

F/UTP 4Pairs cable-category6- PVC Sheath

P/N: LG2402-005

Content of the Data Sheet												
Sheath Printing		TBD										
Customer No.			Customer Reference				White- Blue /Blue Separator White-Orange /Orange Mylar AL/Mylar Drain wire White-Green /Green White-Brown /Brown Sheath Rip-cord					
Category		F/UTP CAT6-4P-PVC										
Reference Standard		ISO/IEC11801 、ANSI/TIA-568.2-D										
Conductor		Material		SOLID-Bare Copper								
		Nom.O.D.(mm)		0.565	up	+0.005						
				down	-0.005							
Insulation		Material		HDPE								
		Diameter		1.12±0.08 mm								
Screening Material		Mylar+ AL/Mylar										
Sheath		Thickness		0.55±0.05mm			Technical Performance (100m) :					
		External O.D.		7.4±0.4mm			Frequency (MHz)	RL ≥dB	ATT (20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	
		Surface		Clean, Frap, Satiation			1	20.0	—	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	
							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		Drum					100	20.1	19.80	44.3	537.60	
Wooden Tray dimension		According to the requires					200	18.0	28.98	39.8	536.54	
Packing length		305±1.5m					250	17.3	32.85	38.3	536.27	
Rip-cord		Yes		Drain wire		Yes						
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℃)		Cold bend(-20±2℃×4h)		8×Cable O.D., No visible cracks								
		1.0-250.0MHz		Impedance (Ω)		100±15						
		1.0-250.0MHz		Delay Skew (ns/100m)		≤45						
		Unbalanced-to-ground capacitance (pf/100m) max		330								
		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