

## RG58C/U, 50 Ohm COAXIAL CABLE

### 1. CONSTRUCTION

CENTER CONDUCTOR:	19 x 0.18mm STRANDED TINNED COPPER NOMINAL DIAMETER OVER STRAND: 0.90mm (0.035")
DIELECTRIC:	SOLID POLYETHYLENE (SOLID PE) NOMINAL DIAMETER OVER DIELECTRIC: 2.95mm (0.116")
SHIELD:	95% TINNED COPPER WIRE BRAID NOMINAL DIAMETER OVER BRAID: 3.43mm (0.135")
JACKET:	PVC JACKET NOMINAL DIAMETER OVER JACKET: 4.95mm (0.195") NOMINAL JACKET THICKNESS: 0.76mm (0.030")



### 2. ATTENUATION

Attenuation Frequency (MHz)	[ @68° F. (20° C.) ]	
	Maximum (dB/100 ft.)	Maximum (dB/100 m)
1	0.40	1.31
10	1.35	4.43
50	3.08	10.10
100	4.40	14.43
200	6.45	21.15
400	9.33	30.60
700	13.04	42.75
900	15.36	50.36
1000	16.40	53.77

### 3. ELECTRICAL CHARACTERISTICS

IMPEDANCE:	50 ± 2 Ω
VELOCITY OF PROPAGATION:	66%
CAPACITANCE:	97 ± 3 pF/M
DCR OF INNER CONDUCTOR:	39 Ω/KM
DCR OF OUTER CONDUCTOR:	15 Ω/KM