



## Electrical Characteristics

Capacitance	: 64pF/m
Impedance	: 75Ω ±3Ω
Velocity of Propagation	: 69.5%
Conductor DCR	: 800.5Ω/km
Outer shield DCR	: 27.9Ω/km
Max. Operating Frequency	: 3,000MHz
Max. Operating Voltage	: 1,200Vrms
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 / 0.004 ±0.001	7 / 0.1 ±0.03
Dielectric	PTFE	0.063 ±0.003	1.6 ±0.08
Shield	95% Silver plated copper braid	0.081 ±0.004	2.06 ±0.1
Jacket	FEP	0.1 ±0.005	2.54 ±0.13

## Attenuation (at 20°C)

Frequency (MHz)	Maximum Attenuation (dB / 100 ft)	Maximum Attenuation (dB / 100 m)
10	5.3	17.4
50	7	23
100	8.2	26.9
200	12.5	41
400	16	52.5
700	19.7	64.6
900	25.5	83.7
1,000	26.3	86.3

## Part Number Table

Description	Part Number
Cable, Coax, RG179,100m	RG179

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