

# LAYCOCK/CROWN WIRE TABLE

AWG = American Wire Gauge

B&S = Brown & Sharpe

SWG = Imperial Standard Wire Gauge (British legal standard)

.W.G. NO.	S.W.G. Bare Diameter (Inches)	S.W.G. Area Circular Mils	A.W.G. NO.	A.W.G. Bare Diameter (Inches)	A.W.G. Area Circular Mils	A.W.G. LBS per 1000 FT	A.W.G FT per LB	A.W.G. OHMS PER 1000 FT*	A.W.G. OHMS PER pound
7/0	0.500	250,000	000000 (7/0)	-	-	-	-	-	-
6/0	0.464	215,296	000000 (6/0)	0.580000	-	-	-	-	-
5/0	0.432	186,624	00000 (5/0)	0.516500	-	-	-	-	-
4/0	0.400	160,000	0000 (4/0)	0.460000	211,600	640.61	1.561	0.04901	0.0000765
3/0	0.372	138,384	000 (3/0)	0.409642	167,772	507.87	1.969	0.06182	0.0001217
2/0	0.348	121,104	00 (2/0)	0.364796	133,079	402.9	2.482	0.07793	0.0001934
1/0	0.324	104,976	0 (1/0)	0.324861	105,560	319.4	3.130	0.09825	0.0003075
			0.5	0.3071	94,310				
1	0.300	90,000	1	0.289297	83,694	253.3	3.947	0.1239	0.0004890
			1.5	0.2734	74,748				
2	0.276	76,176	2	0.257627	66,358	200.8	4.979	0.1563	0.0007782
			2.5	0.2435	59,292				
3	0.252	63,504	3	0.229423	52,624	159.2	6.278	0.1971	0.0012374
			3.5	0.2169	47,046				
4	0.232	53,824	4	0.2043	41,738	126.3	7.915	0.2485	0.0019669
			4.5	0.1931	37,288				
5	0.2120	44,944	5	0.1819	33,088	100.1	9.985	0.3134	0.0031293
			5.5	0.1720	29,584				
6	0.1920	36,864	6	0.1620	26,244	79.4	12.588	0.3952	0.0049748
			6.5	0.1532	23,470				
7	0.1760	30,976	7	0.1443	20,822	63	15.866	0.4981	0.0079029
			7.5	0.1364	18,605				

8	0.1600	25,600	8	0.1285	16,512	50	20.007	0.6281	0.0125664
			8.5	0.1213	14,714	44.5	22.453	0.7025	0.0157732
9	0.1440	20,736	9	0.1144	13,090	39.61	25.243	0.7925	0.0200051
			9.5	0.1080	11,664	35.3	28.323	0.8858	0.02509131
10	0.1280	16,384	10	0.1019	10,384	31.43	31.816	0.9988	0.0317778
			10.5	0.0962	9,254	28.01	35.699	1.12	0.0400
11	0.1160	13,456	11	0.0907	8,226	24.87	40.2	1.26	0.0507
			11.5	0.0856	7,327	22.17	45.1	1.41	0.0636
12	0.1040	10,816	12	0.0808	6,529	19.76	50.6	1.59	0.0805
			12.5	0.0763	5,822	17.63	56.7	1.78	0.1009
13	0.0920	8,464	13	0.0720	5,184	15.69	63.7	2.00	0.1274
			13.5	0.0679	4,610	13.94	71.7	2.24	0.151
14	0.0800	6,400	14	0.0641	4,109	12.43	80.4	2.52	0.203
			14.5	0.0605	3,660	11.07	90.3	2.82	0.255
15	0.0720	5,184	15	0.0571	3,260	9.90	101	3.56	0.321
			15.5	0.0538	2,905	8.77	114	3.56	0.406
16	0.0640	4,096	16	0.0508	2,581	7.81	128	4.02	0.515
			16.5	0.0480	2,304	6.99	143	4.48	0.641
17	0.0560	3,136	17	0.0453	2,052	6.21	161	5.05	0.813
			17.5	0.0427	1,823	5.52	181	5.66	1.024
18	0.0480	2,304	18	0.0403	1,624	4.916	203	6.39	1.30
			18.5	0.0380	1,444	4.36	229	7.14	1.64
19	0.0400	1,600	19	0.0359	1,289	3.901	256	8.05	2.06
			19.5	0.0339	1,149	3.48	287	8.97	2.57
20	0.0360	1,296	20	0.0320	1,024	3.100	323	10.1	3.26
			20.5	0.0302	912	2.76	362	10.1	4.13
21	0.0320	1,024	21	0.0285	812	2.459	407	12.8	5.21
			21.5	0.0269	724	2.18	457	14.3	6.5
22	0.0280	784	22	0.0253	640	1.938	516	16.2	8.4
			22.5	0.0239	571	1.73	576	18	10.4
23	0.0240	576	23	0.0226	511	1.546	647	20.3	13.1
			23.5	0.0213	454	1.37	728	22.6	16.5
24	0.0220	484	24	0.0201	404	1.223	818	25.7	21
			24.5	0.0190	361	1.09	915	28.7	26.3

25	0.0200	400		25	0.0179	320	0.9699	1030	32.4	33.4
				25.5	0.0169	286	0.90	1100	36.3	42.1
26	0.0180	324		26	0.0159	253	0.7652	1307	41.02	53.61
				26.5	0.0150	225	0.68	1470	45.5	66.9
27	0.0164	269		27	0.0142	202	0.6104	1638	51.44	84.27
				27.5	0.0134	180	0.54	1840	57.7	106.2
28	0.0148	219		28	0.0126	159	0.4806	2081	65.33	135.90
				28.5	0.0119	142	0.43	2330	75	175
29	0.0136	185		29	0.0113	128	0.3865	2587	81.22	210.10
				29.5	0.0106	112	0.34	2940	92.3	271
30	0.0124	144		30	0.0100	100	0.3027	3304	103.7	342.6
				30.5	0.0095	90.3	0.27	3660	115	421
31	0.0116	135		31	0.0089	79.2	0.2398	4171	130.90	546.1
				31.5	0.0083	70.5	0.21	4680	147	688
32	0.0108	118		32	0.0080	64.0	0.1937	5162	162.1	836.5
				32.5	0.0075	56.3	0.17	5870	184	1080
33	0.0100	100		33	0.0071	50.40	0.5126	6553	205.70	1348
				33.5	0.0067	44.9	0.13	7360	231	1700
34	0.0092	85		34	0.0063	39.7	0.1201	8324	261	2175
				34.5	0.0059	34.8	0.10	9490	286	2733
35	0.0084	71		35	0.0056	31.4	0.09	10500	331	3476
36	0.0076	58		36	0.0050	25.0	0.076	13200	415	5478
37	0.0068	46		37	0.0045	20.25	0.061	16300	512	8346
38	0.0060	36		38	0.0040	16.00	0.048	20600	648	13349
39	0.0052	27		39	0.0035	12.25	0.0037	27000	847	22869
40	0.0048	23		40	0.0031	9.61	0.0029	34400	1080	37152