



# Little Falls Alloys

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FLAT WIRE

ROUND EDGE  
FLAT WIRE

**TABLE II American Wire Gauge (B&S) Flat Wire Weight**  
**BERYLLIUM COPPER (Pounds Per 1000 Feet)**

B & S Gauge	Thickness Inches	Width - Inches (.010 through .060) (see BELOW for .070 through .175)									
		.010	.015	.020	.025	.030	.035	.040	.045	.050	.060
16	.0508	1.83	2.74	3.66	4.58	5.49	6.41	7.32	8.24	9.15	10.98
17	.0453	1.63	2.45	6.26	4.08	4.89	5.71	6.52	7.34	8.16	9.78
18	.0403	1.45	2.18	2.90	3.63	4.35	5.08	5.80	6.58	7.26	8.70
19	.0359	1.29	1.94	2.58	3.23	3.88	4.52	5.17	5.82	6.46	7.76
20	.0319	1.15	1.73	2.30	2.88	3.46	4.04	4.61	5.19	5.76	6.92
20	.030	1.08	1.62	2.16	2.70	3.24	3.78	4.32	4.86	5.40	6.48
21	.0285	1.03	1.54	2.05	2.57	3.08	3.59	4.10	4.62	5.13	6.16
22	.0254	0.914	1.37	1.93	2.28	2.74	3.20	3.66	4.12	4.57	5.48
23	.0226	0.814	1.22	1.63	2.04	2.44	2.85	3.26	3.67	4.07	4.88
24	.201	0.724	1.09	1.45	1.81	2.17	2.54	2.90	3.26	3.62	4.34
25	.0179	0.644	0.966	1.29	1.61	1.93	2.26	2.58	2.90	3.22	3.86
26	.0159	0.572	0.858	1.14	1.43	1.72	2.00	2.29	2.58	2.86	3.43
26	.015	0.540	0.810	1.08	1.35	1.62	1.89	2.16	2.43	2.70	3.24
27	.0142	0.511	0.767	1.02	1.28	1.53	1.79	2.04	2.30	2.56	3.07
28	.0126	0.454	0.681	0.908	1.19	1.36	1.59	1.82	2.05	2.27	2.72
28	.012	0.432	0.648	0.864	1.08	1.30	1.51	1.73	1.95	2.16	2.59
29	.0113	0.407	0.611	0.814	1.02	1.22	1.43	1.63	1.84	2.04	2.44
30	.010	0.360	0.540	0.720	0.900	1.08	1.26	1.44	1.62	1.80	2.16
31	.0089	0.320	0.480	0.640	0.800	0.960	1.12	1.28	1.44	1.60	1.92
32	.0079	0.288	0.432	0.576	0.720	0.864	1.01	1.15	1.29	1.44	1.73
32	.0075	0.270	0.405	0.540	0.675	0.810	0.945	1.08	1.22	1.36	1.62
33	.0071	0.256	0.384	0.512	0.640	0.768	0.894	1.02	1.15	1.28	1.54
34	.0063	0.227	0.341	0.454	0.568	0.681	0.790	0.908	1.03	1.14	1.36
34	.006	0.216	0.324	0.432	0.540	0.648	0.756	0.964	0.972	1.08	1.30
35	.0056	0.202	0.303	0.404	0.505	0.606	0.707	0.808	0.909	1.01	1.21
36	.005	0.180	0.270	0.360	0.450	0.540	0.630	0.720	0.810	0.900	1.08
37	.0045	0.162	0.243	0.324	0.405	0.486	0.567	0.648	0.729	0.810	0.972
38	.004	0.144	0.216	0.288	0.360	0.432	0.504	0.576	0.648	0.720	0.864
39	.0035	0.126	0.189	0.252	0.315	0.378	0.446	0.504	0.567	0.630	0.756
39	.003	0.108	0.162	0.216	0.270	0.324	0.378	0.432	0.486	0.540	0.648
42	.0025	0.090	0.135	0.180	0.225	0.270	0.315	0.360	0.405	0.450	
44	.002	0.072	0.108	0.144	0.180	0.216	0.252	0.288	0.324		
44	.0015	0.054	0.081	0.108	0.135	0.161	0.189				
50	.001	0.036	0.054	0.072	0.090						

