

**SOLID BARE WIRE GAGE DIAMETERS
AND PRINTED CIRCUIT DRILL SIZES**

AMER WIRE GAGE (AWG)	NOM DIA	MM DIA	AREA CIRCULAR MILLS (sq. in.)	OHMS PER 1000 FT at 20°C	FEET PER POUND	PC BOARD HOLE DIA
36	.005	.127	25.0	415.	13,210.	.016 (#78)
35	.0056	.142	31.5	331.	10,481.	.016 (#78)
34	.006	.152	39.8	261.	8,310.	.016 (#78)
33	.007	.178	50.1	206.	6,591.	.016 (#78)
32	.008	.208	63.2	162.	5,227.	.016 (#78)
31	.009	.228	79.7	131.	4,145.	.016 (#78)
30	.010	.254	101.0	104.	3,287.	.016 (#78)
29	.011	.280	127.0	81.2	2,607.	.016 (#78)
28	.013	.330	160.0	65.3	2,067.	.016 (#78)
27	.014	.356	202.0	51.4	1,639.	.026 (#71)
26	.016	.406	254.0	41.0	1,300.	.026 (#71)
25	.018	.457	320.0	32.4	1,031.	.026 (#71)
24	.020	.508	404.0	25.7	817.7	.031 (#68)
23	.023	.584	509.0	20.3	648.4	.031 (#68)
22	.025	.635	642.0	16.2	514.2	.031 (#68)
21	.028	.711	810.0	12.8	407.8	.040 (#60)
20	.032	.813	1,020.0	10.1	323.4	.040 (#60)
19	.036	.914	1,290.0	8.04	256.5	.052 (#55)
18	.040	1.016	1,620.0	6.38	203.4	.052 (#55)
17	.045	1.143	2,050.0	5.04	161.3	.052 (#55)
16	.050	1.270	2,580.0	4.01	127.9	
15	.057	1.448	3,260.0	3.18	101.4	
14	.064	1.626	4,110.0	2.52	80.44	
13	.072	1.829	5,180.0	2.00	63.80	
12	.081	2.057	6,530.0	1.59	50.59	
11	.090	2.286	8,230.0	1.26	40.12	
10	.102	2.590	10,400.0	.999	31.82	
9	.114	2.896	13,100.0	.792	25.23	
8	.128	3.251	16,500.0	.628	20.01	
7	.144	3.658	20,800.0			
6	.162	4.115	26,300.0			
5	.182	4.623	33,100.0			
4	.204	5.182	41,700.0			
3	.229	5.817	52,600.0			
2	.258	6.553	66,400.0			
1	.289	7.340	83,700.0			
0	.325	8.255	106,000.0			

NOTE: PC Board Hole Diameters are for manual insertion and NOT plated through holes.