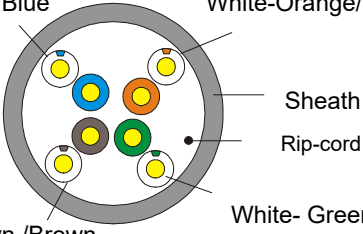


U/UTP 4Pairs cable-category5E-LSZH Sheath

P/N: LG2301-174

Content of the Data Sheet

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Sheath Printing		TBD								
Customer No.			Customer Reference				White-Blue /Blue White-Orange/Orange Sheath Rip-cord White- Brown /Brown White- Green /Green 			
Category		U/UTP CAT5E-4P- LSZH(Dca,s2,d2,a1)								
Reference Standard		ISO/IEC11801、TIA-568-C.2								
Conductor		Material		Solid-Bare Copper						
		Nom.O.D.(mm)		0.500	up	+0.005				
				down	-0.005					
Insulation		Material		HDPE						
		Diameter		0.87±0.05mm						
Sheath		Thickness		0.50±0.05 mm		Technical Performance(100m) :				
		External O.D.		5.0±0.4 mm		Frequency RL (MHz)	ATT ≤dB	NEXT ≥dB	Phase DELAY ≤ns	
		Surface		Clean, Frap, Satiation		1	20.0	2.0	65.3	570.00
		Material		FR-LSZH(complies RoHS)		4.0	23.0	4.1	56.3	552.00
		Color		TBD		8.0	24.5	5.8	51.8	546.73
Surface Printing		Letter height		3.0±0.3mm		10.0	25.0	6.5	50.3	545.38
		Color		Black		16.0	25.0	8.2	47.2	543.00
		Print error & Space		≤±0.5%, 1m		20.0	25.0	9.3	45.8	542.05
						25.0	24.3	10.4	44.3	541.20
Core Color		1 White- Blue /Blue		2 White-Orange /Orange		31.25	23.6	11.7	42.9	540.44
		3 White- Green /Green		4 White- Brown /Brown		62.5	21.5	17.0	38.4	538.55
Packing		Wooden Tray & Carton				100	20.1	22.0	35.3	537.60
Carton dimension		According to the requires				Frequency PSNEXT (MHz) ≥dB				
Packing length		(305±1.5)m				ELFEXT ≥dB				
Rip-cord		Yes	Drain wire		No	PSELFEXT ≥dB				
Sheath Physical Properties		Before Aging Tensile Strength (Mpa)		≥10.0		1	62.3	63.8		60.8
		Elongation(%)		≥125		4	53.3	51.8		48.8
		Aging Period(°C×hrs)		100°C×24h×7d		8	48.8	45.7		42.7
		After Aging Tensile Strength(Mpa)		≥8.0		10	47.3	43.8		40.8
		Elongation(%)		≥100		16	44.4	39.7		36.7
Electrical Characteristics (20°C)		Cold bend(-20±2°C×4h)		8×Cable O.D., No visible cracks		20	42.8	37.8		34.8
		1.0-100.0MHz Impedance(Ω)		100±15		25	41.3	35.8		32.8
		1.0-100.0MHz Delay Skew (ns/100m)		≤45		31.25	39.9	33.9		30.9
		DC Resistance (Ω/100m) max		9.38		62.5	35.4	27.9		24.9
		DC Conductor Resistance Unbalance(%) max		5.0		100	32.3	23.8		20.8
Reaction to fire Classification: Dca,s2,d2,a1										
Version	A/01	Date	2017-09-25	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