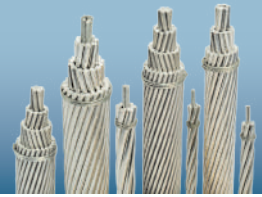


ALL ALUMINUM CONDUCTOR (AAC) - EN 50182

Nominal Area	Sectional Area	Stranding		Diameter of Complete Conductor	Conductor Weight	Rated Strength	DC Resistance @ 20°C	Current Capacity	
		No. of Wires	Individual wire diameter					@ 75°C	@ 85°C
								(mm ²)	(mm ²)
24-AL1	24.2	7	2.10	6.3	66.3	4.36	1.1787	104	123
34-AL1	34.3	7	2.50	7.5	93.9	6.01	0.8317	128	152
49-AL1	49.5	7	3.00	9	135.2	8.41	0.5776	159	191
66-AL1	65.8	19	2.10	10.5	180.9	11.85	0.4367	188	227
93-AL1	93.9	19	2.50	12.5	256.3	16.32	0.3081	231	280
117-AL1	117	19	2.80	14	321.5	19.89	0.2456	264	322
147-AL1	147.1	37	2.25	15.8	405.7	26.48	0.1960	301	369
182-AL1	181.6	37	2.50	17.5	500.9	31.78	0.1588	340	419
243-AL1	242.5	61	2.25	20.3	671.1	43.66	0.1193	401	498
299-AL1	299.4	61	2.50	22.5	828.5	52.4	0.0966	453	565
400-AL1	400.1	61	2.89	26	1107.1	68.02	0.0723	532	672
452-AL1	451.5	61	3.07	27.6	1249.3	74.5	0.0641	569	721
500-AL1	499.8	61	3.23	29.1	1382.9	82.47	0.0579	602	765
625-AL1	626.2	91	2.96	32.6	1739.7	106.45	0.0464	678	871
800-AL1	802.1	91	3.35	36.9	2228.3	132.34	0.0363	771	1001
1000-AL1	999.7	91	3.74	41.1	2777.3	159.95	0.0291	861	1130





ALL ALUMINUM CONDUCTOR (AAC) - EN 50182

Code name	Area Code	Nominal Area	Calculated Area	Stranding		Diameter of Complete Conductor	Conductor Weight	Rated Strength	DC Resistance @ 20°C
				No. of Aluminium	Individual wire diameter				
				(mm ²)	(mm ²)				
Midge	23-AL1	22	23.30	7	2.06	6.18	64.0	4.20	1.2249
Gnat	27-AL1	25	26.90	7	2.21	6.63	73.0	4.83	1.0643
Mosquito	37-AL1	35	36.90	7	2.59	7.77	101.0	6.27	0.7749
Ladybird	43-AL1	40	42.80	7	2.79	8.37	117.0	7.28	0.6678
Ant	53-AL1	50	52.80	7	3.10	9.30	144.0	8.72	0.5409
Fly	64-AL1	60	63.60	7	3.40	10.20	174.0	10.49	0.4497
Bluebottle	74-AL-1	70	73.60	7	3.66	11.00	201.0	11.78	0.388
Earwig	79-AL-1	75	78.60	7	3.78	11.30	215.0	12.57	0.3638
Grasshopper	84-AL-1	80	84.10	7	3.91	11.70	230.0	13.45	0.34
Clegg	96-AL1	90	95.60	7	4.17	12.50	261.0	15.30	0.2989
Wasp	106-AL1	100	106.00	7	3.39	13.40	290.0	16.95	0.2697
Bettle	106-AL1	100	106.00	19	2.67	13.20	292.0	18.08	0.2701
Bee	132-AL1	125	132.00	7	4.90	14.70	361.0	21.12	0.2165
Hornet	158-AL1	150	158.00	19	3.25	16.30	433.0	26.01	0.1823
Caterpillar	186-AL1	175	186.00	19	3.53	17.70	511.0	29.75	0.1546
Chafer	213-AL1	200	213.00	19	3.78	18.90	586.0	34.12	0.1348
Spider	238-AL1	225	238.00	19	3.99	20.00	653.0	38.01	0.121
Cockroach	266-AL1	250	266.00	19	4.22	21.10	730.0	42.52	0.1081
Butterfly	323-AL1	300	323.00	19	4.65	23.30	887.0	51.63	0.0891
Moth	373-AL1	350	373.00	19	5.00	25.00	1025.0	59.69	0.077
Drone	372-AL1	350	372.00	37	3.58	25.10	1027.0	59.59	0.0744
Centipede	415-AL1	400	415.00	37	3.78	26.50	1145.0	66.43	0.0695
Maybug	486-AL1	450	486.00	37	4.09	28.60	1341.0	77.78	0.0593
Scorpion	530-AL1	500	530.00	37	4.27	29.60	1461.0	84.77	0.0544
Cicada	628-AL1	600	628.00	37	4.65	32.60	1733.0	100.54	0.0459