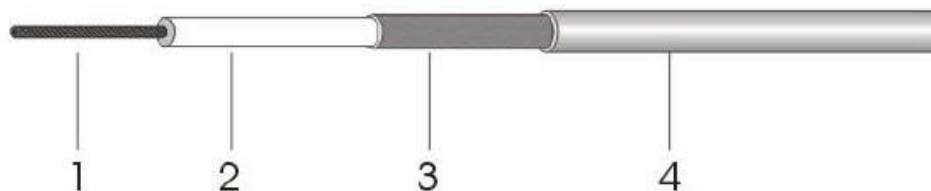


RG 316

**I Construction Specification**

Item	Material	Diameter (mm)
1 Inner Conductor	Silver Plated Copper Wire	7×0.175
2 Dielectric	PTFE	1.52 ± 0.05
3 Outer Conductor	Silver Plated Copper Wire Coverage	1.92 ± 0.05 $\geq 90\%$
4 Jacket	FEP, Brown	2.50 ± 0.08

II Electrical Characteristics

Capacitance (pF/m)	95.8
Impedance (ohm)	50 ± 2
Insulation Resistance ($M\Omega \cdot Km$)	3000
Conductor Resistance (Ω / Km 20°C)	281
Pressure (KV)	2
Velocity (%)	69.5
Flame retardant (UL)	Passed, (VW-1 provides material report)
Propagation Delay (ns / m)	4.8
Shielding Attenuation (dB)	100
V.S.W.R. (0.3~3GHz)	≤ 1.3
V.S.W.R. (3~6GHz)	≤ 1.4

III Mechanical and Enviromental Characteristics

Rated Temp (°C) / Voltage	-55°C ~ +105°C / 30V
Bending Radius (mm)	<13
RoHS	Compliant

IV Attenuation and Average Power @ 20°C

Frequency (MHz)	Attenuation (dB/m)	Frequency (MHz)	Attenuation (dB/m)
100	≤ 0.26	3000	≤ 1.72
400	≤ 0.55	4000	≤ 2.10
1000	≤ 0.88	5000	≤ 2.42
2000	≤ 1.30	6000	≤ 2.65