

## UTP CAT5E

### Basic Construction

	Material	Diameter (mm)
Conductor	BC	0.50
Insulation	PE	0.90
Jacket	PVC	5.20

### BASIC CHARACTERISTICS

Temperature Rating	-20°C to 60°C				
Dielectric Breakdown	2500V				
DC Resistance/Unbalance	28.6Ω/1000'Max/5% Max				
Characteristics Impedance	100Ω				
Other Electric Performance	Frequency (MHz)	Attenuation (dB/100m)	Return Loss (dB/100m)	Pair to Pair	
				Next (dB/100m)	ELFEXT (dB/100m)
	0.77	1.80	NA	70.00	69.00
	1	2.00	20.00	68.30	66.80
	4	4.00	23.00	59.30	54.70
	8	5.80	24.50	54.80	48.70
	10	6.50	25.00	53.30	46.80
	16	8.20	25.00	50.30	42.90
	20	9.20	25.00	48.80	40.70
	25	10.40	24.30	47.30	38.80
	31.25	11.70	23.60	45.90	36.90
	62.5	17.00	21.50	41.40	30.80
	100	22.00	20.10	38.30	26.80
	155	28.10	18.80	35.50	22.90
	200	32.40	18.00	33.80	20.70
300	41.00	16.80	32.30	17.20	
350	44.9	16.30	30.20	15.90	