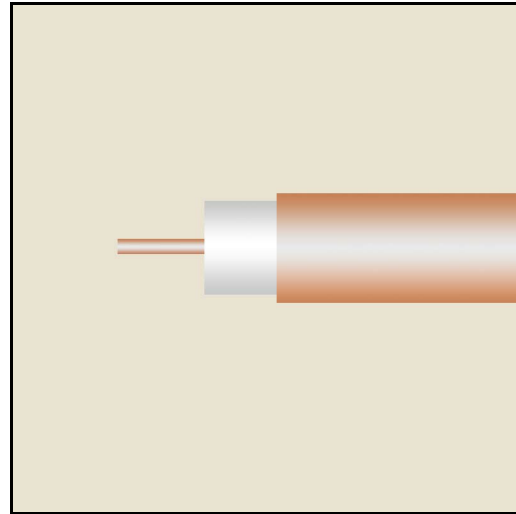


**Product Features**

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	Attenuation		Power
Average Power (Watts CW) at 20°C and Sea Level	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**