



Technical Specification for Coaxial Cable

1. Product Category

Coaxial Cable

2. Construction Parameters

Component	Specification
Inner Conductor	19/0.203±0.01mm Silver Plated Copper Clad Steel
Dielectric	2.95±0.05mm PTFE (White)
Shield 1	16×7×0.12mm Silver Plated Copper; Braiding Density: 95%±3%
Shield 2	16×7×0.12mm Silver Plated Copper; Braiding Density: 92%±3%
Jacket	4.95±0.10mm FEP (Natural Brown)
Standard Compliance	MIL-C-17

3. Electrical Characteristics

Parameter	Specification
Capacitance	105±5 pF/m
Impedance	50±2 Ω
Velocity of Propagation	70%
Maximum Operating Voltage	1400 VMS



Maximum Operating Frequency	12000 MHz
Attenuation (20°C)	- 100 MHz: Max 14.40 dB/100m - 400 MHz: Max 29.50 dB/100m - 1000 MHz: Max 48.20 dB/100m - 3000 MHz: Max 88.30 dB/100m - 5000 MHz: Max 118.40 dB/100m - 11000 MHz: Max 189.90 dB/100m

4. 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