



Electrical Characteristics

Capacitance	: 95pF/m
Impedance	: 50Ω ±2Ω
Velocity of Propagation	: 69.5%
Conductor DCR	: 277.2Ω / km
Outer shield DCR	: 20Ω / km
Max. Operating Frequency	: 3,000MHz
Max. Operating Voltage	: 1,200 RMS
Corona Extinction Voltage	: 1,200Vrms
Voltage withstand	: 2,000Vrms
Spark Test	: 2,000Vrms
Operating Temperature Range	: -55°C to +200°C

Construction

Item	Material	Diameter	
		Inch	mm
Inner conductor	Silver plated copper clad steel	7 / 0.0067 ±0.001	7 / 0.17 ±0.02
Dielectric	PTFE	0.06 ±0.003	1.52 ±0.08
Shield	95% Silver plated copper braid	0.078 ±0.003	1.98 ±0.08
Jacket	FEP	0.098 ±0.004	2.49 ±0.1

Attenuation (at 20°C)

Frequency (MHz)	Maximum Attenuation (dB / 100 ft)	Maximum Attenuation (dB / 100 m)
10	2.7	8.9
50	5.6	18.4
100	8.3	27.2
200	11	36.1
400	16.7	54.8
700	22.8	74.8
900	26.3	86.3
1,000	28.6	93.8
3,000	53.3	174.9

Part Number Table

Description	Part Number
Cable, Coax, RG316, 100m	RG316

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