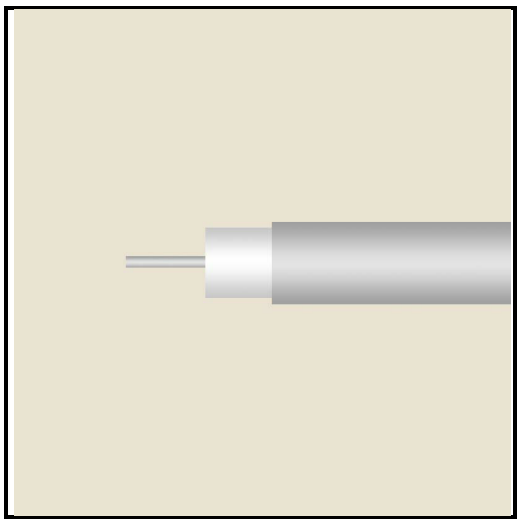
P1CB-050-141-SSSW-P

Semi-rigid RF Cable, 50 Ohms, 0.141 inch semi-rigid with stainless steel outer conductor. Priced and shipped in 1 meter lengths.

Product Features



Electrical Specification: $T_{Ambient}$ = 25° C

Parameter	Frequency Range	Units	Min	Typical	Max	Notes
Impedance				50.00		

Mechanical And Environmental Specifications:

Parameter	Description	Notes
RoHS Compliance	Yes	

Drawing

P1dB, Inc. 188 Martinvale Lane, San Jose, CA 95119 +1(408)613-4857

sales@p1dB.com

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DIMENSIONS Center Conductor Diameter (inch) (mm)	 0.062 ±0.0010 0.92 ± 0.0254
Dielectric Diameter (inch) (mm)	0.1175±0.001 2.98 ±0.0254
Outer Conductor Diameter (inch) (mm)	0.126 3.19
MATERIAL SPECIFICATIONS Outer Conductor	Stainless Steel
Dielectic	PTFE
Center Conductor	SPCW
ELECTRICAL CHARACTERISTICS Impedance	50±1.5
Capacitance (Nominal) (pF/ft) (pF/m)	29.0 95.1
Corona Extinction Voltage (VRMS 60Hz)	1900
Voltage Withstanding (VRMS 60Hz)	5000
Cut off Frequency (GHz)	40

Graph

Typical Attenuation Average Power (Watts CW) at 20°C and Sea Leve	Attenuation dB/ 100Ft	 dB/ 100M	Power
400Mhz	16.77	55	350
1GHz	26.52	87	243.6
3GHz	46.65	153	
5Ghz	61.59	202	105.7
10GHz	89.94	295	73.1
18GHz	125.61	412	53
25GHz	149.70	491	
30GHz	166.46	546	
35GHz	181.71	596	
40GHz	198.48	651	
MECHANICAL CHARACTERISTICS Max. Operating Temperature (°C)	240		
Min. Inside Bend Radius (inch) (mm)	0.25 6.33		
Weight (g/Ft) (g/M)	14.3 46.9		

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