

50Ω Semi-rigid Coaxial Cable	.031TIN-C-L-50		
DIMENSIONS			
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		
MATERIAL SPECIFICATIONS			
Outer Conductor	Tin Plated Copper		
Dielectric	Expanded PTFE		
Center Conductor	SPC		
ELECTRICAL CHARACTERISTICS			
Impedance	50±3		
Velocity Of Propagation	77%		
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	57
1GHz	47.8	156.8	40
5GHz	107.6	352.9	18
10GHz	152.8	501.2	12.4
18GHz	206.2	676.3	9.5
20GHz	217.6	713.7	8.5
26.5GHz	251.3	824.3	7.6
40GHz	310.5	1018.5	5.7
60GHz	383	1256	4.8
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)	250		
Min. Inside Bend Radius			
(inch)	0.500		
(mm)	12.7		
Weight			
(g/Ft)	14.3		
(g/M)	46.9		

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