



Technical Specification of Coaxial Cable (RG316)

1. Product Category

Coaxial Cable

2. Construction Parameters

Component	Specification
Inner Conductor	7/0.17±0.01mm Silver Plated Copper Clad Steel
Dielectric	1.52±0.05mm PTFE (White)
Shield 1	16×5×0.10mm Silver Plated Copper; Braiding Density: 95%
Jacket	2.50±0.10mm FEP (Natural Brown)
Standard	MIL-C-17

3. Electrical Characteristics

Parameter	Specification
Capacitance	100±5 pF/m
Impedance	50±2 Ω
Velocity of Propagation	70%
Max Operating Voltage	1200 VMS
Max Operating Frequency	3000 MHz

4. Mechanical and Environmental Properties



Parameter	Specification
Cable Bend Radius	13 mm
Operating Temperature Range	-55 °C to 200 °C
Installation Temperature Range	-5 °C to 20 °C

5. Attenuation (20°C)

Frequency (MHz)	Max Attenuation (dB/100m)
100	26.20
400	53.10
1000	85.6
3000	153.20