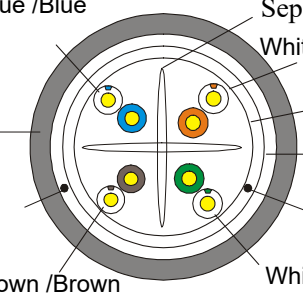


F/UTP 4Pairs cable-category6A-LSZH Sheath

P/N: LG2502-038

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 Rip-cord Sheath 							
Category		F/UTP CAT6A-4P-LSZH(Dca)										
Reference Standard		ISO/IEC11801、ANSI/TIA-568.2-D										
Conductor		Material		SOLID-Bare Copper								
		Nom.O.D.(mm)		0.565						up	+0.01	
				down						-0.01		
Insulation 1		Material		PE								
		Diameter		1.10±0.08mm								
Insulation 2		Material		PE								
		Diameter		1.20±0.08 mm								
Screening Material		Mylar+ AL/Mylar										
Sheath		Thickness		0.55±0.05mm			Technical Performance (100m) :					
		External O.D.		7.4±0.4 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	
		Surface		Clean, Frap, Satiation			1	20.0	—	74.3	570.0	
		Material		LSZH(complies RoHS)			4.0	23.0	3.8	65.3	552.0	
		Color		TBD			8.0	24.5	5.3	60.8	546.7	
Surface Printing		Letter height		3.0±0.3mm			10.0	25.0	5.9	59.3	545.4	
		Color		Black			16.0	25.0	7.5	56.2	543.0	
		Print error & Space		≤±0.5%, 1m			20.0	25.0	8.4	54.8	542.1	
							25.0	24.3	9.4	53.3	541.2	
Core Color		1 White- Blue /Blue		2 White-Orange /Orange			31.25	23.6	10.5	51.9	540.4	
		3 White- Green /Green		4 White- Brown /Brown			62.5	21.5	15.0	47.4	538.6	
Packing		Drum					100	20.1	19.1	44.3	537.6	
Wooden Tray dimension		According to the requires					200	18.0	27.6	39.8	536.5	
Packing length		(305±1.5)m					250	17.3	31.1	38.3	536.3	
Rip-cord		Yes		Drain wire		Yes		300	16.8	34.3	37.1	536.1
Sheath Physical Properties		Before Aging		Tensile Strength (Mpa)		≥10.0		500	15.2	45.3	33.8	535.6
				Elongation (%)		≥125		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
		Aging Period (°C×hrs)		100℃×24h×7d					1	72.3	68.0	65.0
		After Aging		Tensile Strength (Mpa)		≥8.0		4	63.3	56.0	53.0	
				Elongation (%)		≥100		8	58.8	49.9	46.9	
Electrical Characteristics (20℃)		Cold bend (-20±2℃×4h) 8×Cable O.D., No visible cracks					10	57.3	48.0	45.0		
		Impedance(Ω)		1.0-250.0MHz		100±15		16	54.2	43.9	40.9	
				250.0-500.0MHz		100±22		20	52.8	42.0	39.0	
		1.0-500.0MHz		Delay Skew (ns/100m)		≤45		25	51.3	40.0	37.0	
		Unbalanced-to-ground capacitance (pf/100m) max		330		31.25	49.9	38.1	35.1			
		DC Resistance (Ω/100m) max		9.38		62.5	45.4	32.1	29.1			
		DC Conductor Resistance Unbalance (%) max		5.0		100	42.3	28.0	25.0			
						200	37.8	22.0	19.0			
						250	36.3	20.0	17.0			
						300	35.1	18.5	15.5			
						500	31.8	14.0	11.0			
Reaction to fire Classification: Dca,s2,d2,a1					CPR Part No.: G2502-036							
Version	A/02	Date	2024-01-09	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua			

umber	Revise Contents	Revise Reasons	Revised By	Audited By	Approved By	Date
A/01	Specification Version 1		Caihanglie	Nidonghua	Nidonghua	2022-01-05
A/02	Specification Version 2		Caihanglie	Nidonghua	Nidonghua	2024-01-09