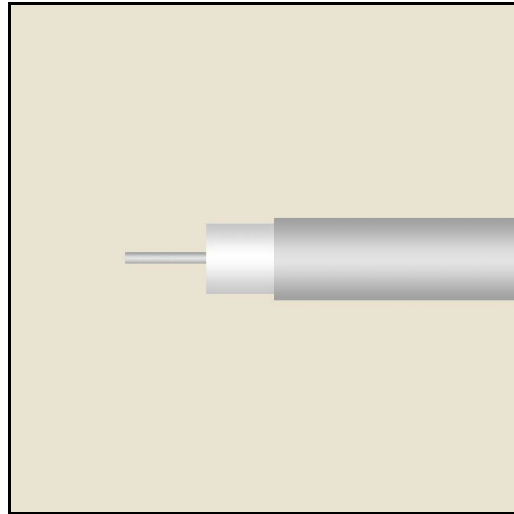


**Product Features**

P1CB-050-047-TASP-L is a 50 Ohm low loss semi-rigid cable, .047 inch outer diameter, with a tin plated aluminum outer conductor.



**Electrical Specification: T<sub>Ambient</sub> = 25° C**

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Impedance				50.00		

**Mechanical And Environmental Specifications:**

Parameter	Description	Notes
RoHS Compliance	Yes	

**Drawing**

DIMENSIONS	
Center Conductor Diameter	
(inch)	0.0126±0.0005
(mm)	0.32004 ± 0.0127
Dielectric Diameter	
(inch)	0.037±0.0015
(mm)	0.9398 ±0.0381
Outer Conductor Diameter	
(inch)	0.047+0.002/-0.001
(mm)	1.1938 +0.0508/-0.0254

**Graph**

RF Cable, 50 Ohms, 0.047 in, Tin Plated Aluminum outer conductor. Priced and shipped in 1 meter lengths.

<b>MATERIAL SPECIFICATIONS</b>			
Outer Conductor	Tin Plated Aluminium		
Dielectric	Low Density PTFE		
Center Conductor	SPC		
<b>ELECTRICAL CHARACTERISTICS</b>			
Impedance	50±2		
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)	115		
Typical Attenuation	Attenuation		Power
Average Power (Watts CW) at 20°C and Sea Level	dB/ 100Ft	dB/ 100M	
0.5GHz	22	72.2	124
1GHz	31.2	102.33	88
5GHz	70.5	231.2	39
10GHz	100	328	27
20GHz	143	469	19
40GHz	254.5	834	10

**Product Notes**