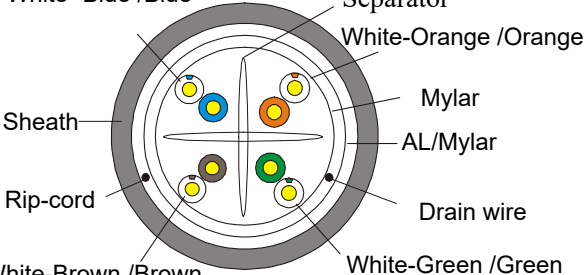


F/UTP 4Pairs cable-category6-LSZH Sheath

P/N: LG2402-016

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 CAT6-4P-LSZH												
Reference Standard		ISO/IEC11801 、ANSI/TIA-568.2-D												
Conductor		Material		SOLID-Bare Copper										
		Nom.O.D.(mm)		0.565	up	+0.005								
				down	-0.005									
Insulation		Material		HDPE										
		Diameter		1.12±0.08 mm										
Screening Material		Mylar+ AL/Mylar												
Sheath		Thickness		0.55±0.05mm		Technical Performance (100m) :								
		External O.D.		7.4±0.4mm		Frequency (MHz)	RL ≥dB	ATT (20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns				
		Surface		Clean, Frap, Satiation		1	20.0	—	74.3	570.00				
		Material		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				
Wooden Tray 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		Yes		Frequency (MHz)			PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
Sheath Physical Properties		Before Aging		Tensile Strength (Mpa)		≥10.0		1				72.3	67.8	64.8
				Elongation(%)		≥125		4				63.3	55.8	52.8
		Aging Period (℃×hrs)		100℃×24h×7d		8				58.8	49.7	46.7		
						10				57.3	47.8	44.8		
						16				54.2	43.7	40.7		
Electrical Characteristics (20℃)		After Aging		Tensile Strength(Mpa)		≥8.0		20				52.8	41.8	38.8
				Elongation(%)		≥100		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		
		1.0-250.0MHz		Impedance (Ω)		100±15		200				37.8	21.8	18.8
		1.0-250.0MHz		Delay Skew (ns/100m)		≤45		250				36.3	19.8	16.8
		Unbalanced-to-ground capacitance (pf/100m) max		330										
		DC Resistance (Ω/100m) max		9.38										
		DC Conductor Resistance Unbalance (%) max		5.0										
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