

U/UTP cable - category 6- 4 Pair Unshielded –PE Sheath

P/N: LVN122151

Content of the Data Sheet					
Sheath Printing	TBD				
Customer No.		Customer Reference			
Category	U/UTP CAT6-4P-PE				
Reference Standard	ISO/IEC11801、TIA-568-C.2				
Conductor	Material	SOLID-Bare Copper			
	Nom. O.D. (mm)	0.530	Up	+0.005	
			Down	-0.005	
Insulation	Material	HDPE			
	Diameter	0.93±0.05mm			
Color	A.Blue, White-Blue	B.Orange,White-Orange			
	C.Green,White-Green	D.Brown, White-Brown			
Shield	PET Tape				
5. Sheath	Thickness	0.55±0.05 mm			
	External O.D.	6.0±0.5 mm			
	Surface	Clean,Frap,Satiation			
	Material	LDPE(complies RoHS)			
	Color	Black			
Surface Printing	Letter height	3.0±0.3mm			
	Color	White			
	Print error & Space	≤±0.5%, 1m			
Packing	Wooden Tray & Carton				
Carton dimension	According to the requires				
Packing length	305±1.5m				
Out Jacket Physical Properties	Before Aging	Tensile Strength (Mpa)	≥10.0		
		Elongation (%)	≥350		
	Aging Period (°C × hrs)	100°C × 24h × 10d			
	After Aging	Elongation (%)	≥300		
	Cold bend (-20±2°C × 4h)	No visible cracks			
Electrical Characteristics (20°C)	1.0-250.0MHz	Impedance ((Ω)	100±15		
	1.0-250.0MHz	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(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		