

電線構造に関するガイド

線番表

ゲージ			径		断面積			重量 kg/km		
mmG	AWG	SWG	mm	mil	mm ²	in ²	CM	銅	アルミ	
-	6/0	-	14.73	580.1	170.5	0.2643	336.500	1.516	460.4	
-	5/0	-	13.12	500.0	135.2	0.2096	266.900	1.202	365.0	
-	-	7/0	12.70	516.6	126.7	0.1964	250.000	1.126	342.1	
12	-	-	12.00	472.4	113.1	0.1753	223.200	1.005	305.4	
-	-	6/0	11.79	464.0	109.1	0.1691	215.300	969.9	294.6	
-	4/0	-	11.68	460.0	107.2	0.1662	211.600	953.0	289.4	
-	-	5/0	10.97	432.0	94.59	0.1466	186.600	840.9	255.4	
-	3/0	-	10.40	409.6	85.04	0.1318	167.800	756.0	229.6	
-	-	4/0	10.16	400.0	81.10	0.1257	160.000	721.0	219.0	
10	-	-	10.00	393.7	78.54	0.1217	155.000	698.2	212.1	
-	-	3/0	9.449	372.0	70.13	0.1087	138.400	623.5	189.4	
-	2/0	-	9.266	364.8	67.43	0.1045	133.100	599.5	182.1	
9	-	-	9.000	354.3	63.62	0.09861	125.600	565.6	171.8	
-	-	2/0	8.839	348.0	61.37	0.09512	121.100	545.6	165.7	
-	0	-	8.252	324.9	53.49	0.08291	105.600	475.5	144.4	
-	-	0	8.230	324.0	53.20	0.08245	105.000	472.9	143.6	
8	-	-	8.000	315.0	50.27	0.07791	99.210	446.9	135.7	
-	-	1	7.620	300.0	45.61	0.07069	90.000	405.5	123.1	
-	1	-	7.348	289.3	42.41	0.06573	83.690	377.0	114.5	
-	-	2	7.010	276.0	38.60	0.05983	76.180	343.2	104.2	
7	-	-	7.000	275.6	38.48	0.05964	75.940	342.1	103.9	
-	2	-	6.543	257.6	33.63	0.05212	66.360	299.0	90.80	
6.5	-	-	6.500	255.9	33.18	0.05143	65.480	295.0	89.59	
-	-	3	6.401	252.0	32.18	0.04988	63.500	286.1	86.89	
6	-	-	6.000	236.2	28.27	0.04382	55.790	251.3	76.33	
-	-	4	5.893	232.0	27.27	0.04227	53.820	242.4	73.63	
-	3	-	5.827	229.4	26.67	0.04133	52.620	237.1	72.01	
5.5	-	-	5.500	216.5	23.76	0.03683	46.890	211.2	64.15	
-	-	5	5.385	212.0	22.78	0.03530	44.940	202.5	61.51	
-	4	-	5.189	204.3	21.15	0.03278	41.740	188.0	57.11	
5	-	-	5.000	196.9	19.64	0.03041	38.760	174.6	53.03	
-	-	6	4.877	192.0	18.68	0.02895	36.860	166.1	50.44	
-	5	-	4.620	181.9	16.77	0.02599	33.090	149.0	45.25	
4.5	-	-	4.500	177.2	15.90	0.02464	31.380	141.4	42.93	
-	-	7	4.470	176.0	15.70	0.02433	30.980	139.6	42.39	
-	6	-	4.115	162.0	13.30	0.02061	26.240	118.2	35.91	
-	-	8	4.064	160.0	12.97	0.02011	25.600	115.3	35.02	
4	-	-	4.000	157.5	12.57	0.01948	24.810	111.7	33.94	
-	-	7	3.665	144.3	10.55	0.01635	20.820	93.79	28.49	
-	9	-	3.658	144.0	10.51	0.01629	20.740	93.43	28.38	
