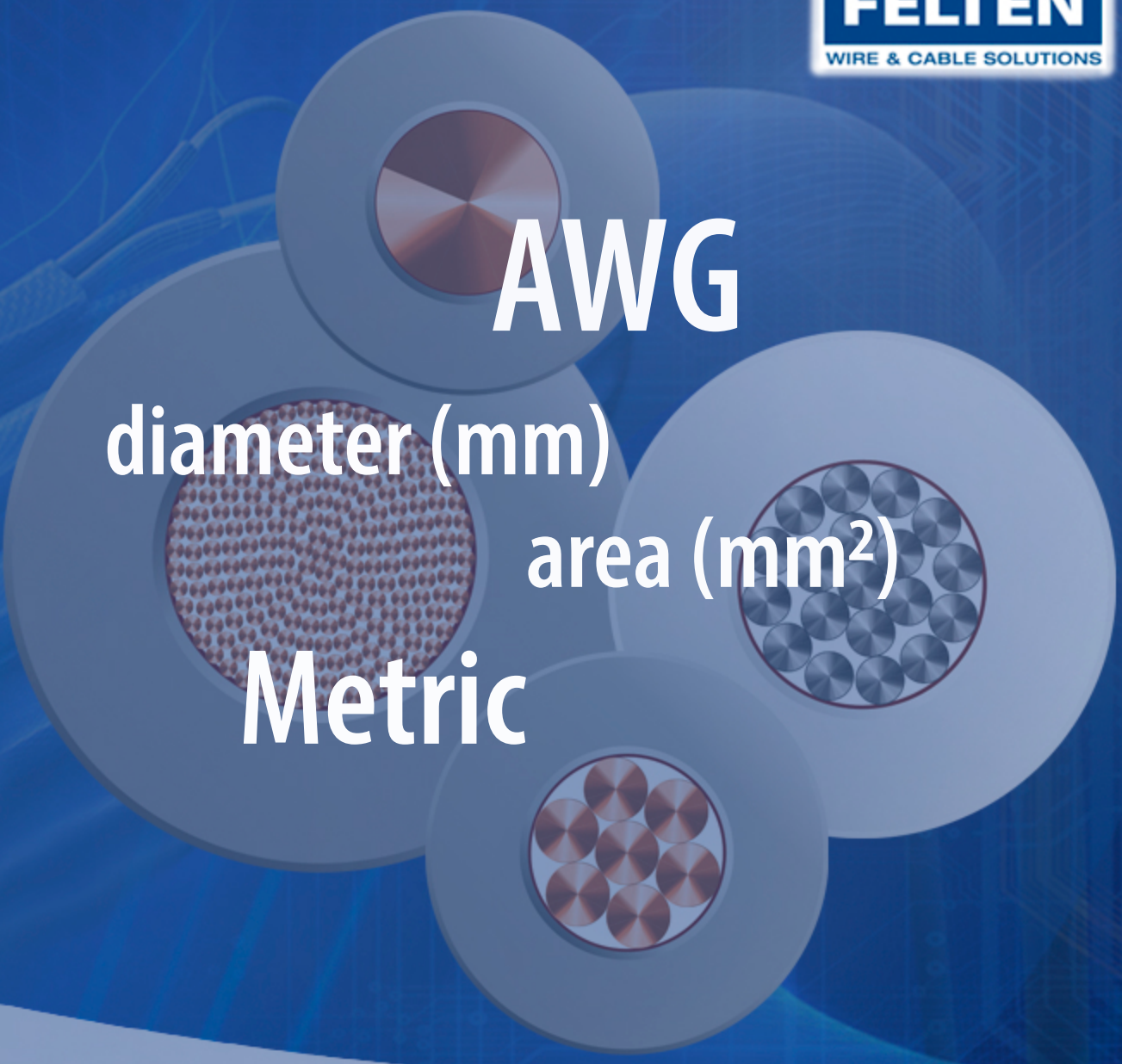




AWG
diameter (mm)
area (mm²)
Metric

**Conversion
chart AWG to mm²**

FELTEN Wire & Cable Solutions

Conversion chart AWG (American Wire Gauge) to



American Wire Gauge Table					
AWG	construction	Metric			
		diameter (mm)	area (mm²)	weight (kg/km)	resistance (0/km)
4	133 x AWG 25	6.480	21.6200	197.900	0.8
6	133 x AWG 27	5.140	13.6100	124.900	1.3
8	1 x AWG 8	3.260	8.3700	74.380	2.1
	133 x AWG 29	4.090	8.6000	79.020	2.0
10	1 x AWG 10	2.590	5.2600	46.770	3.3
	37 x AWG 26	2.800	4.7700	44.430	3.6
	91 x AWG 30	2.790	4.6100	41.490	3.7
12	1 x AWG 12	2.050	3.3100	29.460	5.2
	19 x AWG 25	2.270	3.0900	28.660	5.6
	37 x AWG 28	2.220	2.9800	27.880	5.8
	45 x 0.3 mm	2.450	3.1800	28.270	5.4
	91 x AWG 32	2.150	2.9500	27.610	5.8
13	1 x AWG 13	1.830	2.6300	23.360	6.6
14	1 x AWG 14	1.630	2.0800	18.450	8.3
	19 x AWG 27	1.700	1.9400	17.140	8.9
	27 x 0.3 mm	1.800	1.9100	16.980	9.0
	37 x AWG 30	1.780	1.8800	16.670	9.2
	61 x 0.203 mm	1.760	1.9100	18.500	9.0
15	1 x AWG 15	1.450	1.6500	14.680	10.4
16	1 x AWG 16	1.290	1.3100	11.620	13.2
	19 x AWG 29	1.360	1.2300	10.830	14.0
	19 x 0.3 mm	1.430	1.3400	11.860	12.9
	45 x AWG 32	1.500	1.4600	13.660	11.8
	61 x AWG 34	1.400	1.2300	11.465	14.0
	315 x AWG 41	1.600	1.2500	11.800	13.8
17	1 x AWG 17	1.150	1.0400	9.240	16.6
18	1 x AWG 18	1.020	0.8240	7.320	20.9
	7 x AWG 26	1.210	0.9010	8.250	19.1
	19 x AWG 30	1.210	0.9620	8.490	17.9
	45 x 0.165 mm	1.250	0.9620	8.980	17.9
	61 AWG 35	1.240	0.9660	9.000	17.8
19	1 x AWG 19	0.910	0.6530	5.800	26.4
20	1 x AWG 20	0.813	0.5180	4.610	33.3
	7 x AWG 28	0.960	0.5630	5.170	30.6
	19 x AWG 32	0.966	0.6160	5.420	28.0
	37 x AWG 35	0.970	0.5860	5.500	29.4
	45 x AWG 36	0.960	0.5700	5.340	30.2
	135 x AWG 41	0.950	0.5340	4.900	32.3
21	1 x AWG 21	0.724	0.4120	3.660	41.8
22	1 x AWG 22	0.643	0.3240	2.880	53.2
	7 x AWG 30	0.762	0.3550	3.260	48.6
	19 x AWG 34	0.762	0.3820	3.370	45.1
	37 x AWG 37	0.780	0.3780	3.600	45.6
