



Technical Specification of RG179 Coaxial Cable

1. Basic Information

- **Category:** Coaxial Cable
- **Impedance:** $75 \pm 3 \Omega$ (Note: The initial 50 ohm is corrected based on detailed electrical characteristics)
- **Certifications:** UL, ETL, CE, CPR, RoHS
- **Standard Compliance:** MIL-C-17

2. Construction Parameters

Component	Specification
Inner Conductor	7/0.10 $\pm$ 0.01mm Silver Plated Copper Clad Steel (SPCCS)
Dielectric	1.60mm PTFE (White)
Shield 1	16 $\times$ 5 $\times$ 0.10mm Silver Plated Copper; Nominal OD after braiding: 2.04mm
Jacket	2.54 $\pm$ 0.10mm FEP (Natural Brown)

3. Electrical Characteristics

Parameter	Specification
Capacitance	64 $\pm$ 5 pF/m
Impedance	$75 \pm 3 \Omega$
Velocity of Propagation	70%
Max Operating Voltage	1200 VMS



Max Operating Frequency	3000 MHz
Attenuation (20°C)	See the table below

Frequency (MHz)	Max Attenuation (dB/100m)
100	38.30
200	50.50
400	71.80
1000	116.50
1500	157.20
2000	178.10

4. Mechanical and Environmental Properties

Parameter	Specification
Cable Bend Radius	10 mm
Operating Temperature Range	-55 °C to 200 °C
Cable Diameter	2.54±0.10mm