

All Aluminium Conductor (AAC) ASTM B231

Product code	Cross-sectional area	Stranding		Diameter of complete conductor	Approx. weight	Rated strength	Max. D.C. resistance of conductor @20°C
		No. of Aluminium wires	Individual wire diameter				
(mm ²)	(mm ²)	(No.)	(mm)	(mm)	(Kg/m)	KN	(Ω/Km)
Jessamine	885.84	61	4.30	38.70	2442	132.00	0.0324
Coreopsis	805.36	61	4.10	36.90	2216	120.00	0.0357
Gladiolus	766.55	61	4.00	36.00	2108	114.00	0.0375
Carnation	724.97	61	3.89	35.01	1997	108.00	0.0396
Columbine	684.55	61	3.78	34.02	1884	104.00	0.0420
Narcissus	645.29	61	3.67	33.03	1774	98.10	0.0445
Hawthorn	603.78	61	3.55	31.95	1662	93.50	0.0476
Marigold	563.65	61	3.43	30.87	1553	87.30	0.0510
Bluebell	524.89	37	4.25	29.75	1441	78.80	0.0547
Hawkweed	507.74	37	4.18	29.26	1395	76.20	0.0566
Magnolia	483.74	37	4.08	28.56	1553	76.20	0.0594
Goldenrod	484.48	61	3.18	28.62	1331	78.30	0.0593
Cockscomb	455.70	37	3.96	27.72	1256	72.60	0.0631
Arbutus	380.81	37	3.62	25.34	1109	61.80	0.0755
Petunia	362.11	37	3.53	24.71	1046	58.60	0.0794
Verbena	353.95	37	3.49	24.43	976	55.40	0.0812
Heuchera	330.03	37	3.37	23.59	907	51.70	0.0871
Orchid	322.24	37	3.33	23.31	887	50.40	0.0892
Meadowsweet	303.18	37	3.23	22.61	836	47.50	0.0948
Dahlia	282.37	19	4.35	21.75	776	43.30	0.1018
Zinnia	253.30	19	4.12	20.60	697	38.90	0.1134
Cosmos	241.16	19	4.02	20.10	665	37.00	0.1192
Goldentuft	228.14	19	3.91	19.55	628	35.00	0.1260
Canna	200.99	19	3.67	18.35	555	31.60	0.1430
Daisy	135.25	7	4.96	14.88	372	21.40	0.2125
Sneezewort	126.67	7	4.80	14.40	349	20.10	0.2268
Oxlip	107.41	7	4.42	13.26	295	17.00	0.2675
Phlox	84.91	7	3.93	11.79	234	13.50	0.3384
Aster	67.35	7	3.50	10.50	186	11.10	0.4266

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All Aluminium Conductor (AAC) EN 50182							
Nominal Aluminum area	Cross- sectional area	Stranding		Diameter of complete conductor	Approx. weight	Rated strength	Max. D.C. resistance of conductor @20°C
		No. of Aluminium wires	Individual wire diameter				
(mm ²)	(mm ²)	(No.)	(mm)	(mm)	(Kg/m)	KN	(Ω/Km)
24-AL1	24.20	7	2.10	6.30	66.3	4.36	1.1787
34-AL1	34.30	7	2.50	7.50	93.9	6.01	0.8317
49-AL1	49.50	7	3.00	9.00	135.2	8.41	0.5776
66-AL1	65.80	19	2.10	10.50	180.9	11.85	0.4367
93-AL1	93.90	19	2.50	12.50	256.3	16.32	0.3081
117-AL1	117.00	19	2.80	14.00	321.5	19.89	0.2456
147-AL1	147.10	37	2.25	15.80	405.7	26.48	0.1960
182-AL1	181.60	37	2.50	17.50	500.9	31.78	0.1588
243-AL1	242.50	61	2.25	20.30	671.1	43.66	0.1193
299-AL1	299.40	61	2.50	22.50	828.5	52.40	0.0966
400-AL1	400.10	61	2.89	26.00	1107.1	68.02	0.0723
452-AL1	451.50	61	3.07	27.60	1249.3	74.50	0.0641
500-AL1	499.80	61	3.23	29.10	1382.9	82.47	0.0579
625-AL1	626.20	91	2.96	32.60	1739.7	106.45	0.0464
800-AL1	802.10	91	3.35	36.90	2228.3	132.34	0.0363
1000-AL1	999.70	91	3.74	41.10	2777.3	159.95	0.0291

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All Aluminium Conductor (AAC) BS 215							
Nominal Aluminum area	Cross- sectional area	Stranding		Diameter of complete conductor	Approx. weight	Rated strength	Max. D.C. resistance of conductor @20°C
		No. of Aluminium wires	Individual wire diameter				
(mm ²)	(mm ²)	(No.)	(mm)	(mm)	(Kg/m)	KN	(Ω/Km)
22	23.33	7	2.06	6.18	64.0	3.99	1.2270
50	52.83	7	3.10	9.30	145.0	8.28	0.5419
60	63.55	7	3.40	10.20	174.0	9.90	0.4505
100	106.00	7	4.39	13.17	290.0	16.00	0.2702
150	157.60	19	3.25	16.25	434.0	25.70	0.1825
200	213.20	19	3.78	18.90	587.0	32.40	0.1349
250	265.70	19	4.22	21.10	731.0	40.40	0.1083
300	322.70	19	4.65	23.25	888.0	48.75	0.0892
400	415.20	37	3.78	26.46	1145.0	63.10	0.0694

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All Aluminium Conductor (AAC) IEC 61089

Nominal Aluminum area	Cross- sectional area	Stranding		Diameter of complete conductor	Approx. weight	Rated strength	Max. D.C. resistance of conductor @20°C
		No. of Aluminium wires	Individual wire diameter				
(mm ²)	(mm ²)	(No.)	(mm)	(mm)	(Kg/m)	KN	(Ω/Km)
10	10.02	7	1.35	4.05	27.4	1.95	2.8633
16	16.08	7	1.71	5.12	43.8	3.04	1.7896
25	24.94	7	2.13	6.40	68.4	4.50	1.1453
40	40.08	7	2.70	8.09	109.4	6.80	0.7158
63	63.18	7	3.39	10.20	172.3	10.39	0.4545
100	100.10	19	2.59	12.90	274.8	17.00	0.2877
125	124.64	19	2.89	14.50	343.6	21.25	0.2302
160	159.57	19	3.27	16.40	439.8	26.40	0.1798
200	199.90	19	3.66	18.30	549.7	32.00	0.1439
250	249.63	19	4.09	20.50	687.1	40.00	0.1151
315	314.55	37	3.29	23.00	867.9	51.97	0.0916
400	399.98	37	3.71	26.00	1102.0	64.00	0.0721
450	451.11	37	3.94	27.50	1239.8	72.00	0.0641
500	500.48	37	4.15	29.00	1377.6	80.00	0.0577
560	560.04	37	4.39	30.70	1542.9	89.60	0.0515
630	631.30	61	3.63	32.60	1738.3	100.80	0.0458
710	710.14	61	3.85	34.60	1959.1	113.60	0.0407
800	801.43	61	4.09	36.80	2207.4	128.00	0.0361
900	898.25	61	4.33	39.00	2483.3	144.00	0.0321
1000	1000.58	61	4.57	41.10	2759.2	160.00	0.0289
1120	1120.79	91	3.96	43.50	3093.5	179.20	0.0258
1250	1248.78	91	4.18	46.00	3452.6	200.00	0.0231
1400	1402.62	91	4.43	48.70	3866.9	224.00	0.0207
1500	1499.21	91	4.58	50.40	4143.1	240.00	0.0193

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