

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

Content of the Data Sheet				
Customer No.		Customer Reference		
Category	U/UTP CAT6A-4P- LSZH(Dca,s2,d2,a1)			
Reference Standard	ISO/IEC11801、TIA-568-C.2			
Conductor	Material	Solid-Bare Copper		
	Nom.O.D.(mm)	0.565	up	+0.005
			down	-0.005
Insulation	Material	HDPE		
	Diameter	1.02±0.08mm		
Sheath	Thickness	0.70±0.05 mm (Avg.)		
	External O.D.	7.1±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	Wooden Tray & Carton			
Carton dimension	According to the requires			
Packing length	305±1.5m			
Rip-cord	Yes	Drain wire	No	
	Before Aging Tensile Strength (Mpa) ≥10.0		Elongation(%) ≥125	
Sheath Physical Properties	Aging Period (°C×hrs)		100°C×24h×7d	
	After Aging Tensile Strength(Mpa) ≥8.0		Elongation(%) ≥100	
	Cold bend(-20±2°C×4h) 8×Cable O.D., No visible cracks			
	Impedance(Ω)		1.0-250.0MHz 100±15	
			250.0-500.0MHz 100±22	
Electrical Characteristics (20°C)	1.0-500.0MHz Delay Skew (ns/100m) ≤45			
	DC Resistance (Ω/100m) max		9.38	
	DC Conductor Resistance Unbalance (%) max		5.0	
	Technical Performance (100m):			
	Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB
1	20.0	2.1	74.3	570.0
4.0	23.0	3.8	65.3	552.0
8.0	24.5	5.3	60.8	546.7
10.0	25.0	5.9	59.3	545.4
16.0	25.0	7.5	56.2	543.0
20.0	25.0	8.4	54.8	542.1
25.0	24.3	9.4	53.3	541.2
31.25	23.6	10.5	51.9	540.4
62.5	21.5	15.0	47.4	538.6
100	20.1	19.1	44.3	537.6
200	18.0	27.6	39.8	536.5
250	17.3	31.1	38.3	536.3
300	16.8	34.3	37.1	536.1
500	15.2	45.3	33.8	535.6
	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
	300	35.1	18.3	15.3
	500	31.8	13.8	10.8
Reaction to fire Classification: Dca,s2,d2,a1			CPR Part no. G2501-023	

