

2RG6/QUAD+2CAT5E**RG6 Basic Construction**

	Material	Diameter (mm)
Inner Conductor	BC /CCS	1.02
Dielectric	Foam PE	4.57
Out Conductor	(AL Foil+ AL Braiding) *2	60%/40%
Jacket	PVC/PE	7.62

Cat5e Basic Construction

	Material	Diameter (mm)
Conductor	BC	24AWG
Insulation	PE	0.90
Jacket	PVC	5.20

Electrical Characteristics

Impedance (Ω)	75
Nominal Capacitance (pF/m)	50
Velocity of Propagation(%)	85
Sparker Test	4000
SRL(dB)	20

Attenuation (@20°C)

Frequency (MHZ)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
5	0.58	1.90
55	1.60	5.25
300	3.55	11.64
600	5.10	16.73
1000	6.55	21.49
1800	8.46	27.73
2250	10.00	34.03
3000	11.40	37.50

CAT5E BASIC CHARACTERISTIC

Temperature Rating	-20°C to 60°C				
Dielectric Breakdown	2500V				
DC Resistance/Unbalance	28.6Ω/1000' Max/5% Max				
Characteristics Impedance	100±15Ω				
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
	8	5.80	24.50	54.80	48.70
	16	8.20	25.00	50.30	42.90
	25	10.40	24.30	47.30	38.80
	100	22.00	20.10	38.30	26.80
	200	32.40	18.00	33.80	20.70
300	41.00	16.80	32.30	17.20	
350	44.90	16.30	30.20	15.90	