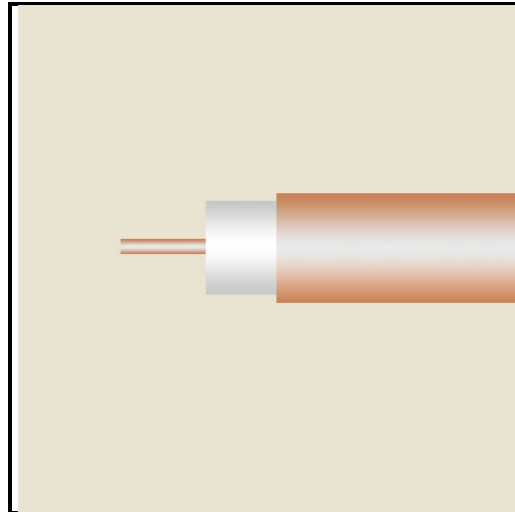


P1CB-050-141-CUSW-P

RF Semi-Rigid Cable, 50 Ohms, 0.141 inch, Copper jacket. Priced and shipped in 1 meter lengths.

Product Features

Semi rigid cable, 0.141 inch diameter, 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

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RF Semi-Rigid Cable, 50 Ohms, 0.141 inch, Copper jacket. Priced and shipped in 1 meter lengths.

DIMENSIONS	
Center Conductor Diameter (inch) (mm)	0.0362 0.92
Dielectric Diameter (inch) (mm)	0.117 2.98
Outer Conductor Diameter (inch) (mm)	0.141 3.58
MATERIAL SPECIFICATIONS	
Outer Conductor	Bare Copper
Dielectric	PTFE
Center Conductor	SPCW
ELECTRICAL CHARACTERISTICS	
Impedance	50±1.5
Velocity of Propagation	70%
Shielding Effectiveness	≥ 120 dB(Up to 18GHz)
Capacitance (Nominal) (pF/ft) (pF/m)	29.0 95.1
Corona Extinction Voltage (VRMS 60Hz)	1900
Voltage Withstanding (VRMS 60Hz)	5000
Operating Frequency (GHz)	40

Graph

Typical Attenuation Average Power (Watts CW) at 40°C Ambient Still Air	Attenuation		Power
	dB/100Ft	dB/100M	
0.4GHz	6.4	21	600
1GHz	10.67	35	417
3GHz	20.12	66	250
5GHz	27.13	89	174
10GHz	42.38	139	117
18GHz	60.67	199	75
25GHz	74.39	244	67
30GHz	84.15	276	62
35GHz	93.29	306	58
40GHz	101.52	333	56
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)	125		
Min. Bend Radius (inch) (mm)	0.075 1.91		
Weight (g/Ft) (g/M)	14.3 46.9		

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Product Notes