

## CAT 5E UTP CABLE

### Product Description

Application	Horizontal Wiring in Lan
Reference Standard	EIA/TIA 568&ISO/IEC 11801
Multi-construction	8

### Cable Construction

Conductor	Solid Bare Copper
AWG	24
Conductor Dia.	0.516
Insulation	Solid PE
Average Thickness	0.217
Insulation Dia. (mm)	0.95
Jacket	PVC
Thickness (mm)	1.1
Dia. (mm)	5.20

### Colour Coding

Blue, White/Blue  
Orange, White/Blue  
Green, White/Green  
Brown, White/Brown

### Performance

Frequency (MHz)	RL (dB) Min	Attenuation (dB/100m) Max.	Next Worst Pair Min (dB)	Next Power Pair Min (dB)
0.722	22.60	1.82	67.00	64.00
1.000	23.10	2.00	65.30	62.30
4.000	23.00	4.10	56.30	53.30
8.000	24.50	5.80	51.80	48.80
10.00	25.00	6.50	50.30	47.30
16.00	25.00	8.20	47.30	44.30
20.00	25.00	9.30	45.80	42.80
25.00	24.20	10.23	44.30	41.30
31.25	23.30	11.71	42.90	39.90
62.50	20.70	17.25	38.40	35.40
100.00	19.24	22.00	35.30	32.30

Frequency MHz)	ELFEXT Worst Pair Min (dB)	ELFEXT Power Pair Min (dB)	Impedance $\Omega$ (Ohm)
0.722	66.00	63.00	
1.000	63.8	60.8	
4.000	51.7	48.7	
8.000	45.7	42.7	
10.00	43.8	40.8	
16.00	39.7	36.7	100 +/- 15
20.00	37.7	34.7	
25.00	35.8	32.8	
31.25	33.9	30.9	
62.50	27.8	24.8	
100.00	23.8	20.8	

### Characteristics

Max. Conductor DC Resistance at 20°C ( $\Omega$ /km)	93.8
Rated Temperature (°C)	60
Velocity Ratio	65%

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