

# AWG-Wires and AWG-stranded conductors

## Conductor make-up, cross-section, resistance and weight

AWG No.	AWG-make-up n x AWG	conductor make-up mm	cross- section mm <sup>2</sup>	conductor outer-Ø mm	conductor resistance Ohm/km	conductor weight kg/km
12	solid	solid	3,31	2,05	5,4	29,46
12	7/20	7 x 0,813	3,63	2,438	4,8	32,30
12	19/25	19 x 0,455	3,09	2,369	5,6	27,50
12	65/30	65 x 0,254	3,292	2,413	5,7	29,29
12	165/34	165 x 0,160	3,316	2,413	5,2	29,51
10	solid	solid	5,26	2,59	3,4	46,81
10	37/26	37 x 0,404	4,74	2,921	3,6	42,18
10	49/27	49 x 0,363	5,068	2,946	3,6	45,10
10	105/30	105 x 0,254	5,317	2,946	3,2	47,32
8	49/25	49 x 0,455	7,963	3,734	2,2	70,87
8	133/29	133 x 0,287	8,604	3,734	2,0	76,57
8	655/36	655 x 0,127	8,297	3,734	2,0	73,84
6	133/27	133 x 0,363	13,764	4,676	1,5	122,49
6	259/30	259 x 0,254	13,123	4,674	1,3	116,79
6	1050/36	1050 x 0,127	13,316	4,674	1,3	118,51
4	133/25	133 x 0,455	21,625	5,898	0,80	192,46
4	259/27	259 x 0,363	26,804	5,898	0,66	238,55
4	1666/36	1666 x 0,127	21,104	5,898	0,82	187,82
2	133/23	133 x 0,574	34,416	7,417	0,50	306,30
2	259/26	259 x 0,404	33,201	7,417	0,52	295,49
2	665/30	665 x 0,254	33,696	7,417	0,52	299,89
2	2646/36	2646 x 0,127	33,518	7,417	0,52	298,31
1	133/22	133 x 0,643	43,187	8,331	0,40	384,37
1	259/25	259 x 0,455	42,112	8,331	0,41	374,80
1	817/30	817 x 0,254	41,397	8,331	0,42	368,43
1	2109/34	2109 x 0,160	42,403	8,331	0,41	377,39
1/0	133/21	133 x 0,724	54,774	9,347	0,31	487,28
1/0	259/24	259 x 0,511	53,116	9,347	0,32	472,73
2/0	133/20	133 x 0,813	69,043	10,516	0,25	614,48
2/0	259/23	259 x 0,574	67,021	10,516	0,25	596,49
3/0	259/22	259 x 0,643	84,102	11,786	0,20	748,51
3/0	427/24	427 x 0,511	87,570	11,786	0,19	779,37
4/0	259/21	259 x 0,724	106,626	13,259	0,16	948,97
4/0	427/23	427 x 0,574	110,494	13,259	0,15	983,39

## AWG-Wires (Solid-conductor)

AWG No.	Wire-Ø mm	AWG No.	Wire-Ø mm	AWG No.	Wire-Ø mm	AWG Nr.	Wire-Ø mm
44	0,050	28	0,320	14	1,628	1/0	8,252
41	0,070	27	0,363	13	1,829	2/0	9,266
40	0,079	26	0,404	12	2,052	3/0	10,404
39	0,089	25	0,455	11	2,304	4/0	11,684
38	0,102	24	0,511	10	2,588		
37	0,114	23	0,574	9	2,906		
36	0,127	22	0,643	8	3,268		
35	0,142	21	0,724	7	3,665		
34	0,160	20	0,813	6	4,115		
33	0,180	19	0,912	5	4,620		
32	0,203	18	1,024	4	5,189		
31	0,226	17	1,151	3	5,827		
30	0,254	16	1,290	2	6,543		
29	0,287	15	1,450	1	7,348		