3.5	-	-	3.500	137.8	9.621	0.01491	18.900	85.53	25.98	
-	-	8	3.264	128.5	8.368	0.01297	16.510	74.39	22.59	
-	10	-	3.251	128.0	8.304	0.01287	16.380	73.82	22.42	
3.2	-	-	3.200	126.0	8.042	0.01246	15.870	71.49	21.71	
-	-	11	2.946	116.0	6.820	0.01057	13.460	60.63	18.41	
-	9	-	2.906	114.4	6.633	0.01028	13.090	58.97	17.91	
2.9	-	-	2.900	114.2	6.605	0.01024	13.040	58.72	17.83	
-	-	12	2.642	104.0	5.481	0.008495	10.820	48.73	14.80	
2.6	-	-	2.600	102.4	5.309	0.008228	10.480	47.20	14.33	
-	10	-	2.588	101.9	5.262	0.008155	10.380	46.78	14.21	
-	-	13	2.337	92.0	4.289	0.006648	8.464	38.13	11.58	
-	11	-	2.304	90.7	4.169	0.006461	8.226	37.06	11.26	
2.3	-	-	2.300	90.6	4.155	0.006440	8.200	36.94	11.22	
-	-	12	2.052	80.8	3.309	0.005128	6.529	29.42	8.934	
-	14	-	2.032	80.0	3.243	0.005027	6.400	28.83	8.756	
2.0	-	-	2.000	78.7	3.142	0.004870	6.201	27.93	8.483	
-	13	15	1.829	72.0	2.627	0.004072	5.184	23.35	7.093	
1.8	-	-	1.800	70.9	2.545	0.003945	5.023	22.63	6.872	
-	-	14	1.628	64.1	2.082	0.003227	4.109	18.51	5.621	
-	-	16	1.626	64.0	2.076	0.003217	4.096	18.46	5.605	
1.6	-	-	1.600	63.0	2.011	0.003117	3.969	17.88	5.430	
-	15	-	1.450	57.1	1.652	0.002561	3.260	14.69	4.460	
-	-	17	1.422	56.0	1.589	0.002463	3.136	14.13	4.290	
1.4	-	-	1.400	55.1	1.539	0.002385	3.037	13.68	4.155	
-	16	-	1.290	50.8	1.308	0.002027	2.581	11.63	3.532	

ゲージ			径		断面積			重量 kg/km		
mmG	AWG	SWG	mm	mil	mm ²	in ²	CM	銅	アルミ	
-	-	18	1.219	48.0	1.168	0.001910	2.304	10.38	3.154	
1.2	-	-	1.200	47.2	1.131	0.001753	2.232	10.05	3.054	
-	17	-	1.151	45.3	1.040	0.001612	2.052	9.246	2.808	
-	18	-	1.024	40.3	0.8233	0.001276	1.624	7.319	2.223	
-	-	19	1.016	40.0	0.8110	0.001257	1.600	7.210	2.190	
1.0	-	-	1.000	39.4	0.7854	0.001217	1.550	6.982	2.121	
-	-	20	0.9144	36.0	0.6568	0.001018	1.296	5.839	1.773	
-	19	-	0.9119	35.9	0.6529	0.001012	1.289	5.804	1.763	
0.9	-	-	0.8000	35.4	0.6362	0.0009861	1.256	5.656	1.718	
-	20	21	0.8128	32.0	0.5189	0.0008042	1.024	4.613	1.401	
0.8	-	-	0.8000	34.5	0.5027	0.0007791	992.1	4.469	1.357	
-	21	-	0.7239	28.5	0.4116	0.0006379	812.3	3.659	1.111	
-	-	22	0.7112	28.0	0.3973	0.0006158	784.0	3.532	1.073	
0.7	-	-	0.7000	27.6	0.3848	0.0005964	759.4	3.421	1.039	
0.65	-	-	0.6500	25.6	0.3318	0.0005143	654.8	2.950	0.8959	
