



Content of the Data Sheet						
Sheath Printing	TBD					
Customer No.		Customer Reference				
Category	U/FTP- CAT6A-4P-LSZH					
Reference Standard	ISO/IEC11801, TIA-568-C.2					
Conductor	Material	Solid-Bare Copper				
	Nom.O.D. (mm)	0.560	up	+0.005		
			down	-0.005		
Insulation	Material	Skin-foam-skin PE				
	Diameter	1.330±0.05 mm				
Screening Material	Al/Mylar	Drain wire	TC 0.45 mm			
Sheath	Thickness	0.55±0.05 mm				
	External O.D.	7.3±0.5 mm				
	Surface	Clean				
	Material	LSZH (complies RoHS)				
	Color	TBD				
Surface Printing	Letter height	3.0±0.3 mm				
	Color	Black				
	Print error & Space	≤±0.5%, 1 m				
Core Color	1. White/Blue	2. White/Orange				
	3. White/Green	4. White/Brown				
Packing	Drum					
Packing length	100 or 500 m					
Rip-cord	Yes					
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0				
	Elongation (%)	≥125				
	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				
Electrical Characteristics (20°C)	Impedance (Ω)	1.0-250.0MHz	100 ± 15			
		250.0-500.0MHz	100 ± 22			
	1.0-500.0MHz Delay Skew (ns/100m)	≤45				
	unbalanced-to-ground capacitance (pf/100m) max	330				
	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	PHASE DELAY ≤ns	
	1	20.0	—	74.3	570	
	4.0	23.0	3.8	65.3	552	
8.0	24.5	5.3	60.8	547		
10.0	25.0	5.9	59.3	545		
16.0	25.0	7.5	56.2	543		
20.0	25.0	8.4	54.8	542		
25.0	24.3	9.4	53.3	541		
31.25	23.6	10.5	51.9	540		
62.5	21.5	15.0	47.4	539		
100	20.1	19.1	44.3	538		
200	18.0	27.6	39.8	537		
250	17.3	31.1	38.3	536		
300	16.8	34.3	37.1	536		
400	15.9	40.1	35.3	536		
500	15.2	45.3	33.8	536		
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			
400	33.3	15.8	12.8			
500	31.8	13.8	10.8			

