



.085 SEMI RIGID CO-AXIAL CABLE

- The high Performance of attenuation allows co-axial cable to be used in different RF systems , such as 3G, 4G Mobile Communication.
- Wide range of applications, such as indoor distribution, broadcast, various base stations wireless cellular, and others
- Lower VSWR, perfect shielding effectiveness, and extraordinary inter-modulation performance lead to fewer energy loss and outer interference

Construction		Diameter
Inner Conductor	Steel, Copper Silver Plated	.021 ± .0005 inches
Insulation	PTFE	.066 ± .002 inches
Outer conductor	Copper, Tin plated	.0865 + .002-.001 inches

Electrical and Mechanical Characteristics	
Impedance	50 Ω
Max. operating frequency	40 GHz
Nominal Capacitance	27.0 pF/ft (88.56 pF/m)
Corona Extinction Voltage	1500 Vrms 60 Hz
Dielectric Strength	5.0 KVrms 60 Hz
Safe Bend Radius (Proper tooling)	.050 in
Voltage Withstanding	2500 Vrms 60 Hz
Minimum Bending Radius	0.250 in/ 6.35 mm
Weight	6.35 g/Ft (20.8 g/M)

Frequency (GHz)	Attenuation		Power (Watt) at 20°C and Sea level
	dB/100 ft	dB/100 m	
0.5	12.4	40.7	248
1	17.6	57.7	174
5	40.1	131.5	76
10	57.4	188.3	53
20	82.6	270.9	36
26.5	95.9	314.6	31
40	119.6	392.3	25