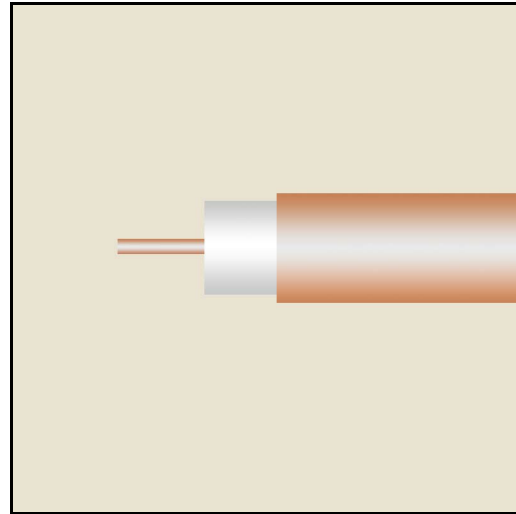


**Product Features**

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	<table border="1"> <thead> <tr> <th colspan="2">Attenuation</th> <th rowspan="2">Power</th> </tr> <tr> <th>dB/ 100Ft</th> <th>dB/ 100M</th> </tr> </thead> <tbody> <tr> <td>0.5GHz</td> <td>13.6</td> <td>44.6</td> <td>232.0</td> </tr> <tr> <td>1GHz</td> <td>19.5</td> <td>64</td> <td>162.4</td> </tr> <tr> <td>5GHz</td> <td>45.9</td> <td>150.6</td> <td>69.8</td> </tr> <tr> <td>10GHz</td> <td>67.5</td> <td>221.4</td> <td>47.9</td> </tr> <tr> <td>20GHz</td> <td>100.3</td> <td>329</td> <td>32.6</td> </tr> </tbody> </table>	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
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**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**