



All Aluminium Alloy Conductor (AAAC)

Conductor size	No. Of wires	Diameter or wire	Overall diameter of conductor	Linear weight	Rated strength	Maximum DC resistance at 20°C
sq.mm	Nos	mm	mm	kg/km	daN	Ohm/Km
16	7	1.7	5.1	43	444	2.091
25	7	2.1	6.3	66	677	1.3703
35	7	2.5	7.5	94	690	0.9669
50	7	3	9	135	1382	0.6714
70	19	2.1	10.5	181	1838	0.5073
95	19	2.5	12.5	256	2605	0.3579
120	19	2.8	14	322	3268	0.2854
150	37	2.25	15.8	406	4109	0.2274
185	37	2.5	17.5	500	5073	0.1842
240	61	2.25	20.3	670	6774	0.1383
300	61	2.5	22.5	827	8363	0.112
400	61	2.89	26	1104	11176	0.0838
500	61	3.23	29.1	1379	13960	0.06709
625	91	2.96	32.6	1732	17490	0.0540
800	91	3.35	36.9	2218	22402	0.0418