

50Ω Semi-rigid Coaxial Cable	.085AG-W-P-50		
DIMENSIONS			
Center Conductor Diameter			
(inch)	0.0201±0.0005		
(mm)	0.51 ± 0.0127		
Dielectric Diameter			
(inch)	0.0654±0.001		
(mm)	1.66 ±0.0254		
Outer Conductor Diameter			
(inch)	0.0850+0.002/-0.001		
(mm)	2.16 +0.0508/-0.0254		
MATERIAL SPECIFICATIONS			
Outer Conductor	Silver Plated Copper		
Dielectric	PTFE		
Center Conductor	SPCW		
ELECTRICAL CHARACTERISTICS			
Impedance	50±1.5		
Capacitance (Nominal)			
(pF/ft)	29.0		
(pF/m)	95.1		
Corona Extinction Voltage			
(VRMS 60Hz)	1500		
Voltage Withstanding			
(VRMS 60Hz)	5000		
Cut off Frequency (GHz)	61		
Typical Attenuation	Attenuation		Power
Average Power (Watts CW) at 20°C and Sea Level	dB/ 100Ft	dB/ 100M	
0.5GHz	13.6	44.6	173.5
1GHz	19.5	64	121.5
5GHz	45.9	150.6	52.2
10GHz	67.5	221.4	35.8
20GHz	100.3	329	24.3
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)	125		
Min. Inside Bend Radius			
(inch)	0.050		
(mm)	1.27		
Weight			
(g/Ft)	6.35		
(g/M)	20.8		

This part number complies with RoHS.

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