

50Ω Semi-rigid Coaxial Cable		.047TIN-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		Tin 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)		1000	
Voltage Withstanding			
(VRMS 60Hz)		2000	
Cut off Frequency (GHz)		109	
Typical Attenuation			
Average Power (Watts CW) at 20°C and Sea Level		Power	
		Attenuation	
		dB/ 100Ft	dB/ 100M
0.5GHz		24.0	78.7
1GHz		34.2	112.2
5GHz		78.8	285.5
10GHz		113.8	373.3
20GHz		165.9	544.2
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)		150	
Min. Inside Bend Radius			
(inch)		0.050	
(mm)		1.27	
Weight			
(g/Ft)		1.75	
(g/M)		5.8	

This part number complies with RoHS.

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