

F/UTP 4Pairs cable-category5E- LSZH Sheath

P/N: LG2302-021

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-LSZH									
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 RL ATT (20℃) NEXT PHASE DELAY					
		Surface		Clean, Frap, Satiation		(MHz) ≥dB ≤dB ≥dB ≤ns					
		Material		LSZH(complies RoHS)		1 20. 0 — 65. 3 570. 00					
		Color		TBD		4 23. 0 4. 1 56. 3 552. 00					
Surface Printing		Letter height		3.0±0.3mm		8 24. 5 5. 8 51. 8 546. 73					
		Color		Black		10 25. 0 6. 5 50. 3 545. 38					
		Print error & Space		≤±0.5%, 1m		16 25. 0 8. 2 47. 2 543. 00					
						20 25. 0 9. 3 45. 8 542. 05					
Core Color		1 White- Blue /Blue		2 White-Orange /Orange		25 24. 3 10. 4 44. 3 541. 20					
		3 White- Green /Green		4 White- Brown /Brown		31. 25 23. 6 11. 7 42. 9 540. 44					
Packing		Wooden Tray & Carton				62. 5 21. 5 17. 0 38. 4 538. 55					
Carton dimension		According to the requires				100 20. 1 22. 0 35. 3 537. 60					
Packing length		305±1.5m				Frequency PSNEXT ELFEXT PSELFEXT					
Rip-cord		Yes		Drain wire		Yes		(MHz) ≥dB ≥dB ≥dB			
Sheath Physical Properties		Before Aging Tensile Strength (Mpa) ≥10.0				1 62. 3 63. 8 60. 8					
		Elongation(%) ≥125				4 53. 3 51. 8 48. 8					
		Aging Period((℃×hrs) 100℃×24h×7d				8 48. 8 45. 7 42. 7					
		After Aging Tensile Strength(Mpa) ≥8.0				10 47. 3 43. 8 40. 8					
		Elongation(%) ≥100				16 44. 4 39. 7 36. 7					
Electrical Characteristics (20℃)		Cold bend(-20±2℃×4h) 8×Cable O.D., No visible cracks				20 42. 8 37. 8 34. 8					
		1.0-100.0MHz Impedance(Ω)		100±15		25 41. 3 35. 8 32. 8					
		1.0-100.0MHz Delay Skew (ns/100m)		≤45		31. 25 39. 9 33. 9 30. 9					
		unbalanced-to-ground capacitance(pf/100m) max		330		62. 5 35. 4 27. 9 24. 9					
		DC Resistance (Ω /100m) max		9.5		100 32. 3 23. 8 20. 8					
DC Conductor Resistance Unbalance (%) max		5.0									
Version	A/01	Date	2017-08-25	Revised By	Caihanglei	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