

F/UTP 4Pairs cable-category5E- PVC Sheath

P/N: LG2302-006

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 Mylar AL/Mylar Drain wire						
Category		F/UTP CAT5E-4P-PVC									
Reference Standard		ISO/IEC11801、TIA-568-C.2									
Conductor		Material		Solid-Bare Copper							
		Nom.O.D.(mm)		0. 500							up
				down	-0.005						
Insulation		Material		HDPE							
		Diameter		1.00±0.05 mm							
Screening Material		Mylar+ AL/Mylar									
Sheath		Thickness		0.55±0.05mm		Technical Performance (100m):					
		External O.D.		6.2±0.4 mm		Frequency (MHz)	RL ≥dB	ATT (20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	
		Surface		Clean, Frap, Satiation		1	20. 0	—	65. 3	570. 00	
		Material		PVC(complies RoHS)		4	23. 0	4. 1	56. 3	552. 00	
		Color		TBD		8	24. 5	5. 8	51. 8	546. 73	
Surface Printing		Letter height		3.0±0.3mm		10	25. 0	6. 5	50. 3	545. 38	
		Color		Black		16	25. 0	8. 2	47. 2	543. 00	
		Print error & Space		≤±0.5%, 1m		20	25. 0	9. 3	45. 8	542. 05	
						25	24. 3	10. 4	44. 3	541. 20	
Core Color		1 White- Blue /Blue		2 White-Orange /Orange		31. 25	23. 6	11. 7	42. 9	540. 44	
		3 White- Green /Green		4 White- Brown /Brown		62. 5	21. 5	17. 0	38. 4	538. 55	
Packing		Wooden Tray & Carton				100	20. 1	22. 0	35. 3	537. 60	
Carton dimension		According to the requires				Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB		
Packing length		305±1.5m				1	62. 3	63. 8	60. 8		
Rip-cord		Yes	Drain wire		Yes	4	53. 3	51. 8	48. 8		
Sheath Physical Properties		Before Aging Tensile Strength (Mpa) ≥13.5				8	48. 8	45. 7	42. 7		
		Elongation(%) ≥150				10	47. 3	43. 8	40. 8		
		Aging Period((℃×hrs) 100℃×24h×7d				16	44. 4	39. 7	36. 7		
		After Aging Tensile Strength(Mpa) ≥12.5				20	42. 8	37. 8	34. 8		
		Elongation(%) ≥125				25	41. 3	35. 8	32. 8		
Electrical Characteristics (20℃)		Cold bend(-20±2℃×4h) 8×Cable O.D., No visible cracks				31. 25	39. 9	33. 9	30. 9		
						62. 5	35. 4	27. 9	24. 9		
						100	32. 3	23. 8	20. 8		
		1.0-100.0MHz Impedance(Ω) 100±15									
		1.0-100.0MHz Delay Skew (ns/100m) ≤45									
		unbalanced-to-ground capacitance(pf/100m) max 330									
		DC Resistance (Ω /100m) max 9.5									
		DC Conductor Resistance Unbalance (%) max 5.0									
Version	A/01	Date	2017-08-25	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