

UTP CAT 6 4 PAIR 550 MHz

1) Physical Dimensions

Center Conductor: 0.565 \pm 0.01mm
 Insulation:..... 1.05 \pm 0.02mm
 PE Pair:..... 4
 SeparatorYES
 Jacket:..... 6.40 \pm 0.05mm
 PVC Ripcord:..... YES

2) Mechanical Characteristics

Operating Temperature Range:..... 20°C To +75°C
 Installation Temperature Range:..... 0°C To +60°C
 Max. Recommended Pulling Tension:..... 45 lbs
 Min. Bend Radius (Install):..... 0.25 in

3) Electrical Characteristics

Capacitance: 15.5 pF/ft
 Velocity of Propagation:67%
 Conductor DCR: 9.380 Ω /100m
 Impedance:..... ..1.0 - 100Mhz /100 Ω \pm 15%
 100 - 200Mhz /100
 Ω \pm 22%
 200-300Mhz /100
 Ω \pm 32%



4) Electrical Performance [@68°F. (20°C) (dB/100m)]

Frequency (MHz)	Impedance ohm	Return Loss \geq dB	Attenuation \geq dB	NEXT \geq dB	ELFEXT \geq dB	PS-NEXT \geq dB	PS-ELFEXT \geq dB	Delay Skew NS	Prog. Speed \geq m/s
1	100 \pm 15	20	1.9	74.3	67.8	72.3	64.8	\leq 45	0.6C
4		23	3.7	65.3	55.8	63.3	57.7		
10		25	5.9	59.3	47.8	57.3	44.8		
16		25	7.5	56.3	43.7	54.3	40.7		
20		25	8.4	54.8	41.8	52.8	38.7		
31.25		23.6	10.6	51.9	37.9	49.9	34.9		
62.5		21.5	15.4	47.4	31.9	45.4	28.8		
100		20.1	19.8	44.3	27.8	42.3	24.8		