

AWG線号表 AWG (American wire gauge) size table

AWGサイズ Gauge	SI単位 SI unit		インチ単位 Imperial unit		銅質量 Copper mass (kg/km)
	直径 Diameter (mm)	断面積 Cross-section (mm ²)	直径 Diameter (mil)	断面積 Cross-section (CM)	
4/0	11.68	107.2	460.0	211,600	953.0
3/0	10.40	85.03	409.6	167,772	755.9
2/0	9.266	67.42	364.8	133,079	599.4
1/0	8.254	53.49	324.9	105,560	475.5
1	7.343	42.41	289.3	83,694	377.0
2	6.544	33.63	257.6	66,358	299.0
3	5.827	26.66	229.4	52,624	237.0
4	5.189	21.15	204.3	41,738	188.0
5	4.621	16.77	181.9	33,088	149.1
6	4.115	13.30	162.0	26,244	118.2
7	3.665	10.55	144.3	20,822	93.79
8	3.264	8.368	128.5	16,512	74.39
9	2.906	6.632	114.4	13,087	58.96
10	2.588	5.262	101.9	10,384	46.78
11	2.305	4.172	90.74	8,234	37.09
12	2.053	3.309	80.81	6,530	29.42
13	1.828	2.625	71.96	5,178	23.33
14	1.628	2.081	64.08	4,106	18.50
15	1.450	1.650	57.07	3,257	14.67
16	1.291	1.309	50.82	2,583	11.64
17	1.150	1.037	45.26	2,048	9.219
18	1.024	0.8226	40.30	1,624	7.313
19	0.9116	0.6529	35.89	1,288	5.804
20	0.8118	0.5174	31.96	1,021	4.600
21	0.7229	0.4105	28.46	810.0	3.649
22	0.6438	0.3256	25.35	642.6	2.895
23	0.5733	0.2581	22.57	509.4	2.295
24	0.5106	0.2047	20.10	404.0	1.820
25	0.4547	0.1623	17.90	320.4	1.443
26	0.4094	0.1288	15.94	254.1	1.145
27	0.3606	0.1021	14.20	201.6	0.9077
28	0.3211	0.08097	12.64	159.8	0.7198
29	0.2859	0.06425	11.26	126.8	0.5712
30	0.2546	0.05097	10.03	100.6	0.4531
31	0.2268	0.04039	8.928	79.71	0.3591
32	0.2019	0.03203	7.950	63.20	0.2847
33	0.1798	0.02540	7.080	50.13	0.2258
34	0.1601	0.02014	6.305	39.75	0.1790
35	0.1426	0.01597	5.615	31.53	0.1427
36	0.1270	0.01267	5.000	25.00	0.1126
37	0.1131	0.01005	4.453	19.83	0.08934
38	0.1007	0.007968	3.965	15.72	0.07084
39	0.08969	0.006319	3.531	12.47	0.05618
40	0.07937	0.005012	3.145	9.891	0.04456
41	0.07113	0.003973	2.800	7.842	0.03532
42	0.06334	0.003151	2.494	6.219	0.02801
43	0.05541	0.002499	2.221	4.932	0.02222
44	0.05023	0.001982	1.978	3.911	0.01762
45	0.0473	0.001572	1.761	3.102	0.01398
46	0.03984	0.001246	1.568	2.460	0.01108
47	0.03547	0.0009884	1.397	1.951	0.008787
48	0.03159	0.0007838	1.244	1.547	0.006968
49	0.02813	0.0006216	1.108	1.227	0.005526
50	0.02505	0.0004929	0.9863	0.9728	0.004382

Note:

1. AWG (American wire gauge) 460milを4/0AWG, 5milを36AWGとし、その間を等比に39段階に分けたもの。AWG公比= $(460/5)^{-1/39} \approx 1/1.123$
2. 1mil=1/1000 inch=0.0254mm
3. CM: Circular mils (1CM=直径1milの円の面積) 1CM=0.0005067mm²