

UTP CAT 5E 4 PAIRS

1) Physical Dimensions

Center Conductor: 0.50±0.01mm BC
 Insulation:..... 0.89±0.02mm PE
 Pair:..... 4
 Jacket:..... 5.08±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:..... 25 lbs
 Min. Bend Radius (Install):..... 0.8 in

3) Electrical Characteristics

Capacitance: 14 pF/ft
 Velocity of Prop:..... PE =71%
 Conductor DCR:..... 9.0 Ω /100m
 Impedance:..... 1.0 – 100Mhz /100 Ω ± 15%
 100 – 155Mhz /100 Ω ± 18%



4) Electrical Performance [@68°F. (20°C)]

Frequency (MHz)	SRL dB / 100m	Return Loss dB	Attenuation dB / 100m	NEXT dB	PS-NEXT dB
1	23.0	20.0	2.0	70.3	68.3
4	23.0	23.0	4.1	61.2	59.2
10	23.0	25.0	6.4	55.2	53.3
16	23.0	25.0	8.1	52.2	50.2
20	23.0	25.0	9.1	50.7	48.7
31.25	21.1	23.6	11.4	47.8	45.8
62.5	18.1	21.5	16.4	43.3	41.3
100	16.0	20.1	21.0	40.3	38.3
155	14.1	18.8	26.8	37.4	35.4

5) Approval:



NEC/(UL) Specification: CM CEC/C(UL) Specification: CM EU
 CE Mark: YES EU RoHS Compliance: YES TIA/EIA
 Specification: ANSI/TIA/EIA-568-B.2, Category 5e