

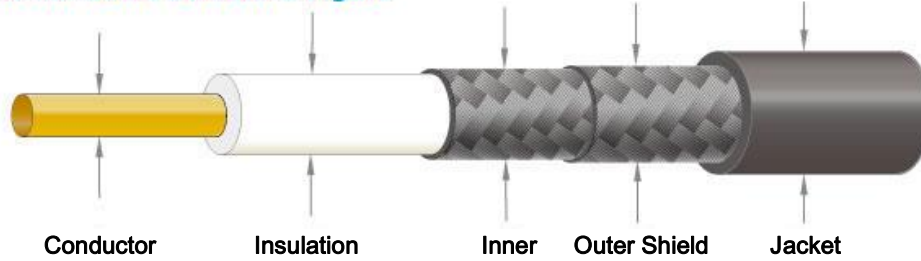
# RG223 Flexible Cable Assembly

**Part No.: WLC-M1111-XXX**

**Double Shielded RG223 SMA Male to SMA Male Cable Assembly**



Coaxial Cable Structure Figure



Actual Cable Section Illustration



## Construction

Conductor	Insulation	Inner Shield	Outer Shield	Jacket
Material: Copper wire silver Plated Diameter: 0.9±0.01mm (0.035")	Material: PE Diameter: 2.95±0.05mm (0.116")	Material: Silver plated Coverage: 96%	Material: Silver Plated Coverage: 96%	Material: PVC Diameter: 5.4±0.1mm (0.213")

## Physical Characteristics

Description	Specification
Weight	56.4.kg/km
Operating Temperature	-40~85°C
Min. Bend Radius	27mm (1.063")

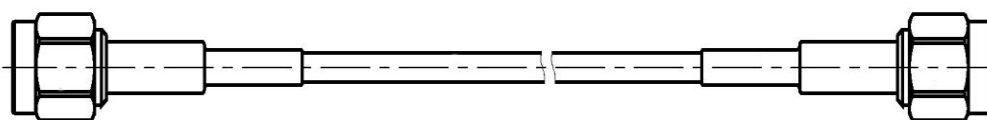
## Electrical Characteristics

Frequency	Attenuation (dB/m)
0.05GHz	0.098
0.4GHz	0.284
1GHz	0.459
3GHz	0.831
5.2GHz	1.127
5.8GHz	1.206

Description	Specification
Impedance	50±2 Ω
Capacitance	100 pF/m
Velocity of Propagation	66 %
Operating Voltage	1.4 KVRMS
Test Voltage (Inner/Outer Conductor)	5.0 KVRMS
Cut-off Frequency	12.4 GHz

Frequency	Average Power (W)
0.05GHz	350
0.4GHz	86
1GHz	50
3GHz	32
5.2GHz	24
5.8GHz	22

## Schematic Drawing



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