

50Ω Semi-rigid Coaxial Cable	.085AL-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)	0.0858+0.002/-0.001		
(mm)	2.18 +0.0508/-0.0254		
MATERIAL SPECIFICATIONS			
Outer Conductor	Tin Plated Aluminium		
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	14.6	47.9	140
1GHz	21.0	68.9	100
5GHz	49.3	161.7	40
10GHz	72	236.2	28
20GHz	107	351	19
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)	125		
Min. Inside Bend Radius			
(inch)	0.070		
(mm)	1.78		
Weight			
(g/Ft)	3.1		
(g/M)	10.2		

This part number complies with RoHS.

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