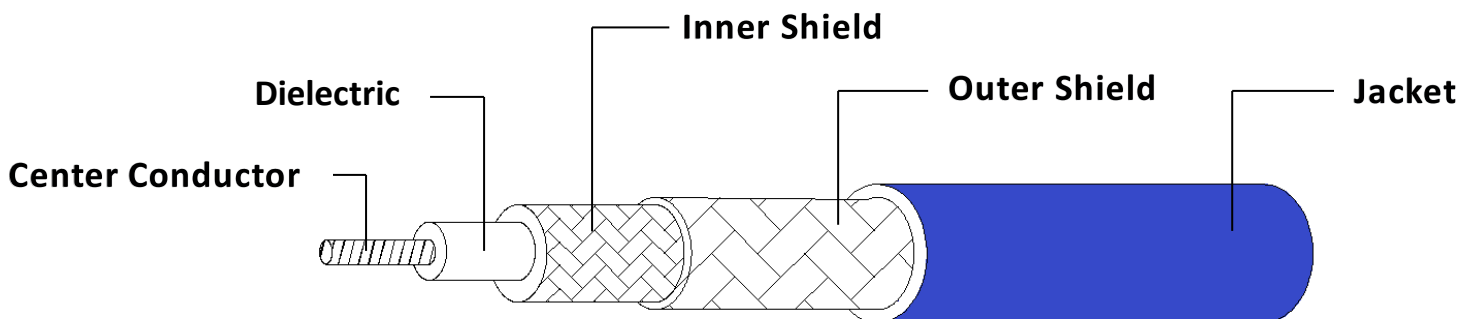


WF50 Flexible Cable Specifications

Part No.: WLC-0106-F01-xxx



Actual Cable Section Illustration



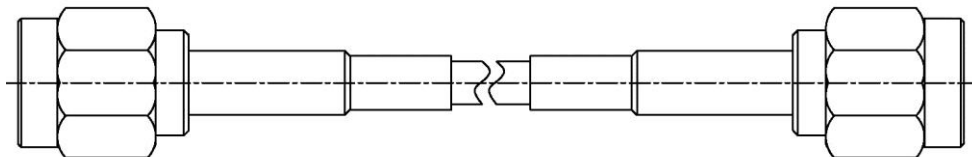
Construction

Description	MATERIAL	DIAMETER
Center Conductor	Silver Plated Copper Clad Steel Wire (SPCW)	0.51±0.07mm
Dielectric	Polytetrafluoroethylene (PTFE)	1.61±0.02mm
Inner Shield	Silver Plated Copper Tape (SCT)	1.78±0.02mm
Outer Shield	Silver Plated Copper (SPC)	2.18±0.02mm
Jacket	Fluorinated Ethylene Propylene (FEP)	2.70±0.12mm

Electrical / Physical Characteristics

Description	Specification
Capacitance	95.1 pF/m (29.0 pF/ft)
Impedance	50Ω ± 2Ω
Conductor resistance	Max. 64.3Ω/Mft (20°C)
Operating frequency	18 GHz
Shielding effect	100dB
Velocity of propagation	70%
Operating Temp.	-55°C~165°C
Min. Bend Radius	12.7mm (0.5")
Weight	19.4 kg/km
Frequency	Attenuation (Max.)
0.5 GHz	0.39 dB/m
1.0 GHz	0.72 dB/m
5.0 GHz	1.67 dB/m
10.0 GHz	2.52 dB/m
18.0 GHz	3.60 dB/m

Schematic Drawing



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