



Technical Specification of Coaxial Cable

1. Model Identification

Corresponding to the product previously referenced as RG304

2. Construction Parameters

- **Inner Conductor:** $1/1.50 \pm 0.01$ mm Silver Plated Copper Clad Steel
- **Dielectric:** 4.70 ± 0.05 mm PTFE (White)
- **Shield 1:** $24 \times 5 \times 0.15$ mm Silver Plated Copper, Braiding Density: $95\% \pm 3\%$
- **Shield 2:** $24 \times 6 \times 0.15$ mm Silver Plated Copper, Braiding Density: $95\% \pm 3\%$
- **Jacket:** 7.11 ± 0.10 mm FEP (Natural Brown)
- **Standard Compliance:** MIL-C-17

3. Electrical Characteristics

- **Capacitance:** 96 ± 5 pF/m
- **Impedance:** $50 \pm 2 \Omega$
- **Velocity of Propagation:** 70%
- **Maximum Operating Voltage:** 3000 VMS
- **Maximum Operating Frequency:** 12000 MHz

4. Mechanical and Environmental Properties

- **Cable Bend Radius:** 36 mm
- **Operating Temperature Range:** -55°C to 200°C
- **Installation Temperature Range:** -5°C to 20°C

5. Attenuation (at 20°C)

Frequency (MHz)	Maximum Attenuation (dB/100m)
100	8.20



400	17.40
1000	28.90
3000	55.10
5000	77.50
8000	114.80

6. General Specifications

- **Certifications:** UL, ETL, CE, CPR, RoHS
- **Available Lengths:** 100m, 305m, 500m, 1000m, 500ft, 1000ft (customizable)
- **Packaging Options:** Roll, wooden spool, carton, pallet (customizable)
- **Minimum Order Quantity:** 10KM