

RG401C-PVC

Construction

Item	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper	0.0641	1.63
Dielectric	PTFE	0.209	5.30
Outer Conductor	Tin Dipped Copper Braid	0.245	6.22
Jacket	PVC- Black	0.276	7.00

Electrical & Mechanical Characteristics

Capacitance (pF/m)	95.1
Impedance (Ω)	50+/-2
Velocity of Propagation (%)	70.0
Max Operating Frequency (GHz)	18.0
Max Operating Voltage (VRMS)	3500.0
Min Shielding Effectiveness (dB)	100.0
Time Delay(ns/m)	4.7
Min. Inside Bend Radius (mm)	30.0
Operating Temp Range ($^{\circ}\text{C}$)	-55 to +155

Attenuation & Average Power(20 $^{\circ}\text{C}$ & Seal Level)

Frequency(GHz)	Max Attenuation dB/ft. (dB/meter)	Power (Watts CW)
0.5	0.05 (0.17)	1300.0
1.0	0.08 (0.25)	920.0
5.0	0.19 (0.63)	411.0
10.0	0.31 (1.03)	291.0
18.0	0.47 (1.54)	217.0