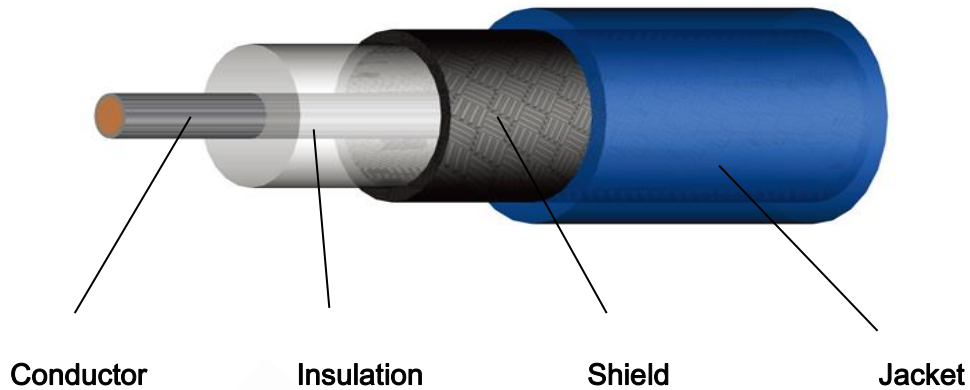


Semi-Flex & Jacket Cable Assembly



Part No.: WLC-K1111JK-xxx

WJ405 Semi-Flex Jacket SMA Male to SMA Male Cable Assembly



Actual Cable Section Illustration

Construction

Conductor	Insulation	Shield	Jacket
Material: Silver Plated Copper Wire Diameter: 0.52±0.01mm (0.02")	Material: PTFE Diameter: 1.68±0.05mm (0.066")	Material: Tinned Copper Wire Braid + Tin Soaked Diameter: 2.15±0.05mm (0.085")	Material: FEP Diameter: 2.5±0.1mm (0.098")

Physical Characteristics

Description	Specification
Min. Bending Radius (Single Bend)	6mm (0.24")
Min. Bending Radius (Multiple Bend)	20mm (0.79")
Operating Temperature	-55~125°C

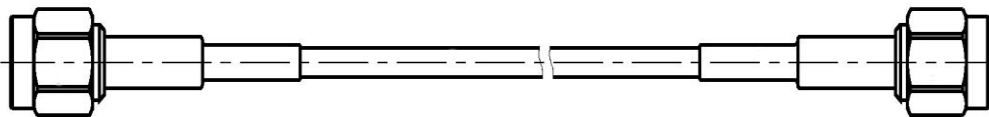
Electrical Characteristics

Frequency	Attenuation (dB/m)
0.5GHz	0.45
1GHz	0.64
5GHz	1.51
10GHz	2.22
20GHz	3.29

Description	Specification
Impedance	50 ± 2Ω
Capacitance	95 pF/m
Shielding Effectiveness (0~18GHz)	>100 dB
Velocity of Propagation	70 %
Signal Delay	4.7 ns/m
Max. Voltage	1500 V

Frequency	Average Power (W)
0.5GHz	173.5
1GHz	121.5
5GHz	52.2
10GHz	35.8
20GHz	24.3

Schematic Drawing



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