

50Ω Semi-rigid Coaxial Cable		.118CU-W-L-50		
DIMENSIONS				
Center Conductor Diameter				
(inch)			0.032±0.0010	
(mm)			0.813 ± 0.0254	
Dielectric Diameter				
(inch)			0.0941±0.002	
(mm)			2.39 ±0.0254	
Outer Conductor Diameter				
(inch)			0.1157±0.001	
(mm)			2.94±0.0508	
MATERIAL SPECIFICATIONS				
Outer Conductor			Bare Coppe	
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)			45	
Typical Attenuation		Attenuation	Power	
Average Power (Watts CW) at 20°C and Sea Level		dB/ 100Ft	dB/ 100M	
0.5GHz		8.6	28.2	700
1GHz		12.2	40	500
5GHz		28.7	94.2	210
10GHz		42.1	138.1	144
20GHz		62.6	205.3	97
30GHz		79.5	260.8	76
40GHz		94.6	310	64
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.