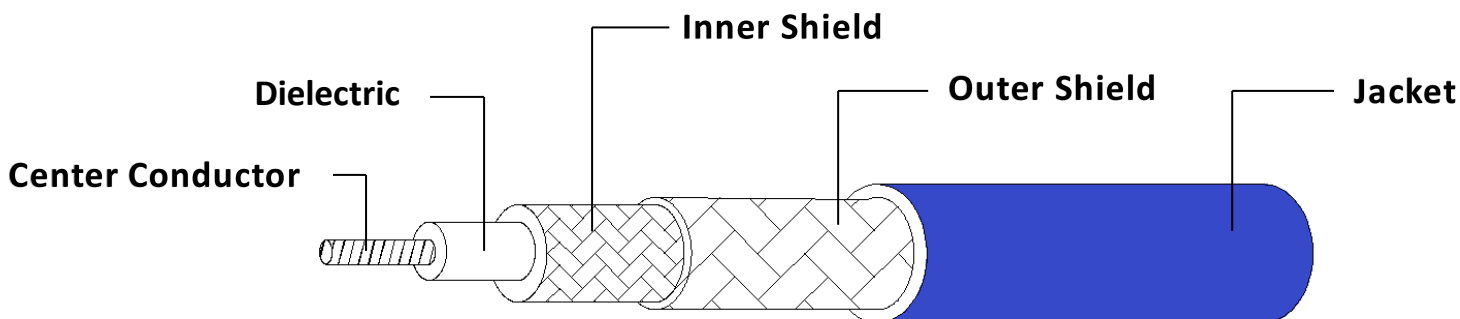


WF20 Flexible Cable Specifications

Part No.: WLC-0163-F01-xxx



Actual Cable Section Illustration



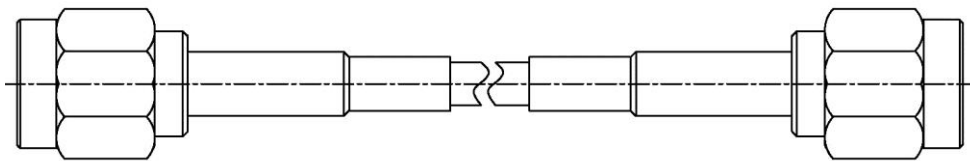
Construction

Description	MATERIAL	DIAMETER
Center Conductor	Silver Plated Copper Clad Steel Wire (SPCW)	0.92±0.07mm
Dielectric	Polytetrafluoroethylene (PTFE)	2.95±0.02mm
Inner Shield	Silver Plated Copper Tape (SCT)	3.18±0.02mm
Outer Shield	Silver Plated Copper (SPC)	3.62±0.02mm
Jacket	Fluorinated Ethylene Propylene (FEP)	4.15±0.12mm

Electrical / Physical Characteristics

Description	Specification
Capacitance	95.1 pF/m (29.0 pF/ft)
Impedance	50Ω ± 2Ω
Conductor resistance	Max. 19.3Ω/Mft (20°C)
Operating frequency	18GHz
Shielding effect	100dB
Velocity of propagation	70%
Operating Temp.	-55°C~165°C
Min. Bend Radius	20.32mm (0.8")
Weight	47.7 kg/km
Frequency	Attenuation (Max.)
0.4 GHz	0.23 dB/m
0.7 GHz	0.37 dB/m
1.0 GHz	1.15 dB/m
10.0 GHz	1.44 dB/m
15.0 GHz	2.09 dB/m
20.0 GHz	2.25 dB/m

Schematic Drawing



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