

<b>50Ω Semi-rigid Coaxial Cable</b>	<b>.141AL-W-P-50</b>		
<b>DIMENSIONS</b>			
Center Conductor Diameter (inch) (mm)	0.0362 0.92		
Dielectric Diameter (inch) (mm)	0.1175 2.98		
Outer Conductor Diameter (inch) (mm)	0.141 3.58		
<b>MATERIAL SPECIFICATIONS</b>			
Outer Conductor	Tin Plated Aluminium		
Dielectric	PTFE		
Center Conductor	SPCW		
<b>ELECTRICAL CHARACTERISTICS</b>			
Impedance	50±1.5		
Velocity of Propagation	70%		
Shielding Effectiveness	≥ 120 dB(Up to 18GHz)		
Capacitance (Nominal) (pF/ft) (pF/m)	29.0 95.1		
Corona Extinction Voltage (VRMS 60Hz)	1900		
Voltage Withstanding (VRMS 60Hz)	5000		
Operating Frequency (GHz)	40		
Typical Attenuation	Attenuation		Power
Average Power (Watts CW) at 40°C Ambient Still Air	dB/100Ft	dB/100M	
0.4GHz	6.4	21	280
1GHz	10.67	35	190
3GHz	20.12	66	130
5GHz	27.13	89	78
10GHz	42.38	139	50
18GHz	60.67	199	36
25GHz	74.39	244	30
30GHz	84.15	276	26
35GHz	93.29	306	22
40GHz	101.52	333	18
<b>MECHANICAL CHARACTERISTICS</b>			
Max. Operating Temperature (°C)	125		
Min. Bend Radius (inch) (mm)	0.125 3.18		
Weight (g/Ft) (g/M)	8.15 26.7		

This part number complies with RoHS.

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