



Content of the Data Sheet

Sheath Printing	TBD									
Customer No.		Customer Reference								
Category	U/UTP CAT6-4P-PVC									
Reference Standard	ISO/IEC11801, TIA-568-C.2									
Conductor	Material	Solid-Bare Copper								
	Nom.O.D. (mm)	0.550	up	+0.005						
			down	-0.005						
Insulation	Material	HDPE								
	Diameter	0.98±0.05 mm								
Sheath	Thickness	0.55±0.05 mm								Technical Performance (100m):
	External O.D.	6.1±0.4 mm			Frequency (MHz)	RL ≥dB	ATT (20°C) ≤dB	NEXT ≥dB	PHASE DELAY ≤ns	
	Surface	Clean, Frap, Satiation			1	20.0	2.03	74.3	570.00	
	Material	PVC (complies RoHS)			4.0	23.0	3.78	65.3	552.00	
	Color	TBD			8.0	24.5	5.32	60.8	546.73	
Surface Printing	Letter height	3.0±0.3 mm			10.0	25.0	5.95	59.3	545.38	
	Color	Black			16.0	25.0	7.55	56.2	543.00	
	Print error & Space	≤±0.5%, 1 m			20.0	25.0	8.47	54.8	542.05	
					25.0	24.3	9.51	53.3	541.20	
Core Color	1. White- Blue /Blue	2. White-Orange /Orange			31.25	23.6	10.67	51.9	540.44	
	3. White-Green /Green	4. White- Brown /Brown			62.5	21.5	15.38	47.7	538.55	
Packing	Wooden Tray & Carton				100	20.1	19.80	44.3	537.60	
Carton dimension	According to the requires				200	18.0	28.98	39.8	536.54	
Packing length	(305+1.5) m				250	17.3	32.85	38.3	536.27	
Rip-cord	Yes	Drain wire	No		Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB		
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)		≥13.5		1	72.3	67.8	64.8		
	Elongation (%)		≥150		4	63.3	55.8	52.8		
	Aging Period (°C×hrs.)		100°C×24h×7d			8	58.8	49.7	46.7	
	After Aging Tensile Strength (Mpa)		≥12.5		10	57.3	47.8	44.8		
	Elongation (%)		≥125		16	54.2	43.7	40.7		
Electrical Characteristics (20°C)	Cold bend (-20±2°C×4h) 8×Cable O.D., No visible cracks					20	52.8	41.8	38.8	
	1.0-250.0MHz Impedance (Ω)		100±15		25	51.3	39.8	36.8		
	1.0-250.0MHz Delay Skew (ns/100m)		≤45		31.25	49.9	37.9	34.9		
	DC Resistance (Ω/100m) max		9.38		62.5	45.4	31.9	28.9		
	DC Conductor Resistance Unbalance (%) max		5.0		100	42.3	27.8	24.8		
					200	37.8	21.8	18.8		
					250	36.3	19.8	16.8		