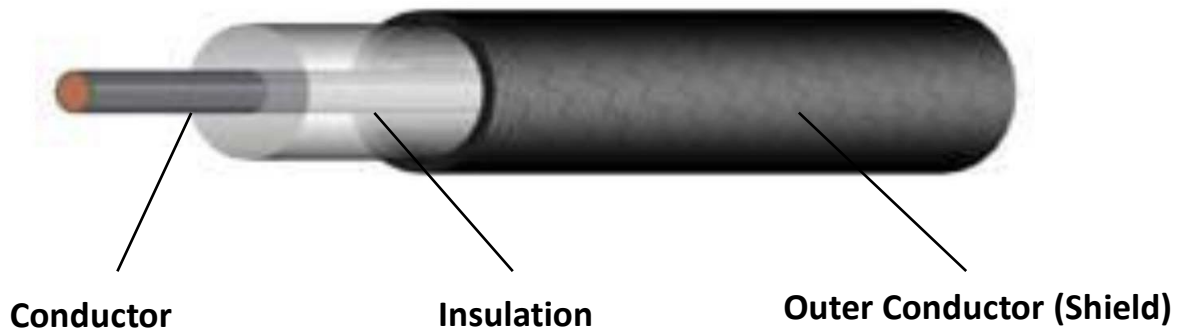


WR47 Semi-Rigid Coaxial Cable

Part No.: **WLC-0047-F05-XXX**



Actual Cable Section Illustration



Construction

Conductor	Insulation	Outer Conductor (Shield)
Material: SPCW Diameter: 0.29mm (0.0113")	Material: PTFE Diameter: 0.94mm (0.037")	Material: Copper Diameter: 1.19mm (0.047")

Physical Characteristics

Description	Specification
Min. Bend Radius	1.27mm (0.05")
Operating Temperature	-55~100°C
Weight	4.5 lbs./1000ft.

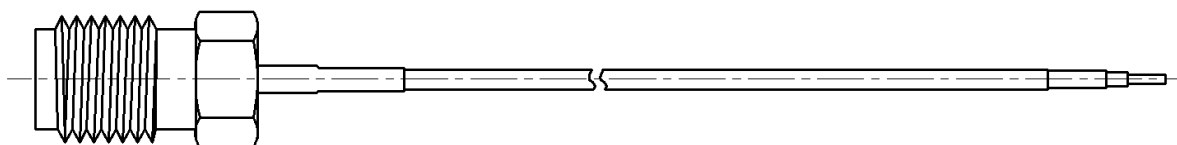
Electrical Characteristics

Frequency	Attenuation (dB/m)
1GHz	1.12
5GHz	2.58
10GHz	4.42

Description	Specification
Impedance	50 ± 1Ω
Dielectric Strength	2.0 (KVRMS 60 Hz)
Corona Extinction	1.0 (KVRMS 60 Hz)
Cut-Off Frequency	40 GHz

Frequency	Average Power (W)
1GHz	32
10GHz	9
20GHz	6.5

Schematic Drawing



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