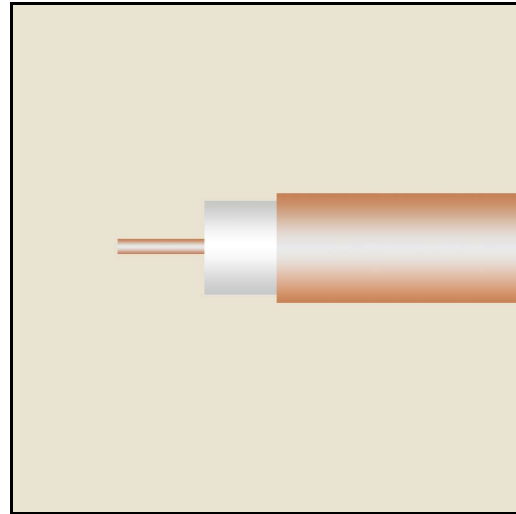


Product Features

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_{Ambient} = 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.

DIMENSIONS			
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		
MATERIAL SPECIFICATIONS			
Outer Conductor	Bare Coppe		
Dielectric	Low Density PTFE		
Center Conductor	SPCW		
ELECTRICAL CHARACTERISTICS			
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.



MECHANICAL CHARACTERISTICS	
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