	45 x AWG 38	0.750	0.3680	3.400	46.8
	72 x AWG 41	0.750	0.2850	2.600	60.5
23	1 x AWG 23	0.574	0.2590	2.290	66.6
24	1 x AWG 24	0.511	0.2050	1.820	84.1
	7 x AWG 32	0.609	0.2270	2.080	75.9
	19 x AWG 36	0.597	0.2410	2.120	71.5
	56 x AWG 41	0.600	0.2220	2.000	77.7
25	1 x AWG 25	0.455	0.1630	1.440	105.8

AWG	construction	Metric			
		diameter (mm)	area (mm²)	weight (kg/km)	resistance (0/km)
26	1 x AWG 26	0.404	0.1280	1.140	134.7
	7 x AWG 34	0.480	0.1410	1.290	122.3
	19 x AWG 38	0.483	0.1550	1.370	111.2
	33 x AWG 41	0.450	0.1300	1.160	132.6
27	1 x AWG 27	0.361	0.1020	0.910	169.0
28	1 x AWG 28	0.320	0.0800	0.720	215.5
	7 x AWG 36	0.381	0.0890	0.820	193.7
	19 x AWG 40	0.395	0.0930	0.860	185.4
29	1 x AWG 29	0.287	0.0650	0.580	265.2
30	1x AWG 30	0.254	0.0510	0.450	338.0
	7 x AWG 38	0.304	0.0570	0.530	302.5
	19 x AWG 40	0.315	0.0590	0.570	292.2
31	1 x AWG 31	0.226	0.0400	0.360	431.0
32	1 x AWG 32	0.203	0.0320	0.290	538.8
	7 x AWG 42	0.237	0.0340	0.320	507.1
	19 x AWG 44	0.250	0.0370	0.360	465.9
33	1 x AWG 33	0.180	0.0250	0.230	689.6
34	1 x AWG 34	0.160	0.0200	0.180	862.0
	7 x AWG 42	0.187	0.0220	0.210	783.6
35	1 x AWG 35	0.142	0.0160	0.140	1077.5
36	1 x AWG 36	0.127	0.0127	0.110	1357.5
	7 x AWG 44	0.150	0.0137	0.130	1258.4
37	1 x AWG 37	0.114	0.0102	0.090	1690.2
38	1 x AWG 38	0.102	0.0081	0.070	2128.4
	7 x AWG 46	0.120	0.0088	0.078	1959.1
39	1 x AWG 39	0.089	0.0062	0.060	2771.7
40	1 x AWG 40	0.079	0.0049	0.044	3518.4
	7 x AWG 48	0.090	0.0053	0.047	3265.2
41	1 x AWG 41	0.071	0.0040	0.035	4353.5
42	1 x AWG 42	0.063	0.0032	0.028	5455.7
	7 x AWG 50	0.075	0.0034	0.032	5070.6
43	1 x AWG 43	0.056	0.0025	0.022	7008.1
44	1 x AWG 44	0.050	0.0020	0.018	8492.6
	7 x AWG 52	0.060	0.0022	0.020	7836.4
46	1 x AWG 46	0.040	0.0013	0.011	13682.5
	1 x AWG 54	0.045	0.0012	0.011	13903.2
48	1 x AWG 48	0.031	0.0008	0.007	22986.7
50	1 x AWG 50	0.025	0.0005	0.004	35183.7
52	1 x AWG 52	0.020	0.0003	0.003	55612.9
54	1 x AWG 54	0.015	0.0002	0.002	101411.8