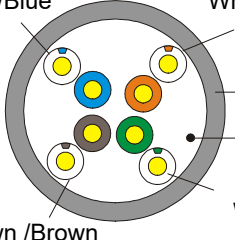


U/UTP 4Pairs cable-category5E-FR-LSZH Sheath

P/N: LG2301-173

Content of the Data Sheet

Sheath Printing		TBD									
Customer No.			Customer Reference				White-Blue /Blue White-Orange/Orange  White- Brown /Brown White- Green /Green Sheath Rip-cord				
Category		U/UTP CAT5E-4P- LSZH(B2ca)									
Reference Standard		ISO/IEC11801、ANSI/TIA-568.2-D									
Conductor		Material		Solid-Bare Copper							
		Nom.O.D.(mm)		0.500	up	+0.005					
				down	-0.005						
Insulation		Material		HDPE							
		Diameter		0.88±0.05mm							
Sheath		Thickness		0.70±0.2 mm		Technical Performance (100m) :					
		External O.D.		5.4±0.4 mm		Frequency RL (MHz)	ATT ≤dB	NEXT ≥dB	Phase DELAY ≤ns		
		Surface		Clean, Frap, Satiation		1	20.0	2.0	65.3	570.00	
		Material		FR-LSZH(complies RoHS)		4.0	23.0	4.1	56.3	552.00	
		Color		TBD		8.0	24.5	5.8	51.8	546.73	
Surface Printing		Letter height		3.0±0.3mm		10.0	25.0	6.5	50.3	545.38	
		Color		Black		16.0	25.0	8.2	47.2	543.00	
		Print error & Space		≤±0.5%, 1m		20.0	25.0	9.3	45.8	542.05	
						25.0	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 PSNEXT (MHz)	≥dB	ELFEXT ≥dB	PSELFEXT ≥dB		
Packing length		(305±1.5)m				1	62.3	63.8	60.8		
Rip-cord		Yes	Drain wire		No	4	53.3	51.8	48.8		
Sheath Physical Properties		Before Aging		Tensile Strength (Mpa) ≥9.0		8	48.8	45.7	42.7		
				Elongation (%) ≥100		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) ≥8.0		20	42.8	37.8	34.8		
				Elongation (%) ≥70		25	41.3	35.8	32.8		
Electrical Characteristics (20℃)		Cold bend (-20 ± 2℃ × 4h)		15times cable O.D. No visible cracks		31.25	39.9	33.9	30.9		
		1.0-100.0MHz		Impedance(Ω) 100±15		62.5	35.4	27.9	24.9		
		1.0-100.0MHz		Delay Skew (ns/100m) ≤45		100	32.3	23.8	20.8		
		DC Resistance (Ω/100m) max		9.38							
		DC Conductor Resistance Unbalance(%) max		5.0							
Reaction to fire Classification: B2ca,s1a,d0,a1											
Version	A/02	Date	2024-02-06	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	2024-02-06