



Technical Specification for Coaxial Cable

General Information

- **Category:** Coaxial Cable
- **Standard:** MIL-C-17
- **Impedance:** $75 \pm 2 \Omega$
- **Certifications:** UL, ETL, CE, CPR, RoHS
- **Length Options:** 100m, 305m, 500m, 1000m, 500ft, 1000ft

Construction Parameters

Component	Specification
Inner Conductor	1/0.64±0.01mm Silver Plated Copper Clad Steel
Dielectric	3.71±0.05mm PTFE (White)
Shield 1	16×7×0.12mm Silver Plated Copper; Braiding Density: 90%±3%
Jacket	5.13±0.10mm FEP (Natural Brown)

Electrical Characteristics

Parameter	Specification
Capacitance	64±5 pF/m
Impedance	$75 \pm 2 \Omega$
Velocity of Propagation	70%
Max Operating Voltage	2300 VMS
Max Operating Frequency	3000 MHz



Mechanical and Environmental Properties

Parameter	Specification
Cable Bend Radius	25 mm
Operating Temperature Range	-55 °C to 200 °C
Installation Temperature Range	-5 °C to 20 °C

Attenuation (20°C)

Frequency (MHz)	Max Attenuation (dB/100m)
100	10.50
400	21.70
1000	35.40
3000	66.60