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50Ω Semi-rigid Coaxial Cable	.047AL-C-L-50		
DIMENSIONS			
Center Conductor Diameter			
(inch)	0.0126±0.0005		
(mm)	0.32004 ± 0.0127		
Dielectric Diameter			
(inch)	0.037±0.0015		
(mm)	0.9398 ±0.0381		
Outer Conductor Diameter			
(inch)	0.047+0.002/-0.001		
(mm)	1.1938 +0.0508/-0.0254		
MATERIAL SPECIFICATIONS			
Outer Conductor	Tin Plated Aliminium		
Dielectic	Low Density PTFE		
Center Conductor	SPC		
ELECTRICAL CHARACTERISTICS			
Impedance	50±2		
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)	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)	0.0115		
(mm)	3.175		
Weight			
(g/Ft)	1.8		
(g/M)	6.0		

This part number complies with RoHS.

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