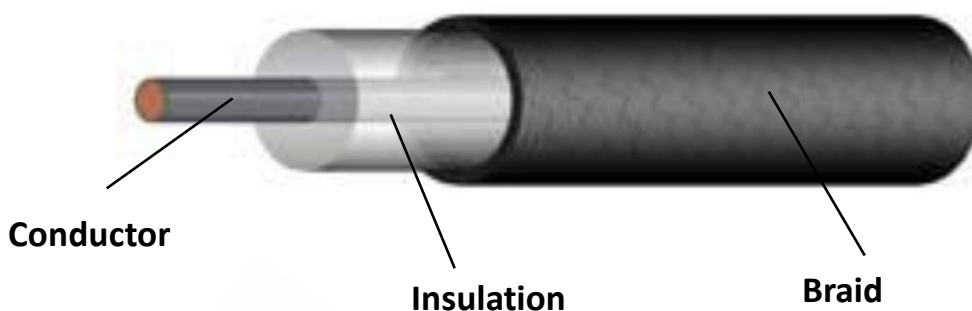


RG402 Semi-Flex Cable Assembly



Part No.: WLC-J111SF-XXX

RG402 Semi-Flex SMA Male to SMA Male Cable Assembly



Actual Cable Section Illustration

Construction

Conductor	Insulation	Braid
Material: Silver Plated Copper Diameter: 0.94mm (0.037")	Material: PTFE Diameter: 2.95mm (0.116")	Material: Tin-Soaked Tin Plated Copper Diameter: 3.60mm (0.141")

Physical Characteristics

Description	Specification
Minimum Bend Radius (Single Bend)	10mm (0.39")
Minimum Bend Radius (Multiple Bend)	40mm (1.57")
Operating Temperature	-40~165°C
Weight	44kg/km

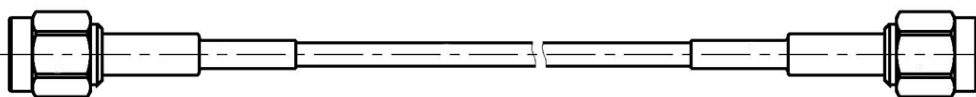
Electrical Characteristics

Frequency	Attenuation (dB/m)
0.4GHz	0.25
1GHz	0.41
1.8GHz	0.57
2GHz	0.60
2.4GHz	0.67
3GHz	0.76
5GHz	1.02
10GHz	1.69
18GHz	2.15

Description	Specification
Impedance	50 ± 2 Ω
Capacitance	94 pF/m
Velocity of Propagation	70 %
Signal Delay	4.8 ns/m
Working Voltage , AC r.m.s	2500 Max
Working Voltage , DC	5000 Max
Shielding Effectiveness	<-130 dB/m

Frequency	Average Power (W)
0.4GHz	686
1GHz	419
1.8GHz	308
2GHz	291
2.4GHz	265
3GHz	236
5GHz	182
10GHz	122
18GHz	83

Schematic Drawing



Remark: Estimation of Cable Assembly Loss = Connector Loss + Assembly Loss + Cable Loss