



Coaxial Cable Technical Specification

General Information

- **Category:** Coaxial Cable
- **Impedance:** $50 \pm 2 \Omega$
- **Available Lengths:** 100m, 305m, 500m, 1000m, 500ft, 1000ft
- **Packaging Options:** Roll, wooden spool, carton, pallet
- **Minimum Order Quantity (MOQ):** 10KM

Construction Parameters

Component	Specification
Inner Conductor	7/0.102 $\pm$ 0.01mm Silver Plated Copper Clad Steel
Dielectric	0.86 $\pm$ 0.05mm PTFE (White)
Shield 1	16 $\times$ 3 $\times$ 0.10mm Silver Plated Copper; Braiding Density: 96% $\pm$ 3%
Jacket	1.80 $\pm$ 0.10mm FEP (Natural Brown)
Standard	MIL-C-17

Electrical Characteristics

Parameter	Specification
Capacitance	100 $\pm$ 5 pF/m
Velocity of Propagation	70%
Maximum Operating Voltage	750 VMS
Maximum Operating Frequency	3000 MHz



Mechanical and Environmental Properties

Parameter	Specification
Cable Bend Radius	10 mm
Operating Temperature Range	-55 °C to 200 °C
Installation Temperature Range	-5 °C to 20 °C

Attenuation (20°C)

Frequency (MHz)	Maximum Attenuation (dB/100m)
100	45.30
400	91.20
1000	145.70
3000	257.20