

50Ω Semi-rigid Coaxial Cable		.118AG-W-L-50	
DIMENSIONS			
Center Conductor Diameter			
(inch)		0.032±0.0010	
(mm)		0.813 ± 0.0254	
Dielectric Diameter			
(inch)		0.0941±0.001	
(mm)		2.39 ±0.0254	
Outer Conductor Diameter			
(inch)		0.1157+0.002	
(mm)		2.94±0.0508	
MATERIAL SPECIFICATIONS			
Outer Conductor		Silver Plated Copper	
Dielectric		Low Density PTFE	
Center Conductor		SPCW	
ELECTRICAL CHARACTERISTICS			
Impedance		50±1.5	
Capacitance (Nominal)			
(pF/ft)		23.23	
(pF/m)		76.2	
Corona Extinction Voltage			
(VRMS 60Hz)		1200	
Voltage Withstanding			
(VRMS 60Hz)		3500	
Cut off Frequency (GHz)		40	
Typical Attenuation			
Average Power (Watts CW) at 20°C and Sea Level		Attenuation	Power
		dB/ 100Ft	dB/ 100M
0.5GHz		8.6	28.2
1GHz		12.2	40
5GHz		28.7	94.2
10GHz		42.1	138.1
20GHz		62.6	205.3
30GHz		79.5	260.8
40GHz		94.6	310
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)		250	
Min. Inside Bend Radius			
(inch)		0.375	
(mm)		9.5	
Weight			
(g/Ft)		9.4	
(g/M)		30.8	

This part number complies with RoHS.

Notice: JYEBAO reserves the right to make modifications deemed appropriate.