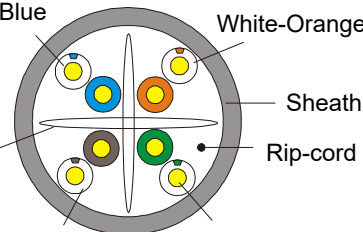


U/UTP 4Pairs cable-category6-FR LSZH Sheath

P/N: LG2401-158

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 (B2ca)								
Reference Standard	ISO/IEC11801、TIA-568-C.2								
Conductor	Material	SOLID-Bare Copper							
	Nom.O.D.(mm)	0.550	up	+0.005					
			down	-0.005					
Insulation	Material	HDPE							
	Diameter	0.97±0.08mm							
Filling	Plastic Separator : FRPE				Technical Performance:				
Sheath	Thickness	0.75±0.2 mm			Frequency (MHz)	RL ≥dB	ATT (20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
	External O.D.	6.5±0.4 mm			1	20.0	2.03	74.3	570.00
	Surface	Clean, Frap, Satiation			4.0	23.0	3.78	65.3	552.00
	Material	FR-LSZH(complies RoHS)			8.0	24.5	5.32	60.8	546.73
	Color	TBD			10.0	25.0	5.95	59.3	545.38
Surface Printing	Letter height	3.0±0.3mm			16.0	25.0	7.55	56.2	543.00
	Color	Black			20.0	25.0	8.47	54.8	542.05
	Print error & Space	≤±0.5%, 1m			25.0	24.3	9.51	53.3	541.20
					31.25	23.6	10.67	51.9	540.44
Core Color	1 White- Blue /Blue	2 White-Orange /Orange			62.5	21.5	15.38	47.7	538.55
	3 White-Green /Green	4 White- Brown /Brown			100	20.1	19.80	44.3	537.60
Packing	Drum				200	18.0	28.98	39.8	536.54
Carton dimension	According to the requires				250	17.3	32.85	38.3	536.27
Packing length	305±1.5m				Frequency PSNEXT ELFEXT PSELFEXT				
Rip-cord	Yes	Drain wire	No		(MHz)	≥dB	≥dB	≥dB	
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa) ≥9.0			1	72.3	67.8	64.8	
		Elongation (%) ≥100			4	63.3	55.8	52.8	
	Aging Period (℃×hrs)	100℃×24h×7d			8	58.8	49.7	46.7	
	After Aging	Tensile Strength (Mpa) ≥8.0			10	57.3	47.8	44.8	
		Elongation (%) ≥70			16	54.2	43.7	40.7	
Electrical Characteristics (20℃)	Cold bend (-20±2℃×4h) 15times cable O.D. No visible cracks				20	52.8	41.8	38.8	
	1.0-250.0MHz, Characteristic impedance (Ω) 100±15				25	51.3	39.8	36.8	
	1.0-250.0MHz, Delay Skew 20℃(ns/100m) ≤45				31.25	49.9	37.9	34.9	
	DC Resistance (Ω/100m) max 9.38				62.5	45.4	31.9	28.9	
	DC Conductor Resistance Unbalance (%) max 5.0				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: B2ca,s1a,d1,a1					CPR Part no. G2401-133				
Version	A/02	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	2018-08-31
A/02	Specification Version 2		Caihanglie	Nidonghua	Nidonghua	2024-01-10