

AWG VS. METRIC WIRE SIZES

Circ. Mils	Equivalent Circ. Mils	Avg. Size	Metric Wire Size mm ²	Stranding/ Wire Diameter Per Strand		Approximate Overall Diameter		Circ. Mils	Equivalent Circ. Mils	Avg. Size	Metric Wire Size mm ²	Stranding/ Wire Diameter Per Strand		Approximate Overall Diameter	
				in	mm	in	mm					in	mm	in	mm
-	987	-	0.50	1/.032	1/.813	.032	0.81	83690	-	1	-	19/.0664	19/1.69	.332	8.43
1020	-	20	-	7/.0121	7/.307	.036	0.91	-	98680	-	50	19/.073	19/1.85	.365	9.27
-	1480	-	0.75	1/.039	1/.991	.039	0.99	105600	-	1/0	-	19/.0745	19/1.89	.373	9.46
1620	-	18	-	1/.0403	1/.1.02	.040	1.02	133100	-	2/0	-	19/.0837	19/2.13	.419	10.6
1620	-	18	-	7/.0152	7/.386	.046	1.16	-	138100	-	70	19/.086	19/2.18	.430	10.9
-	1974	-	1.0	1/.045	1/.1.14	.045	1.14	167800	-	3/0	-	19/.094	19/2.39	.470	11.9
-	1974	-	1.0	7/.017	7/.432	.051	1.30	167800	-	3/0	-	37/.0673	37/1.71	.471	12.0
2580	-	16	-	1/.0508	1/.1.29	.051	1.29	-	187500	-	95	19/.101	19/2.57	.505	12.8
2580	-	16	-	7/.0192	7/.488	.058	1.46	-	187500	-	95	37/.072	37/1.83	.504	12.8
-	2960	-	1.5	1/.055	1/.1.40	.055	1.40	211600	-	4/0	-	19/.1055	19/2.68	.528	13.4
-	2960	-	1.5	7/.021	7/.5.33	.063	1.60	-	237.8 MCM	-	120	37/.081	37/2.06	.567	14.4
4110	-	14	-	1/.0641	1/.1.63	.064	1.63	250 MCM	-	-	-	37/.0822	37/2.09	.575	14.6
4110	-	14	-	7/.0242	7/.615	.073	1.84	300 MCM	-	-	150	37/.090	37/2.29	.630	16.0
-	4934	-	2.5	1/.071	1/.1.80	.071	1.80	350 MCM	-	-	-	37/.0973	37/2.47	.681	17.3
-	4934	-	2.5	7/.027	7/.686	.081	2.06	-	365.1 MCM	-	185	37/.100	37/2.54	.700	17.8
6530	-	12	-	1/.0808	1/2.05	.081	2.05	400 MCM	-	-	-	37/.104	37/2.64	.728	18.5
6530	-	12	-	7/.0305	7/.775	.092	2.32	-	473.6 MCM	-	240	37/.114	37/2.90	.798	20.3
-	7894	-	4	1/.089	1/2.26	.089	2.26	-	473.6 MCM	-	240	61/.089	61/2.26	.801	20.3
-	7894	-	4	7/.034	7/.864	.102	2.59	500 MCM	-	-	-	37/.1162	37/2.95	.813	20.7
10380	-	10	-	1/.1019	1/2.59	.102	2.59	500 MCM	-	-	-	61/.0905	61/2.30	.814	20.7
10380	-	10	-	7/.0385	7/.978	.116	2.93	-	592.1 MCM	-	300	61/.099	61/2.51	.891	22.6
-	11840	-	6	1/.109	1/2.77	.109	2.77	600 MCM	-	-	-	61/.0992	61/2.52	.893	22.7
-	11840	-	6	7/.042	7/.1.07	.126	3.21	700 MCM	-	-	-	61/.1071	61/2.72	.964	24.5
13090	-	9	-	1/.1144	1/2.91	.1144	2.91	750 MCM	-	-	-	61/.1109	61/2.82	.998	25.4
13090	-	9	-	7/.0432	7/.1.10	.130	3.30	750 MCM	-	-	-	91/.0908	91/2.31	.999	25.4
16510	-	8	-	1/.1285	1/3.26	.128	3.26	-	789.4 MCM	-	400	61/.114	61/2.90	1.026	26.1
16510	-	8	-	7/.0486	7/.1.23	.146	3.70	800 MCM	-	-	-	61/.1145	61/2.91	1.031	26.2
-	19740	-	10	1/.141	1/3.58	.141	3.58	800 MCM	-	-	-	91/.0938	91/2.38	1.032	26.2
-	19740	-	10	7/.054	7/.1.37	.162	4.12	1000 MCM	986.8 MCM	-	500	61/.1280	61/3.25	1.152	29.3
20820	-	7	-	1/.1443	1/3.67	.144	3.67	1000 MCM	-	-	-	91/.1048	91/2.66	1.153	29.3
20820	-	7	-	7/.0545	7/.1.38	.164	4.15	-	1233.7 MCM	-	625	91/.117	91/2.97	1.287	32.7
26240	-	6	-	1/.162	1/4.11	.162	4.11	1250 MCM	-	-	-	91/.1172	91/2.98	1.289	32.7
26240	-	6	-	7/.0612	7/.1.55	.184	4.66	1250 MCM	-	-	-	127/.0992	127/2.52	1.290	32.8
-	31580	-	16	7/.068	7/.1.73	.204	5.18	1500 MCM	-	-	-	91/.1284	91/3.26	1.412	35.9
33090	-	5	-	7/.0688	7/.1.75	.206	5.24	1500 MCM	-	-	-	127/.1087	127/2.76	1.413	35.9
41740	-	4	-	7/.0772	7/.1.96	.232	5.88	-	1578.8 MCM	-	800	91/.132	91/3.35	1.452	36.9
-	49340	-	25	7/.085	7/2.16	.255	6.48	-	1973.5 MCM	-	1000	91/.147	91/3.73	1.617	41.1
-	49340	-	25	19/.052	19/1.32	.260	6.60	2000 MCM	-	-	-	127/.1255	127/3.19	1.632	41.5
52620	-	3	-	7/.0867	7/2.20	.260	6.61	2000 MCM	-	-	-	169/.1088	169/2.76	1.632	41.5
66360	-	2	-	7/.0974	7/2.47	.292	7.42	-	-	-	-	-	-	-	-
-	69070	-	35	7/.100	7/2.54	.300	7.62	-	-	-	-	-	-	-	-
-	69070	-	35	19/.061	19/1.55	.305	7.75	-	-	-	-	-	-	-	-



DIESEL LOCOMOTIVE CABLE

Conductor Stranding	Approx. Size Awg	Circular Mil Area	Conductor Diameter Inches
19/0117	16	2601	.060
19/27	14	3831	.070
19/25	12	6088	.090
27/24	10	10910	.123
37/24	8	14950	.140
61/24	6	24640	.180
91/24	5	36760	.220
105/24	4	42420	.240
125/24	3	50500	.260
150/24	2	60600	.325
225/24	1	90900	.390
275/24	1/0	111100	.420
325/24	2/0	131300	.460
450/24	3/0	181800	.565
550/24	4/0	222200	.590
650/24		262600	.660
775/24		313100	.740
925/24		373700	.790
1100/24		444400	.870
1325/24		535300	.940
1600/24		646400	1.025
1925/24		777700	1.120
2300/24		929200	1.230
2750/24		1111000	1.370