

U/UTP 4Pairs cable-category6- LSZH Sheath

P/N: LG2401-035

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)		0.565		up					+0.005			
						down		-0.005						
Insulation		Material		HDPE										
		Diameter		0.99±0.08mm										
Sheath		Thickness		0.55±0.05 mm			Technical Performance (100m):							
		External O.D.		6.2±0.4mm			Frequency (MHz)	RL ≥dB	ATT (20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns			
		Surface		Clean, Frap, Satiation			1	20.0	2.03	74.3	570.00			
		Material		LSZH(complies RoHS)			4.0	23.0	3.78	65.3	552.00			
		Color		TBD			8.0	24.5	5.32	60.8	546.73			
Surface Printing		Letter height		3.0±0.3mm			10.0	25.0	5.95	59.3	545.38			
		Color		Black			16.0	25.0	7.55	56.2	543.00			
		Print error & Space		≤±0.5%, 1m			20.0	25.0	8.47	54.8	542.05			
							25.0	24.3	9.51	53.3	541.20			
Core Color		1 White- Blue /Blue		2 White-Orange /Orange			31.25	23.6	10.67	51.9	540.44			
		3 White-Green /Green		4 White- Brown /Brown			62.5	21.5	15.38	47.7	538.55			
Packing		Wooden Tray & Carton					100	20.1	19.80	44.3	537.60			
Carton dimension		According to the requires					200	18.0	28.98	39.8	536.54			
Packing length		(305+1.5)m					250	17.3	32.85	38.3	536.27			
Rip-cord		Yes		Drain wire		No		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB			
Sheath Physical Properties		Before Aging Tensile Strength (Mpa)		≥10.0			1	72.3	67.8	64.8				
		Elongation(%)		≥125			4	63.3	55.8	52.8				
		Aging Period (℃×hrs)		100℃×24h×7d			8	58.8	49.7	46.7				
		After Aging Tensile Strength(Mpa)		≥8.0			10	57.3	47.8	44.8				
		Elongation(%)		≥100			16	54.2	43.7	40.7				
		Cold bend(-20±2℃×4h)		8×Cable O.D., No visible cracks			20	52.8	41.8	38.8				
Electrical Characteristics (20℃)		1.0-250.0MHz Impedance ((Ω)		100±15			25	51.3	39.8	36.8				
		1.0-250.0MHz Delay Skew (ns/100m)		≤45			31.25	49.9	37.9	34.9				
		DC Resistance (Ω/100m) max		9.38			62.5	45.4	31.9	28.9				
		DC Conductor Resistance Unbalance (%) max		5.0			100	42.3	27.8	24.8				
Version		A/02		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
A/02	Specification Version 2		Caihanglie	Nidonghua	Nidonghua	2024-01-09