

U/UTP 4Pairs cable-category 6- LSZH Sheath

P/N: G2401-035

Content of the Data Sheet										
Sheath Printing		TBD								
Customer No.			Customer Reference			White-Blue /Blue White-Orange /Orange Sheath Seperator Rip-cord White-Brown /Brown White-Green /Green				
Category		U/UTP CAT6-4P-LSZH								
Reference Standard		ISO/IEC11801、TIA-568-C.2								
Conductor		Material		SOLID-Bare Copper						
		Nom.O.D.(mm)		0.565	up					
				down	-0.005					
Insulation		Material		HDPE						
		Diameter		0.99±0.08mm						
Sheath		Thickness		0.55±0.05 mm		Technical Performance (100m) :				
		External O.D.		6.2±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
						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						100	20.1	19.80	44.3	537.60
						200	18.0	28.98	39.8	536.54
Carton dimension		Wooden Tray & Carton				250	17.3	32.85	38.3	536.27
Packing length		According to the requires				Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
Rip-cord		Yes		Drain wire	No	1	72.3	67.8	64.8	
Sheath Physical Properties		Before Aging Tensile Strength (Mpa)		≥10.0		4	63.3	55.8	52.8	
		Elongation(%)		≥125		8	58.8	49.7	46.7	
		Aging Period (°C×hrs)		100°C×24h×7d		10	57.3	47.8	44.8	
						16	54.2	43.7	40.7	
		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	
Electrical Characteristics (20℃)		Cold bend(-20±2℃×4h)		8×Cable O.D., No visible cracks		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	
		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

