



Technical Specification of RG174 CCS Coaxial Cable

Basic Information

- **Model:** 7×0.17mm CCS + 1.52mm SPE + 64×0.10mm TC + 2.79mm PVC
- **Category:** Coaxial Cable
- **Certifications:** UL, ETL, CE, CPR, RoHS
- **Standard Compliance:** MIL-C-17

Construction Parameters

Component	Specification
Inner Conductor	7/0.16 ± 0.01 mm Copper Clad Steel (CCS)
Dielectric	1.52 ± 0.05 mm Solid Polyethylene (SPE)
Shield 1	16 × 4 × 0.10 mm Tinned Copper (TC); Braiding Density: 85.6% ± 3%
Jacket	2.79 ± 0.10 mm Black PVC

Electrical Characteristics

- **Capacitance:** 101 ± 5 pF/m
- **Impedance:** 50 ± 2 Ω
- **Velocity of Propagation:** 66%
- **Maximum Operating Voltage:** 1500 VMS
- **Maximum Operating Frequency:** 1000 MHz
- **Attenuation (at 20°C):**

Frequency (MHz)	Maximum Attenuation (dB/100m)
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100	27.60
400	55.80
1000	89.90

Mechanical and Environmental Properties

- **Minimum Cable Bend Radius:** 10 mm
- **Operating Temperature Range:** -40 °C to 80 °C
- **Installation Temperature Range:** -5 °C to 20 °C