



RG 316 CABLE

CONSTRUCTION		
Item	Material	Diameter (mm)
Inner Conductor	Silver plated copper clad steel	7 / 0.17 ±0.02
Dielectric	PTFE	1.52 ±0.08
Shield	95% Silver plated copper braid	1.98 ±0.08
Jacket	FEP	2.49 ±0.1
ELECTRICAL SPECIFICATION		
Maximum operating frequency (MHZ)	3,000	
Impedence (Ω)	50 ±2	
Capacitance (pF/m)	95	
Velocity of Propagation (%)	69.5	
Maximum operating voltage (Vrms)	1,200	
Voltage withstand (Vrms)	2,000	
Conductor DCR (Ohm / km)	277.2	
Outer shield DCR (Ohm / km)	20	
Spark test (Vrms)	2,000	
Operating Temperature Range	-55 to 200	
ATTENUATION AT 20°C (dB/100m)		
Frequency (MHz)	Maximum (dB / 100 ft)	Maximum (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
1000	228.6	93.8
3000	53.3	174.9