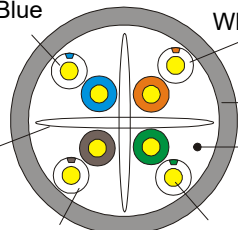


U/UTP 4Pairs cable-category6-LSZH Sheath

P/N: LG2401-103

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-LSZH (Dca,s2,d2,a1)											
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		0.99±0.08mm									
Sheath		Thickness		0.55±0.05 mm			Technical Performance(100m) :						
		External O.D.		6.2±0.4 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns		
		Surface		Clean, Frap, Satiation			1	20.0	2.03	74.3	570.00		
		Material		FR-LSZH(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		Wooden Tray & Carton					100	20.1	19.80	44.3	537.60		
Carton 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		No	Frequency PSNEXT ELFEXT PSELFEXT						
Sheath Physical Properties		Before Aging		Tensile Strength (Mpa)		≥10.0	Frequency (MHz)		PSNEXT ≥dB		ELFEXT ≥dB	PSELFEXT ≥dB	
				Elongation (%)		≥125	1		72.3		67.8	64.8	
		Aging Period (℃×hrs)		100℃×24h×7d				4		63.3		55.8	52.8
		After Aging		Tensile Strength (Mpa)		≥8.0	8		58.8		49.7	46.7	
				Elongation (%)		≥100	10		57.3		47.8	44.8	
Electrical Characteristics (20℃)							16		54.2		43.7	40.7	
							20		52.8		41.8	38.8	
							25		51.3		39.8	36.8	
							31.25		49.9		37.9	34.9	
							62.5		45.4		31.9	28.9	
							100		42.3		27.8	24.8	
							200		37.8		21.8	18.8	
							250		36.3		19.8	16.8	
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									
Reaction to fire Classification: Dca,s2,d2,a1													
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