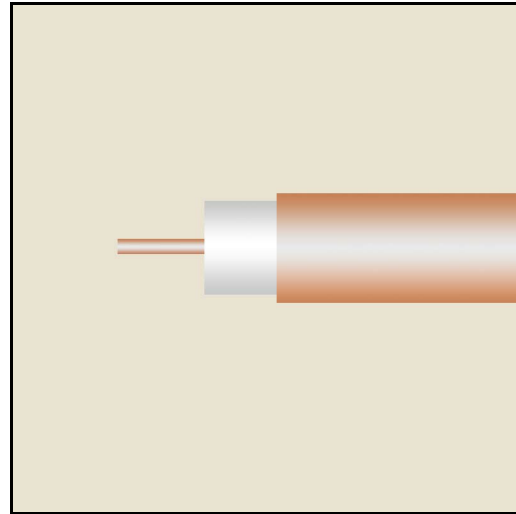


**Product Features**

P1CB-050-118-CUSW-L is a low loss semi-rigid RF cable, 50 Ohms, 0.118 inch outer diameter with a bare copper 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**

Low Loss Semi-rigid RF Cable, 50 Ohms, 0.118 inch outer diameter, Bare Copper outer conductor. Priced and shipped in 1 meter lengths.

<b>DIMENSIONS</b>			
Center Conductor Diameter (inch)	0.032±0.0010		
(mm)	0.813 ± 0.0254		
Dielectric Diameter (inch)	0.0941±0.002		
(mm)	2.39 ±0.0254		
Outer Conductor Diameter (inch)	0.1157±0.001		
(mm)	2.94±0.0508		
<b>MATERIAL SPECIFICATIONS</b>			
Outer Conductor	Bare Coppe		
Dielectric	Low Density PTFE		
Center Conductor	SPCW		
<b>ELECTRICAL CHARACTERISTICS</b>			
Impedance	50±1.5		
Capacitance (Nominal) (pF/ft)	23.23		
(pF/m)	76.2		
Corona Extinction Voltage (VRMS 60Hz)	1200		
Voltage Withstanding (VRMS 60Hz)	3500		
Cut off Frequency (GHz)	45		
Typical Attenuation	Attenuation		Power
Average Power (Watts CW) at 20°C and Sea Level	dB/ 100Ft	dB/ 100M	
0.5GHz	8.6	28.2	700
1GHz	12.2	40	500
5GHz	28.7	94.2	210
10GHz	42.1	138.1	144
20GHz	62.6	205.3	97
30GHz	79.5	260.8	76
40GHz	94.6	310	64

**Graph**

Low Loss Semi-rigid RF Cable, 50 Ohms, 0.118 inch outer diameter, Bare Copper outer conductor. Priced and shipped in 1 meter lengths.



<b>MECHANICAL CHARACTERISTICS</b>	
Max. Operating Temperature (°C)	250
Min. Inside Bend Radius	
(inch)	0.375
(mm)	9.5
Weight	
(g/Ft)	9.4
(g/M)	30.8

**Product Notes**