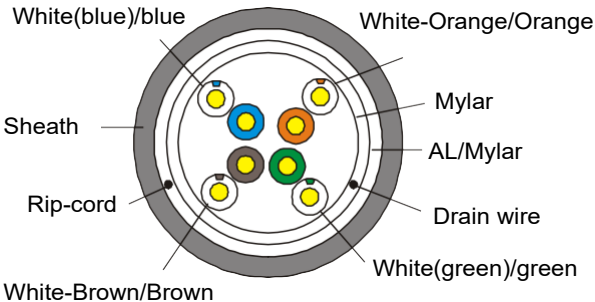




Content of the Data Sheet					
Sheath Printing	TBD				
Customer No.		Customer Reference			
Category	F/UTP CAT5E-4P-PVC				
Reference Standard	ISO/IEC11801, TIA-568-C.2				
Conductor	Material	Solid-Bare Copper			
	Nom.O.D. (mm)	0.500	up	+0.005	
			down	-0.005	
Insulation	Material	HDPE			
	Diameter	1.00±0.05 mm			
Screening Material	Mylar + AL/Mylar				
Sheath	Thickness	0.55±0.05 mm			
	External O.D.	6.2±0.4 mm			
	Surface	Clean, Frap, Satiation			
	Material	PVC (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 /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±1.5 m				
Rip-cord	Yes	Drain wire	Yes		
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5		
		Elongation (%)	≥150		
	Aging Period (°C × hrs.)	100°C × 24h × 7d			
	After Aging	Tensile Strength (Mpa)	≥12.5		
		Elongation (%)	≥125		
	Cold bend (-20±2°C × 4h) 8×Cable O.D., No visible cracks				
Electrical Characteristics (20°C)	1.0-100.0MHz	Impedance (Ω)	100±15		
	1.0-100.0MHz	Delay Skew (ns/100m)	≤45		
	unbalanced-to-ground capacitance (pf/100m) max		330		
	DC Resistance (Ω/100m) max		9.5		
	DC Conductor Resistance Unbalance (%) max		5.0		



Technical Performance (100m):					
Frequency (MHz)	RL	ATT (20°C)	NEXT	PHASE DELAY	
	≥dB	≤dB	≥dB	≤ns	
1	20.0	—	65.3	570.00	
4	23.0	4.1	56.3	552.00	
8	24.5	5.8	51.8	546.73	
10	25.0	6.5	50.3	545.38	
16	25.0	8.2	47.2	543.00	
20	25.0	9.3	45.8	542.05	
25	24.3	10.4	44.3	541.20	
31.25	23.6	11.7	42.9	540.44	
62.5	21.5	17.0	38.4	538.55	
100	20.1	22.0	35.3	537.60	

Frequency (MHz)	PSNEXT	ELFEXT	PSELFEXT
	≥dB	≥dB	≥dB
1	62.3	63.8	60.8
4	53.3	51.8	48.8
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.4	39.7	36.7
20	42.8	37.8	34.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.9	24.9
100	32.3	23.8	20.8