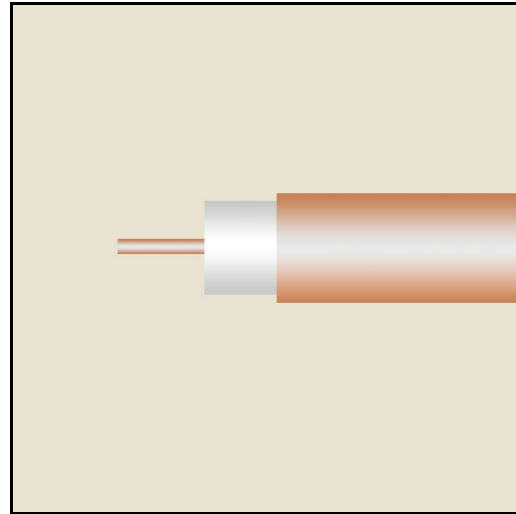


Product Features

P1CB-050-085-CUSW-P is a Semi-Rigid RF Cable, 50 Ohm, 0.085 inch diameter, bare copper outer conductor.



Electrical Specification: $T_{\text{Ambient}} = 25^{\circ} \text{ C}$

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Impedance				50.00		

Mechanical And Environmental Specifications:

Parameter	Description	Notes
RoHS Compliance	Yes	

Drawing

DIMENSIONS		
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
MATERIAL SPECIFICATIONS		
Outer Conductor		Bare Copper
Dielectric		PTFE
Center Conductor		SPCW
ELECTRICAL CHARACTERISTICS		
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	
Average Power (Watts CW) at 20°C and Sea Level	dB/ 100Ft	Power
0.5GHz	13.6	232.0
1GHz	19.5	162.4
5GHz	45.9	69.8
10GHz	67.5	47.9
20GHz	100.3	32.6

Graph

MECHANICAL CHARACTERISTICS	
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