



## All Aluminium Alloy Conductors ( AAAC ) DIN 48201 Part 6

Nominal area	Stranding		Conductor Diameter	Weight	Rated Strength	DC Resistance @ 20°C
	No. of Aluminium Wires	Individual wire diameter				
(mm <sup>2</sup> )	(No.)	(mm)	(mm)	(Kg/Km)	(KN)	(Ω/Km)
16	7	1.70	5.1	43.0	4.44	2.0910
25	7	2.10	6.3	66.0	6.77	1.3703
35	7	2.50	7.5	94.0	9.6	0.9669
50	7	3.00	9	135.0	13.82	0.6714
50	19	1.80	9	133.0	13.5	0.6905
70	19	2.10	10.5	181.0	18.38	0.5073
95	19	2.50	12.5	256.0	26.05	0.3579
120	19	2.80	14	322.0	32.68	0.2854
150	37	2.25	15.8	406.0	41.09	0.2274
185	37	2.50	17.5	500.0	50.73	0.1842
240	61	2.25	20.3	670.0	67.74	0.1383
300	61	2.50	22.5	827.0	83.63	0.1120
400	61	2.89	26	1104.0	111.76	0.0838
500	61	2.23	29.1	1379.0	139.6	0.0670
625	91	2.96	32.6	1732.0	174.9	0.0536
800	91	3.35	36.9	2218.0	224.02	0.0418
1000	91	3.74	41.1	2767.0	279.22	0.0336

**Note:** Current capacity based on referenced conductor temperature, 0.56 m/s wind, 0 m Elevation, 0.45 Emmissivity, 0.80 absorptivity, 45°C Ambient temperatures, 1045 W/m<sup>2</sup> Solar radiation