

# Hangzhou Sanyuan Cable Co.,Ltd

## RG316

### Construction

	Material	Diameter(mm)
Inner conductor	Silver Plated Copper Clad Steel	7/0.17
Dielectric	PTFE	1.52
Shield	95% Silver Plated Copper braid	1.98
Jacket	FEP	2.49

### Electrical Characteristics

Impedance( $\Omega$ )	50
Capacitance(pF/m)	95
Velocity of Propagation(%)	69.5
Max Operating Frequency(Mhz)	3000
Max Operating Voltage(RMS)	1200
Inner Conductor DCR (Ohm/km)	277.2
Outer Conductor DCR(Ohm/km)	20
Operating Temp Range( $^{\circ}\text{C}$ )	Subzero55 to 200

### Attenuation ( @20 $^{\circ}\text{C}$ )

Frequency(MHz)	Max Attenuation(dB/100m)
10	8.9
50	18.4
100	27.2
200	36.1
400	54.8
700	74.8
900	86.3
1000	90.2
3000	155.2