

50Ω Semi-rigid Coaxial Cable	.047AL-W-P-50		
<b>DIMENSIONS</b>			
Center Conductor Diameter			
(inch)	0.0113		
(mm)	0.29		
Dielectric Diameter			
(inch)	0.037		
(mm)	0.94		
Outer Conductor Diameter			
(inch)	0.047± 0.002		
(mm)	1.19 ± 0.0508		
<b>MATERIAL SPECIFICATIONS</b>			
Outer Conductor	Tin Plated Aluminium		
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		Power
Average Power (Watts CW)	dB/ 100Ft	dB/ 100M	
at 20°C and Sea Level			
0.5GHz	24.0	78.7	54.4
1GHz	34.2	112.2	38.2
5GHz	78.8	285.5	16.7
10GHz	113.8	373.3	11.6
20GHz	165.9	544.2	8
<b>MECHANICAL CHARACTERISTICS</b>			
Max. Operating Temperature (°C)	125		
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.