

50Ω Semi-rigid Coaxial Cable		.070AG-C-P-50	
DIMENSIONS			
Center Conductor Diameter			
(inch)		0.0179±0.0005	
(mm)		0.45 ± 0.0127	
Dielectric Diameter			
(inch)		0.0570±0.001	
(mm)		1.46 ±0.0254	
Outer Conductor Diameter			
(inch)		0.070+0.002/-0.001	
(mm)		1.78 +0.0508/-0.0254	
MATERIAL SPECIFICATIONS			
Outer Conductor		Silver Plated Copper	
Dielectric		PTFE	
Center Conductor		SPC	
ELECTRICAL CHARACTERISTICS			
Impedance		50±1	
Capacitance (Nominal)			
(pF/ft)		29.0	
(pF/m)		95.1	
Corona Extinction Voltage			
(VRMS 60Hz)		1200	
Voltage Withstanding			
(VRMS 60Hz)		3500	
Cut off Frequency (GHz)		68	
Typical Attenuation		Attenuation	
Average Power (Watts CW) at 20°C and Sea Level		dB/ 100Ft	Power
0.5GHz	15.2	49.9	95.8
1GHz	21.7	71.2	67.1
5GHz	50.7	166.3	28.6
10GHz	74.5	244.4	19.8
20GHz	110.2	361.5	13.5
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)		125	
Min. Inside Bend Radius			
(inch)		0.125	
(mm)		3.18	
Weight			
(g/Ft)		3.5	
(g/M)		11.5	

This part number complies with RoHS.

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