

Wire gauges



Gauges, sizes, weights & lengths of round wire

GAUGE A.S.W.	NUMBER OR W.M.	ROLL THREAD	SEC. AREA	WEIGHT: POUNDS PER FOOT IRON STEEL	LENGTH: FEET PER POUND IRON STEEL	FULL SIZES OF PLAIN WIRE	STEEL WIRE GAUGE NO.	DECIMAL EQUIVALENTS
	.5000		.19635	.6668	1.500			
7/0	.4900		.18857	.6404	1.562			
	.4640	1/2-20	.16909	.5742	1.741		7/0	.4900
6/0	.4615		.16728	.5681	1.760			
	.4450	1/2-13	.15553	.5282	1.893			
	.4410	1/2-12	.15274	.5187	1.928			
	.4375		.15033	.5105	1.959			
5/0	.4305		.14556	.4943	2.023		5/0	.4305
	.4010	7/16-20	.12629	.4268	2.332			
4/0	.3938		.12180	.4136	2.418			
	.3860	7/16-14	.11702	.3974	2.516			
	.3750		.11045	.3751	2.666		3/0	.3625
	.3700	1/8-27pipe	.10752	.3651	2.738			
3/0	.3625		.10321	.3505	2.853			
	.3450	3/8-24	.09348	.3175	3.150		1	.2830
2/0	.3310	3/8-16	.08605	.2922	3.422			
	.3125		.07670	.2605	3.839			
1/0	.3065		.07378	.2506	3.991		2	.2625
1	.2830		.06290	.2136	4.681			
	.2820	5/16-24	.06246	.2121	4.714			
	.2720	5/16-18	.05810	.1973	5.067		3	.2437
2	.2625		.05412	.1838	5.441			
	.2500		.04909	.1667	5.999			
3	.2437		.04664	.1584	6.313		4	.2253
	.2280	1/4-32	.04083	.1387	7.212			
4	.2253	1/4-28	.03986	.1354	7.386		5	.2070
	.2140	1/4-20	.03596	.1221	8.187			
5	.2070		.03365	.1143	8.750		6	.1920
6	.1920		.02895	.0983	10.17			
	.1900	12-28	.0284	.0963	10.38		7	.1770
	.1875		.02761	.0938	10.66			
	.1860	12-24	.0272	.0923	10.84		8	.1620
	.1850		.0269	.0913	10.95			
7	.1770		.0246	.0836	11.97		9	.1483
	.1670	10-32	.0219	.0744	13.44			
8	.1620		.0206	.0700	14.29		10	.1350
	.1600	10-24	.0201	.0683	14.65			
	.1562		.0192	.0651	15.36		11	.1205
9	.1483		.0173	.0587	17.05			
	.1440	8-36	.0163	.0553	18.08		12	.1055
	.1410	8-32	.0156	.0530	18.86			
10	.1350		.0143	.0486	20.57		13	.0915
	.1280	7-32	.0129	.0437	22.88			
	.1250		.0123	.0417	24.00		14	.0800
11	.1205		.0114	.0387	25.82			
	.1150	6-40	.0104	.0353	28.35		15	.0720
	.1150	6-32	.0104	.0353	28.35			
12	.1055		.0087	.0297	33.68		16	.0625
	.0960	5-40	.0087	.0297	33.68			
	.0960	4-48	.0072	.0246	40.68		17	.0540
	.0940	4-40	.0069	.0236	42.43			
13	.0915		.0066	.0223	44.78		18	.0475
	.0915	4-36	.0066	.0223	44.78			
14	.0800		.0050	.0171	58.58		19	.0410
	.0800	3-48	.0050	.0171	58.58			
15	.0720		.0041	.0138	72.32		20	.0348
	.0720	2-56	.0041	.0138	72.32			
16	.0625		.0031	.0104	95.98			
17	.0540		.0023	.0078	128.6			
18	.0475		.0018	.0060	166.2			
19	.0410		.0013	.0045	223.0			
20	.0348		.0009	.0032	309.6			
21	.0317		.0008	.0027	373.1			
22	.0286		.0006	.0022	458.4			
23	.0286		.0005	.0018	563.3			
24	.0230		.0004	.0014	708.7			

To obtain weights of metals other than steel multiply by the given factors:

METAL	FACTOR
Aluminum	.344
Brass (yellow)	1.08
Copper	1.14
Stainless (type 302)	1.02