

Conversion of American Wire Gauge, AWG in mm²

In some industrial areas, the American Wire Gauge is also used for cables.
The following table serves the conversion from AWG in mm².

AWG	Wire structure [mm]	Wire-Ø [mm]	Wire-q* [mm ²]
30	1x0.25	0.25	0.05
	7x0.10	0.36	0.06
28	1x0.32	0.32	0.08
	7x0.13	0.38	0.09
26	1x0.4	0.40	0.13
	7x0.16	0.48	0.14
24	19x0.10	0.51	0.15
	1x0.51	0.51	0.21
	17x0.20	0.61	0.22
22	19x0.13	0.64	0.25
	1x0.64	0.64	0.33
	7x0.25	0.76	0.34
20	19x0.16	0.81	0.38
	1x0.81	0.81	0.52
	7x0.32	0.97	0.56
18	19x0.20	1.02	0.60
	1x1.02	1.02	0.82
	19x0.25	1.27	0.93
16	19x0.29	1.44	1.25
14	19x0.36	1.80	1.93
12	19x0.46	2.29	3.16
10	37x0.40	3.10	4.65

*q=cross section

It should be taken into consideration that wires with the same
AWG-Number but different structures show slightly different cross sections.