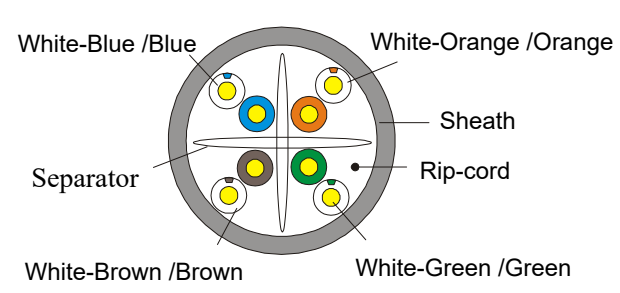


U/UTP 4Pairs cable-category6- LSZH Sheath

P/N: LG2401-169

Content of the Data Sheet									
Sheath Printing	TBD								
Customer No.		Customer Reference							
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)	0.530	up	+0.005					
			down	-0.005					
Insulation	Material	HDPE							
	Diameter	0.93±0.08mm							
Sheath	Thickness	0.55±0.05 mm			Technical Performance (100m):				
	External O.D.	5.8±0.4mm			Frequency (MHz)	RL ≥dB	ATT (20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
	Surface	Clean, Frap, Satiation			1	20.0	2.03	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
Core Color	1 White- Blue /Blue		2 White-Orange /Orange		25.0	24.3	9.51	53.3	541.20
	3 White-Green /Green		4 White- Brown /Brown		31.25	23.6	10.67	51.9	540.44
Packing	Wooden Tray & Carton				62.5	21.5	15.38	47.7	538.55
Carton dimension	According to the requires				100	20.1	19.80	44.3	537.60
Packing length	(305+1.5)m				200	18.0	28.98	39.8	536.54
Rip-cord	Yes	Drain wire	No		250	17.3	32.85	38.3	536.27
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℃)	Cold bend(-20±2℃×4h)		8×Cable O.D., No visible cracks		16	54.2	43.7	40.7	
	1.0-250.0MHz Impedance ((Ω)		100±15		20	52.8	41.8	38.8	
	1.0-250.0MHz Delay Skew (ns/100m)		≤45		25	51.3	39.8	36.8	
	DC Resistance (Ω/100m) max		9.38		31.25	49.9	37.9	34.9	
	DC Conductor Resistance Unbalance (%) max		5.0		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	
Reaction to fire Classification: Dca,s2,d2,a1					CPR Part no.:G2401-130				
Version	A/03	Date	2024-01-10	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	2018-11-01
A/02	Specification Version 2		Caihanglie	Nidonghua	Nidonghua	2023-12-14
A/03	Specification Version 3		Caihanglie	Nidonghua	Nidonghua	2024-01-10