

# RG142 Coax Cable

## Construction Parameters

Inner Conductor	1/0.94±0.01mm Silver Plated Copper Clad Steel
Dielectric	2.95±0.05mm PTFE (White)
Shield 1	16×7×0.12mm Silver Plated Copper Density of braiding: 95% ± 3%
Shield 2	16×7×0.12mm Silver Plated Copper Density of braiding: 93% ± 3%
Jacket	4.95±0.10mm FEP (Natural Brown)
Standard	MIL-C-17

## Electrical Characteristics

Capacitance	100±5 pF/m
Impedance	50 ±2 Ω
Velocity of Propagation	70%
Max Operating Voltage	1400 VMS
Max Operating Frequency	12400 MHz

## Mechanical and Environmental Properties

Cable bend radius	25 mm
Operating Temp Range	-55 °C to 200 °C

## Attenuation (20°C)

Frequency (MHZ)	Max Attenuation (dB/100m)
100	12.50
400	25.60
1000	42.00
3000	78.10
5000	105.00
8000	189.80
12400	280.20

