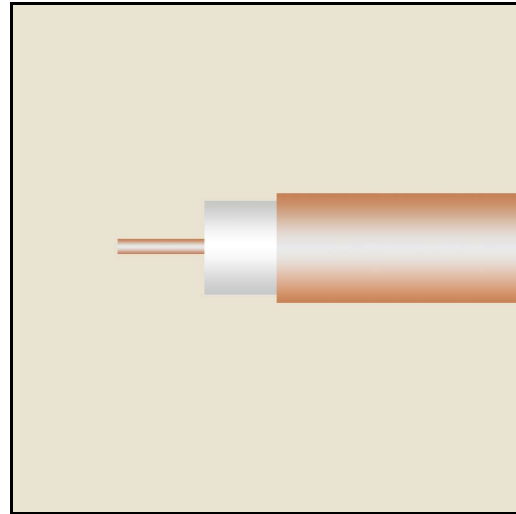


**Product Features**

P1CB-050-085-CUSW-P is a Semi-Rigid RF Cable, 50 Ohm, 0.085 inch diameter, 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**

<b>DIMENSIONS</b>			
Center Conductor Diameter (inch)		0.0201±0.0005	
(mm)		0.51 ± 0.0127	
Dielectric Diameter (inch)		0.0654±0.001	
(mm)		1.66 ±0.0254	
Outer Conductor Diameter (inch)		0.0850±0.001	
(mm)		2.16 ±0.0254	
<b>MATERIAL SPECIFICATIONS</b>			
Outer Conductor		Bare Copper	
Dielectric		PTFE	
Center Conductor		SPCW	
<b>ELECTRICAL CHARACTERISTICS</b>			
Impedance		50±1.5	
Capacitance (Nominal) (pF/ft)		29.0	
(pF/m)		95.1	
Corona Extinction Voltage (VRMS 60Hz)		1500	
Voltage Withstanding (VRMS 60Hz)		5000	
Cut off Frequency (GHz)		61	
Typical Attenuation Average Power (Watts CW) at 20°C and Sea Level	Attenuation		Power
	dB/ 100Ft	dB/ 100M	
0.5GHz	13.6	44.6	232.0
1GHz	19.5	64	162.4
5GHz	45.9	150.6	69.8
10GHz	67.5	221.4	47.9
20GHz	100.3	329	32.6

**Graph**

RF Semi-Rigid Cable, 50 Ohms, 0.085 inch, bare copper outer conductor. Priced and shipped in 1 meter lengths.

<b>MECHANICAL CHARACTERISTICS</b>	
Max. Operating Temperature (°C)	125
Min. Inside Bend Radius	
(inch)	0.050
(mm)	1.27
Weight	
(g/Ft)	6.1
(g/M)	20

**Product Notes**