



Sheath Printing	TBD									
Category	U/UTP CAT6A-4P- LSZH									
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±0.05mm								
Sheath	Thickness	0.70±0.05 mm (Avg.)			Technical Performance (100m):					
	External O.D.	7.1±0.4 mm			Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	
	Surface	Clean,Frap,Satiation			1	20.0	2.1	74.3	570.0	
	Material	LSZH(complies RoHS)			4.0	23.0	3.8	65.3	552.0	
	Color	TBD			8.0	24.5	5.3	60.8	546.7	
Surface Printing	Letter height	3.0±0.3mm			10.0	25.0	5.9	59.3	545.4	
	Color	Black			16.0	25.0	7.5	56.2	543.0	
	Print error & Space	≤±0.5%, 1m			20.0	25.0	8.4	54.8	542.1	
	Core Color	1 White- Blue /Blue	2 White-Orange /Orange		25.0	24.3	9.4	53.3	541.2	
		3 White-Green /Green	4 White- Brown /Brown		31.25	23.6	10.5	51.9	540.4	
Packing	Wooden Tray & Carton			62.5	21.5	15.0	47.4	538.6		
Carton dimension	According to the requires			100	20.1	19.1	44.3	537.6		
Packing length	305±1.5m			200	18.0	27.6	39.8	536.5		
Rip-cord	Yes	Drain wire	No	250	17.3	31.1	38.3	536.3		
				300	16.8	34.3	37.1	536.1		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0		500	15.2	45.3	33.8	535.6		
	Elongation(%)	≥125		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB			
	Aging Period (°C×hrs)	100°C×24h×7d		1	72.3	67.8	64.8			
	After Aging Tensile Strength(Mpa)	≥8.0		4	63.3	55.8	52.8			
	Elongation(%)	≥100		8	58.8	49.7	46.7			
Electrical Characteristics (20°C)	Cold bend(-20±2°C×4h) 8×Cable O.D., No visible cracks			10	57.3	47.8	44.8			
	Impedance(Ω) 1.0-250.0MHz	100±15		16	54.2	43.7	40.7			
	250.0-500.0MHz	100±22		20	52.8	41.8	38.8			
	1.0-500.0MHz Delay Skew (ns/100m)	≤45		25	51.3	39.8	36.8			
	DC Resistance (Ω/100m) max	9.38		31.25	49.9	37.9	34.9			
DC Conductor Resistance Unbalance (%) max	5.0		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			



Part No	Description
108-91011	CAT6A UTP CABLE-LSZH SHEATH