

50Ω Semi-rigid Coaxial Cable		.047AG-W-P-50	
<b>DIMENSIONS</b>			
Center Conductor Diameter			
(inch)		0.0113±0.0005	
(mm)		0.29 ± 0.0127	
Dielectric Diameter			
(inch)		0.037±0.001	
(mm)		0.94 ±0.0254	
Outer Conductor Diameter			
(inch)		0.047 ±0.002	
(mm)		1.19±0.0508	
<b>MATERIAL SPECIFICATIONS</b>			
Outer Conductor		Silver Plated Copper	
Dielectric		PTFE	
Center Conductor		SPCW	
<b>ELECTRICAL CHARACTERISTICS</b>			
Impedance		50±1.5	
Capacitance (Nominal)			
(pF/ft)		29.0	
(pF/m)		95.1	
Corona Extinction Voltage			
(VRMS 60Hz)		1000	
Voltage Withstanding			
(VRMS 60Hz)		2000	
Cut off Frequency (GHz)		109	
Typical Attenuation		Attenuation	
Average Power (Watts CW) at 20°C and Sea Level		dB/100Ft	Power
		dB/100M	
0.5GHz		24.0	62.2
1GHz		34.2	43.7
5GHz		78.8	19.1
10GHz		113.8	13.3
20GHz		165.9	9.2
<b>MECHANICAL CHARACTERISTICS</b>			
Max. Operating Temperature (°C)		150	
Min. Inside Bend Radius			
(inch)		0.050	
(mm)		1.27	
Weight			
(g/Ft)		1.7	
(g/M)		5.6	

This part number complies with RoHS.

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