

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

P/N: G2401-235

Content of the Data Sheet									
Sheath Printing	TBD								
Customer No.		Customer Reference							
Category	U/UTP CAT6-4P-LSZH (Cca)								
Reference Standard	ISO/IEC11801.TIA-568 .2-D								
Conductor	Material	SOLID-Bare Copper							
	Nom.O.D.(mm)	0.530	up	+0.005	down	-0.005			
Insulation	Material	HDPE							
	Diameter	0.95±0.05mm							
Filling	Plastic Separator : FRPE								
Sheath	Thickness	0.65±0.1 mm							
	External O.D.	5.8±0.4 mm							
	Surface	Clean,Frap,Satiation							
	Material	FR-LSZH(complies RoHS)							
	Color	TBD							
Surface Printing	Letter height	3.0±0.3mm							
	Color	Black							
	Print error & Space	≤±0.5%, 1m							
Core Color	1 White- Blue /Blue	2 White-Orange /Orange							
	3 White-Green /Green	4 White- Brown /Brown							
Packing	Drum								
Carton dimension	According to the requires								
Packing length	305±1.5m								
Rip-cord	Yes	Drain wire	No						
	Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥9.0					
		Elongation (%)	≥100						
Aging Period (°C × hrs)		100°C × 24h × 7d							
After Aging		Tensile Strength (Mpa)	≥8.0						
		Elongation (%)	≥70						
	Cold bend (-20±2°C × 4h) 15times cable O.D. No visible cracks								
Electrical Characteristics (20°C)	1.0-250.0MHz, Characteristic impedance (Ω)	100 ± 15							
	1.0-250.0MHz, Delay Skew 20°C (ns/100m)	≤45							
	DC Resistance (Ω/100m) max	9.38							
	DC Conductor Resistance Unbalance (%) max	5.0							
Reaction to fire Classification: Cca,s1a,d1,a1					CPR Part no. G2401-191				
Version	A/01	Date	2019-11-11	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua

Technical Performance:				
Frequency (MHz)	RL ≥dB	ATT (20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns
1	20.0	2.03	74.3	570.00
4.0	23.0	3.78	65.3	552.00
8.0	24.5	5.32	60.8	546.73
10.0	25.0	5.95	59.3	545.38
16.0	25.0	7.55	56.2	543.00
20.0	25.0	8.47	54.8	542.05
25.0	24.3	9.51	53.3	541.20
31.25	23.6	10.67	51.9	540.44
62.5	21.5	15.38	47.7	538.55
100	20.1	19.80	44.3	537.60
200	18.0	28.98	39.8	536.54
250	17.3	32.85	38.3	536.27

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	72.3	67.8	64.8
4	63.3	55.8	52.8
8	58.8	49.7	46.7
10	57.3	47.8	44.8
16	54.2	43.7	40.7
20	52.8	41.8	38.8
25	51.3	39.8	36.8
31.25	49.9	37.9	34.9
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

