

Wire Gauge vs. Diameter

Wire Gauge AWG	Diameter	
	Inches	mm
10	0.1019	2.5883
11	0.0907	2.3038
12	0.0808	2.0523
13	0.0720	1.8288
14	0.0641	1.6281
15	0.0571	1.4503
16	0.0508	1.2903
17	0.0453	1.1506
18	0.0403	1.0236
19	0.0359	0.9119
20	0.0320	0.8128
21	0.0285	0.7239
22	0.0253	0.6426
23	0.0226	0.5740
24	0.0201	0.5105
25	0.0179	0.4547
26	0.0159	0.4039
27	0.0142	0.3607
28	0.0126	0.3200
29	0.0113	0.2870
30	0.0100	0.2540
31	0.0089	0.2261
32	0.0080	0.2032
33	0.0071	0.1803
34	0.0063	0.1600
35	0.0056	0.1422
36	0.0050	0.1270
37	0.0045	0.1143
38	0.0040	0.1016
39	0.0035	0.0889
40	0.0031	0.0787

Above are diameter of the conductor (the bare wire) with the insulation removed.