

RESISTANCE AND WEIGHT OF WIRE

Resistivity = 510 Ohms Per Circular Mil Foot at 77F (25C)

Temperature F	68	212	392	572	752	932	1112	1292	1472	1652	1832	2012
Temperature C	20	100	200	300	400	500	600	700	800	900	1000	1100
Factor	1.000	1.017	1.035	1.052	1.062	1.068	1.066	1.063	1.062	1.067	1.071	1.075

	Dia. In	Ohms Per Ft.
B & S	Inches	77F (25C)
000	.410	.003867
00	.365	.004879
0	.325	.006154
1	.289	.007782
2	.258	.009765
3	.229	.01239
4	.204	.01562
5	.182	.01962
6	.162	.02477
7	.144	.03135
8	.128	.03967
9	.114	.05002
10	.102	.06248
11	.091	.07849
12	.081	.09907
13	.072	.1254
14	.064	.1587
15	.057	.2001
16	.051	.2499
17	.045	.321
18	.04	.4063
19	.036	.5015
20	.032	.6348
21	.0285	.8002
22	.0253	1.015
23	.0226	1.273
24	.0201	1.609
25	.0179	2.029
26	.0159	2.571

	Dia. In	Ohms Per Ft.
B & S	Inches	77F (25C)
27	.0142	3.224
28	.0126	4.094
29	.0113	5.09
30	.010	6.5
31	.0089	8.206
32	.008	10.16
33	.0071	12.89
34	.0063	16.3
35	.0056	20.73
36	.005	26
37	.0045	32.1
38	.004	40.63
39	.0035	53.06
40	.0031	67.64
41	.00275	85.95
42	.0025	104
43	.00225	128.4
44	.002	162.5
45	.00175	212.2
46	.0015	288.9
47	.0014	331.6
48	.0013	384.6
49	.0012	451.4
50	.0011	537.2
51	.001	650
52	.0009	802.5
53	.0008	1016
54	.0007	1327