

50Ω Semi-rigid Coaxial Cable	.047CU-W-P-50		
DIMENSIONS			
Center Conductor Diameter			
(inch)	0.0113±0.0005		
(mm)	0.29 ± 0.0127		
Dielectric Diameter			
(inch)	0.0362±0.001		
(mm)	0.92 ±0.0254		
Outer Conductor Diameter			
(inch)	0.0449+0.002/-0.001		
(mm)	1.14+0.0508/-0.0254		
MATERIAL SPECIFICATIONS			
Outer Conductor	Bare 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)	1000		
Voltage Withstanding			
(VRMS 60Hz)	2000		
Cut off Frequency (GHz)	109		
Typical Attenuation			
Average Power (Watts CW)			
at 20°C and Sea Level			
0.5GHz	24.0	78.7	80.5
1GHz	34.2	112.2	56.6
5GHz	78.8	285.5	24.7
10GHz	113.8	373.3	17.2
20GHz	165.9	544.2	11.9
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)	150		
Min. Inside Bend Radius			
(inch)	0.050		
(mm)	1.27		
Weight			
(g/Ft)	1.7		
(g/M)	5.6		

This part number complies with RoHS.

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