



Technical Specification for Coaxial Cable (RG 316 FEP)

1. Product Category

Coaxial Cable

2. Construction Parameters

Component	Specification
Inner Conductor	7/0.17±0.01mm Silver Plated Copper Clad Steel
Dielectric	1.52±0.05mm FEP
Shield 1	16×5×0.10mm Silver Plated Copper; Braiding Density: 95%
Jacket	2.50±0.10mm FEP (Natural Brown)
Standard Compliance	MIL-C-17

3. Electrical Characteristics

Parameter	Specification
Capacitance	100±5 pF/m
Impedance	50±2 Ω
Velocity of Propagation	70%
Maximum Operating Voltage	1200 VMS
Maximum Operating Frequency	3000 MHz



Attenuation (20°C)

- 100 MHz: Max 26.20 dB/100m
- 400 MHz: Max 53.10 dB/100m
- 1000 MHz: Max 85.60 dB/100m
- 3000 MHz: Max 153.20 dB/100m

4. Mechanical and Environmental Properties

Parameter	Specification
Cable Bend Radius	13 mm
Operating Temperature Range	-55 °C to 150 °C
Installation Temperature Range	-5 °C to 20 °C