

U/UTP 4Pairs cable-category6- PVC Sheath

P/N: LG2401-016

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)		0.565		up					+0.005
						down	-0.005				
Insulation		Material		HDPE							
		Diameter		1.02±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		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/02		Date		2024-01-09	Revised By		Caihanglie	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