

50Ω Semi-rigid Coaxial Cable	.047AL-C-L-50		
DIMENSIONS			
Center Conductor Diameter (inch) (mm)	0.0126 0.32		
Dielectric Diameter (inch) (mm)	0.037 0.94		
Outer Conductor Diameter (inch) (mm)	0.047 1.19		
MATERIAL SPECIFICATIONS			
Outer Conductor	Tin Plated Aliminium		
Dielectric	Low Density PTFE		
Center Conductor	SPC		
ELECTRICAL CHARACTERISTICS			
Impedance	50±2		
Capacitance (Nominal) (pF/ft) (pF/m)	29.0 95.1		
Corona Extinction Voltage (VRMS 60Hz)	1000		
Voltage Withstanding (VRMS 60Hz)	2000		
Cut off Frequency (GHz)	115		
Typical Attenuation	Attenuation		Power
Average Power (Watts CW) at 20°C and Sea Level	dB/ 100Ft	dB/ 100M	
0.5GHz	22	72.2	124
1GHz	31.2	102.33	88
5GHz	70.5	231.2	39
10GHz	100	328	27
20GHz	143	469	19
40GHz	254.5	834	10
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)	-55/+200		
Min. Inside Bend Radius (inch) (mm)	0.0115 3.175		
Weight (g/Ft) (g/M)	1.8 6.0		

This part number complies with RoHS.

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