

50Ω Semi-rigid Coaxial Cable	.118TIN-W-L-50		
DIMENSIONS			
Center Conductor Diameter			
(inch)	0.032±0.0010		
(mm)	0.813 ± 0.0254		
Dielectric Diameter			
(inch)	0.0941±0.001		
(mm)	2.39 ±0.0254		
Outer Conductor Diameter			
(inch)	0.1157+0.002		
(mm)	2.94±0.0508		
MATERIAL SPECIFICATIONS			
Outer Conductor	Tin Plated Copper		
Dielectric	Low Density PTFE		
Center Conductor	SPCW		
ELECTRICAL CHARACTERISTICS			
Impedance	50±1.5		
Capacitance (Nominal)			
(pF/ft)	23.23		
(pF/m)	76.2		
Corona Extinction Voltage			
(VRMS 60Hz)	1200		
Voltage Withstanding			
(VRMS 60Hz)	3500		
Cut off Frequency (GHz)	45		
Typical Attenuation	Attenuation		Power
Average Power (Watts CW) at 20°C and Sea Level	dB/ 100Ft	dB/ 100M	
0.5GHz	8.6	28.2	560
1GHz	12.2	40	400
5GHz	28.7	94.2	168
10GHz	42.1	138.1	115.2
20GHz	62.6	205.3	77.6
30GHz	79.5	260.8	60.8
40GHz	94.6	310	51.2
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)	100		
Min. Inside Bend Radius			
(inch)	0.375		
(mm)	9.5		
Weight			
(g/Ft)	9.4		
(g/M)	30.8		

This part number complies with RoHS.

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