

U/UTP 4Pairs cable-category6- PVC Sheath

P/N: LG2401-002

Content of the Data Sheet																			
Sheath Printing		TBD																	
Customer No.			Customer Reference				White-Blue /Blue White-Orange /Orange Sheath Rip-cord Separator White-Brown /Brown White-Green /Green												
Category		U/UTP CAT6-4P-PVC																	
Reference Standard		ISO/IEC11801、TIA-568-C.2																	
Conductor		Material		SOLID-Bare Copper															
		Nom.O.D.(mm)		0.530		up				+0.005									
						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 (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		PVC(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									
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)		≥13.5													
				Elongation(%)		≥150													
		Aging Period (℃×hrs)		100℃×24h×7d															
		After Aging		Tensile Strength(Mpa)		≥12.5													
				Elongation(%)		≥125													
Electrical Characteristics (20℃)		1.0-250.0MHz		Impedance ((Ω)		100±15													
		1.0-250.0MHz		Delay Skew (ns/100m)		≤45													
		DC Resistance (Ω/100m) max				9.38													
		DC Conductor Resistance Unbalance (%) max				5.0													
Version		A/03		Date		2024-01-08		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	2023-12-14
A/03	Specification Version 3		Caihanglie	Nidonghua	Nidonghua	2024-01-08