

50Ω Semi-rigid Coaxial Cable	.031CU-C-L-50		
<b>DIMENSIONS</b>			
Center Conductor Diameter			
(inch)	0.0080±0.0005		
(mm)	0.203 ± 0.013		
Dielectric Diameter			
(inch)	0.0242±0.0015		
(mm)	0.615 ±0.038		
Outer Conductor Diameter			
(inch)	0.031-0.001/+0.002		
(mm)	0.787-0.025/+0.051		
<b>MATERIAL SPECIFICATIONS</b>			
Outer Conductor	Bare Copper		
Dielectric	Expanded PTFE		
Center Conductor	SPC		
<b>ELECTRICAL CHARACTERISTICS</b>			
Impedance	50±3		
Capacitance (Nominal)			
(pF/ft)	27		
(pF/m)	88.56		
Corona Extinction Voltage			
(VRMS 60Hz)	500		
Voltage Withstanding			
(VRMS 60Hz)	1000		
Cut off Frequency (GHz)	175		
Typical Attenuation	Attenuation		Power
Average Power (Watts CW) at 20°C and Sea Level	dB/ 100Ft	dB/ 100M	
0.5GHz	33.8	110.9	60
1GHz	47.8	156.8	42
5GHz	107.6	352.9	19
10GHz	152.8	501.2	13
18GHz	206.2	676.3	10
20GHz	217.6	713.7	9
26.5GHz	251.3	824.3	8
40GHz	310.5	1018.5	6
60GHz	383	1256	5
<b>MECHANICAL CHARACTERISTICS</b>			
Max. Operating Temperature (°C)	250		
Min. Inside Bend Radius			
(inch)	0.500		
(mm)	12.7		
Weight			
(g/Ft)	14.3		
(g/M)	46.9		

This part number complies with RoHS.

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