

Datasheet

RS PRO RG178 Coaxial FEP Cable

RS Stock No:9060635

RG178 B/U

Construction



Cable Marking: RG178 B/U FEP

Item	Material	Diameter (mm)
Inner Conductor	Silver Plated Copper Clad Steel	7/0.10 ± 0.02
Dielectric	PTFE(Nature)	0.84 ± 0.05
Shield	Silver Plated Copper Braid(16/3/0.10)	95% ± 5%
Jacket	FEP(Brown)	1.80 ± 0.10

Electrical Characteristics

Capacitance (pF/m)	96.5
Impedance (Ω)	50 ± 2
Velocity of Propagation (%)	69.5
Max Operating Frequency (GHz)	3.0
Max Operating Voltage (RMS)	1000.0
Corona Extinction voltage (VRMS)	1000.0
Voltage Withstand (VRMS)	2000.0
Spark Test (VRMS,Min)	2000.0
Operating Temp Range (°C)	-55 to 200

Attenuation (@ 20 °C)

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
10	5.6	18.4
50	10.5	34.4
100	14.0	45.9
200	19.0	62.3
400	28.0	91.9
700	37.0	121.4
900	42.5	139.4
1000	46.0	150.9