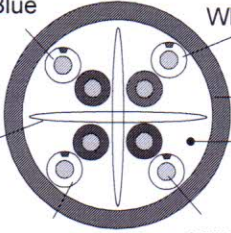


TECHNICAL DATA SHEET

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

P/N: G2401-134

Content of the Data Sheet									
Sheath Printing	TBD								
Customer No.		Customer Reference		White-Blue /Blue White-Orange /Orange Sheath Rip-cord Seperator 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 down						
Insulation	Material	HDPE							
	Diameter	0.98±0.05mm							
Filling	Plastic Separator : FRPE			Technical Performance:					
Sheath	Thickness	0.90±0.2 mm		Frequency (MHz)	RL ≥dB	ATT (20℃) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	
	External O.D.	6.6±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	
				16.0	25.0	7.55	56.2	543.00	
Surface Printing	Letter height	3.0±0.3mm		20.0	25.0	8.47	54.8	542.05	
	Color	Black		25.0	24.3	9.51	53.3	541.20	
	Print error & Space	≤±0.5%, 1m		31.25	23.6	10.67	51.9	540.44	
				62.5	21.5	15.38	47.7	538.55	
Core Color	1 White- Blue /Blue	2 White-Orange /Orange		100	20.1	19.80	44.3	537.60	
	3 White-Green /Green	4 White- Brown /Brown		200	18.0	28.98	39.8	536.54	
Packing	Drum			250	17.3	32.85	38.3	536.27	
Carton dimension	According to the requires			Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB		
Packing length	305±1.5m			1	72.3	67.8	64.8		
Rip-cord	Yes	Drain wire	No	4	63.3	55.8	52.8		
				8	58.8	49.7	46.7		
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥9.0	10	57.3	47.8	44.8		
		Elongation (%)	≥100	16	54.2	43.7	40.7		
	Aging Period (℃×hrs)	100℃×24h×7d		20	52.8	41.8	38.8		
	After Aging	Tensile Strength (Mpa)	≥8.0	25	51.3	39.8	36.8		
		Elongation (%)	≥70	31.25	49.9	37.9	34.9		
Electrical Characteristics (20℃)	Cold bend (-20±2℃×4h) 15times cable O.D. No visible cracks			62.5	45.4	31.9	28.9		
	1.0-250.0MHz, Characteristic impedance (Ω)			100	42.3	27.8	24.8		
	1.0-250.0MHz, Delay Skew 20℃(ns/100m)			200	37.8	21.8	18.8		
	DC Resistance (Ω/100m) max			250	36.3	19.8	16.8		
DC Conductor Resistance Unbalance (%) max			5.0						
Reaction to fire Classification: B2ca,s1a,d1,a1									
Version	A/02	Date	2018-05-03	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua