Coaxial Cable MIL-C-17F

RG58 C/U

Construction

	Material	Diameter (inch/mm)	
Inner Conductor	Tinned Copper	**19/0.0071**	**19/0.18**
Dielectric	Solid PE	**0.116**	**2.95**
Shield	95% Tinned Copper Braid	0.140	3.55
Jacket	PVC	**0.195**	**4.95**

Electrical Characteristics

Capacitance (pF/m)	101.0
Impedance (Ω)	50.0
Velocity of Propagation (%)	66.0
Conductor DCR (Ohm/km)	35.4
Outer Shield DCR (Ohm/km)	13.5
Max Operating Frequency (MHz)	1000.0
Max Operating Voltage (RMS)	1900.0
Operating Temp Range (℃)	-40 to 85

Attenuation (20 ℃)

Frequency(MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
10	1.5	4.9
50	3.3	10.9
100	4.7	15.5
200	7.5	24.5
400	10.6	34.8
600	12.1	39.6
860	17.2	56.4
1000	18.4	60.5