pairs cable-category6- LSZH Sheath

P/N: LG2401-026

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 Separator		
Category		U/UTP CAT6-4P-LSZH							
Reference Standard		ISO/IEC11801、TIA-568-C.2							
Conductor		Material		SOLID-Bare Copper					
		Nom.O.D.(mm)		0.530		up			
						down		-0.005	
Insulation		Material		HDPE					
		Diameter		0.93±0.08mm					
Sheath		Thickness		0.55±0.05 mm			Technical Performance (100m) :		
		External O.D.		5.8±0.4mm			Frequency RL ATT (20℃) NEXT PHASE DELAY		
		Surface		Clean, Frap, Satiation			(MHz) ≥dB ≤dB ≥dB ≤ns		
		Material		LSZH(complies RoHS)			1 20.0 2.03 74.3 570.00		
		Color		TBD			4.0 23.0 3.78 65.3 552.00		
Surface Printing		Letter height		3.0±0.3mm			8.0 24.5 5.32 60.8 546.73		
		Color		Black			10.0 25.0 5.95 59.3 545.38		
		Print error & Space		≤±0.5%, 1m			16.0 25.0 7.55 56.2 543.00		
							20.0 25.0 8.47 54.8 542.05		
Core Color		1 White- Blue /Blue		2 White-Orange /Orange			25.0 24.3 9.51 53.3 541.20		
		3 White-Green /Green		4 White- Brown /Brown			31.25 23.6 10.67 51.9 540.44		
Packing		Wooden Tray & Carton					62.5 21.5 15.38 47.7 538.55		
Carton dimension		According to the requires					100 20.1 19.80 44.3 537.60		
Packing length		(305+1.5)m					200 18.0 28.98 39.8 536.54		
Rip-cord		Yes		Drain wire		No		250 17.3 32.85 38.3 536.27	
Sheath Physical Properties		Before Aging Tensile Strength (Mpa)		≥10.0			Frequency PSNEXT ELFEXT PSELFEXT		
		Elongation(%)		≥125			(MHz) ≥dB ≥dB ≥dB		
		Aging Period (℃×hrs)		100℃×24h×7d			1 72.3 67.8 64.8		
		After Aging Tensile Strength(Mpa)		≥8.0			4 63.3 55.8 52.8		
		Elongation(%)		≥100			8 58.8 49.7 46.7		
Electrical Characteristics (20℃)		1.0-250.0MHz Impedance ((Ω)		100±15			10 57.3 47.8 44.8		
		1.0-250.0MHz Delay Skew (ns/100m)		≤45			16 54.2 43.7 40.7		
		DC Resistance (Ω/100m) max		9.38			20 52.8 41.8 38.8		
		DC Conductor Resistance Unbalance (%) max		5.0			25 51.3 39.8 36.8		
							31.25 49.9 37.9 34.9		
							62.5 45.4 31.9 28.9		
							100 42.3 27.8 24.8		
							200 37.8 21.8 18.8		
							250 36.3 19.8 16.8		
Version	A/03	Date	2024-01-09	Revised By	Caihangle	Audited By	Nidonghua	Approved By	Nidonghua

Number	Revise Contents	Revise Reasons	Revised By	Audited By	Approved By	Date
A/01	Specification Version 1		Caihanglie	Nidonghua	Nidonghua	2017-08-25
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A/03	Specification Version 3		Caihanglie	Nidonghua	Nidonghua	2024-01-09