**TABLE II Continued .070 through .175**

B&S Gauge	Thickness Inches	Width - Inches									
			.080	.090	.100	.110	.120	.130	.140	.150	.175
16	.0508	12.81	14.64	16.47	18.29	20.12	21.95	23.78	25.61	27.44	32.02
17	.0453	11.41	13.04	14.68	16.31	17.94	19.57	21.20	22.83	24.47	28.55
18	.0403	10.15	11.60	13.06	14.51	15.96	17.41	18.86	20.31	21.77	25.40
19	.0359	9.05	10.34	11.63	12.92	14.21	15.50	16.80	18.09	19.38	22.61
20	.0319	8.07	9.22	10.37	11.52	12.67	13.82	14.98	16.13	17.28	20.16
20	.030	7.56	8.64	9.72	10.80	11.88	12.96	14.04	15.12	16.20	18.90
21	.0285	7.18	8.20	9.23	10.26	11.29	12.31	13.34	14.36	15.39	17.96
22	.0254	6.40	7.32	8.23	9.14	10.05	10.97	11.88	12.80	13.71	15.99
23	.0226	5.70	6.51	7.33	8.14	8.95	9.77	10.58	11.40	12.21	14.25
24	0.201	5.07	5.80	6.52	7.24	7.96	8.69	9.41	10.14	10.86	12.67
25	.0179	4.51	5.16	5.80	6.44	7.08	7.73	8.37	9.01	9.66	11.27
26	.0159	4.00	4.58	5.15	5.72	6.29	6.86	7.44	8.01	8.58	10.01
26	.015	3.78	4.32	4.86	5.40	5.94	6.48	7.02	7.56	8.10	9.45
27	.0142	3.58	4.09	4.60	5.11	5.62	6.13	6.64	7.15	7.67	8.95
28	.0126	3.18	3.63	4.09	4.54	4.99	5.45	5.90	6.36	6.81	8.00
28	.012	3.02	3.46	3.89	4.32	4.75	5.18	5.62	6.05	6.48	7.56
29	.0113	2.85	3.26	3.67	4.07	4.48	4.88	5.29	5.70	6.11	7.13
30	.010	2.52	2.88	3.24	3.60	3.96	4.32	4.68	5.04	5.40	6.30
31	.0089	2.24	2.56	2.88	3.20	3.52	3.84	4.16	4.48	4.80	5.60
32	.0079	2.02	2.30	2.59	2.88	3.17	3.46	3.74	4.03	4.32	5.04
32	.0075	1.89	2.16	2.43	2.70	2.97	3.24	3.51	3.78	4.05	
33	.0071	1.79	2.04	2.30	2.56	2.82	3.07	3.33	3.58		
34	.0063	1.59	1.82	2.05	2.27	2.50	2.72	2.95			
34	.006	1.51	1.73	1.95	2.16	2.38	2.59				
35	.0056	1.41	1.62	1.82	2.02	2.22					
36	.005	1.26	1.44	1.62	1.80						
37	.0045	1.13	1.30	1.46							
38	.004	1.01	1.15								
39	.0035	0.892									
39	.003										
42	.0025										
44	.002										
44	.0015										
50	.001										

To convert Pounds to Kilograms, multiply by .4536.  
To convert Feet to Meters, multiply by .3048.

Example from table:  
16 gauge/.010 = 1.83 lb per 1000 feet

1.83 pound	1000 feet
<u>x .3048</u>	<u>x .4536</u>
.83 kilogram	304.8 meters

16 gauge/.010 = .83 kilogram per 304.8 meters