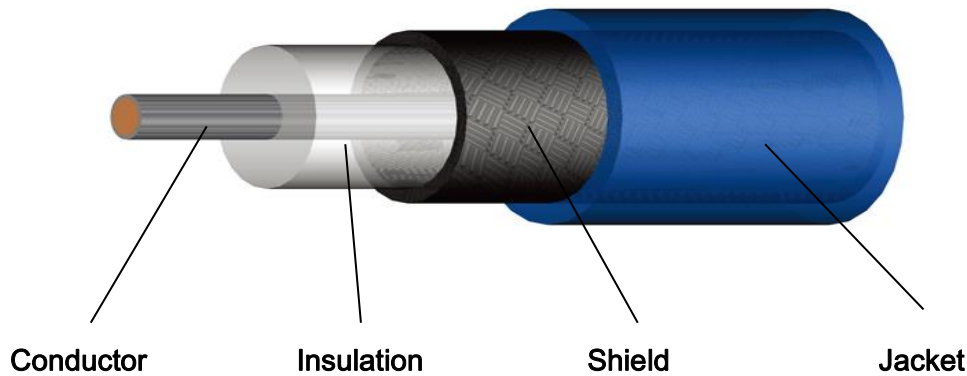


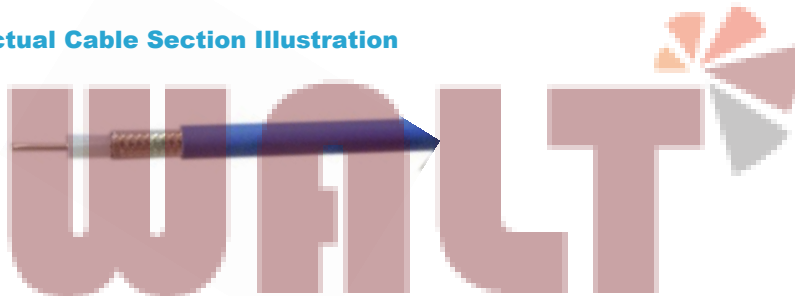
Semi-Flex & Jacket Cable Assembly

Part No.: WLC-J1111JK-xxx

WJ402 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: 0.94±0.02mm (0.037")	Material: PTFE Diameter: 2.98±0.05mm (0.117")	Material: Tinned Copper Wire Braid + Tin Soaked Diameter: 3.58±0.1mm (0.141")	Material: FEP Diameter: 4.40±0.1mm (0.173")

Physical Characteristics

Description	Specification
Minimum Bend Radius (Single Bend)	8mm (0.31")
Minimum Bend Radius (Multiple Bend)	40mm (1.57")
Operating Temperature	-55~125°C

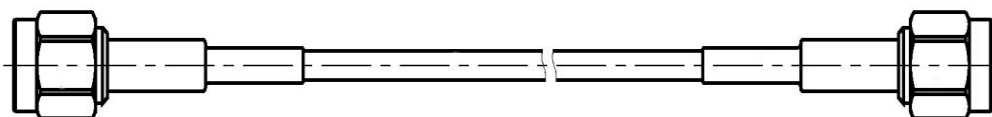
Electrical Characteristics

Frequency	Attenuation (dB/m)
0.5GHz	0.26
1GHz	0.39
5GHz	0.92
10GHz	1.38
20GHz	2.10

Description	Specification
Impedance	50 ± 2 Ω
Capacitance	95 pF/m
Shielding Effectiveness (0~18GHz)	>100 dB
Velocity of Propagation	70 %
Signal delay	4.7 ns/m
Max. Voltage	1900 V

Frequency	Average Power (W)
0.5GHz	436.5
1GHz	303.4
5GHz	126.7
10GHz	85.5
20GHz	56.6

Schematic Drawing



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