



RG223 Coaxial Cable Technical Specification

1. Basic Information

- **Model:** NO.7101216 RG223
- **Category:** Coaxial Cable
- **Impedance:** $50 \pm 2 \Omega$
- **Certificates:** UL, ETL, CE, CPR, RoHS
- **Standard:** MIL-C-17
- **Length Options:** 100m, 305m, 500m, 1000m, 500ft, 1000ft (or customizable per customer's request)
- **Packing:** Roll, wooden spool, carton, pallet (or customizable per customer's request)

2. Construction Parameters

Component	Specification
Inner Conductor	1/0.90 $\pm$ 0.01 mm Silver Plated Copper (SPC)
Dielectric	2.95 $\pm$ 0.05 mm Solid Polyethylene (SPE)
Shield 1	16 $\times$ 7 $\times$ 0.12 mm Silver Plated Copper (SPC); Braiding Density: 95% $\pm$ 3%
Shield 2	16 $\times$ 7 $\times$ 0.12 mm Silver Plated Copper (SPC); Braiding Density: 94.2% $\pm$ 3%
Jacket	5.30 $\pm$ 0.10 mm Black PVC

3. Electrical Characteristics

- **Capacitance:** 101 $\pm$ 5 pF/m
- **Velocity of Propagation:** 66%
- **Max Operating Voltage:** 1900 VMS
- **Max Operating Frequency:** 12400 MHz



- **Attenuation (at 20°C):**

Frequency (MHz)	Max Attenuation (dB/100m)
100	13.10
400	26.90
1000	44.00
3000	81.40
5000	109.90
11000	177.50

4. Mechanical and Environmental Properties

- **Cable Bend Radius:** 25 mm
- **Operating Temperature Range:** -40 °C to 80 °C
- **Installation Temperature Range:** -5 °C to 20 °C