-	22	-	0.6426	25.3	0.3243	0.0005027	640.1	2.883	0.8756	
-	-	23	0.6096	24.0	0.2919	0.0004524	576.0	2.595	0.7881	
0.60	-	-	0.6000	23.6	0.2827	0.0004282	557.9	2.513	0.7633	
-	23	-	0.5740	22.6	0.2589	0.0004012	510.8	2.302	0.6990	
-	-	24	0.5588	22.0	0.2452	0.0003801	484.0	2.180	0.6620	
0.55	-	-	0.5500	21.7	0.2376	0.0003683	468.9	2.112	0.6416	
-	24	-	0.5105	20.1	0.2047	0.0003173	404.0	1.820	0.5527	
-	-	25	0.5080	20.0	0.2027	0.0003142	400.0	1.802	0.5473	
0.50	-	-	0.5000	19.7	0.1964	0.0003044	387.6	1.746	0.5303	
-	-	26	0.4572	18.0	0.1642	0.0002545	324.0	1.460	0.4433	
-	25	-	0.4547	17.9	0.1624	0.0002517	320.4	1.444	0.4385	
0.45	-	-	0.4500	17.7	0.1590	0.0002464	313.8	1.414	0.4293	
-	-	27	0.4166	16.4	0.1363	0.0002112	269.0	1.212	0.3680	
-	26	-	0.4039	15.9	0.1281	0.0001986	252.8	1.139	0.3459	
0.40	-	-	0.4000	15.7	0.1257	0.0001948	248.1	1.117	0.3394	
-	-	28	0.3759	14.8	0.1110	0.0001720	219.0	0.9868	0.2997	
-	27	-	0.3607	14.2	0.1022	0.0001584	201.6	0.9086	0.2759	
0.35	-	-	0.3500	13.8	0.09621	0.0001491	189.9	0.8553	0.2598	
-	-	29	0.3454	13.6	0.09375	0.0001453	185.0	0.8334	0.2531	
-	28	-	0.3200	12.6	0.08046	0.0001247	158.8	0.7153	0.2172	
0.32	-	-	0.3200	12.6	0.08042	0.0001246	158.7	0.7149	0.2171	
-	-	30	0.3150	12.4	0.07794	0.0001208	153.8	0.6929	0.2104	
-	-	31	0.2946	11.6	0.08620	0.0001057	134.6	0.6063	0.1841	
0.29	-	-	0.2900	11.4	0.06605	0.0001024	130.4	0.5872	0.1783	
-	29	-	0.2870	11.3	0.06471	0.0001003	127.7	0.5753	0.1747	
-	-	32	0.2743	10.8	0.05911	0.00009161	116.6	0.5255	0.1596	
0.26	-	-	0.2600	10.2	0.05309	0.00008228	104.8	0.4720	0.1433	
-	30	33	0.2540	10.0	0.05067	0.00007854	100.0	0.4505	0.1368	
-	-	34	0.2337	9.2	0.04289	0.00006648	84.64	0.3813	0.1158	
0.23	-	-	0.2300	9.1	0.04155	0.00006440	82.00	0.3694	0.1122	
-	31	-	0.2261	8.9	0.04014	0.00006221	79.21	0.3568	0.1084	
-	-	35	0.2134	8.4	0.03576	0.00005542	70.56	0.3179	0.09655	
-	32	-	0.2032	8.0	0.03243	0.00005027	64.00	0.2883	0.08756	
0.20	-	-	0.2000	7.9	0.03142	0.00004870	62.01	0.2793	0.08483	
-	-	36	0.1930	7.6	0.02927	0.00004536	57.76	0.2602	0.07903	
-	33	-	0.1803	7.1	0.02554	0.00003959	50.41	0.2271	0.06696	
0.18	-	-	0.1800	7.1	0.02545	0.00003915	50.23	0.2263	0.06872	
-	-	37	0.1727							