



All Aluminium-Alloy Conductors (AAAC-AL3) EN 50182

Code	Old Code	Sectional Area	Stranding		Conductor Diameter	Weight	Rated Strength (Min)	DC Resistance @ 20°C
			No. of wires	Wire Size				
			mm ²	No.				
16-AL3	16	15.9	7	1.70	5.1	43.4	4.69	2.0701
24-AL3	25	24.25	7	2.10	6.3	66.2	7.15	1.3566
25-AL3	25	25.2	7	2.14	6.42	68.7	7.43	1.3064
34-AL3	35	34.36	7	2.50	7.5	93.8	10.14	0.9572
35-AL3	35/7	34.9	7	2.52	7.56	95.3	10.3	0.9421
48-AL3	50	48.3	19	1.80	9	132.7	14.26	0.6841
49-AL3	50	49.5	7	3.00	9	135.1	14.6	0.6647
49-AL3	50/7	49.5	7	3.00	9	135.1	14.6	0.6647
50-AL3	50	50	19	1.83	9.15	137.2	14.74	0.6619
50-AL3	50	50.1	7	3.02	9.06	136.9	14.79	0.6660
66-AL3	70	65.81	19	2.10	10.5	180.7	19.41	0.5026
68-AL3	70/19	68.3	19	2.14	10.7	187.6	20.16	0.4840
70-AL3	70	70.3	19	2.17	10.9	192.9	20.73	0.4707
93-AL3	95	93.3	19	2.50	12.5	256.0	27.51	0.3546
95-AL3	95	94.8	19	2.52	12.6	260.2	27.96	0.3490
117-AL3	120	117	19	2.80	14	321.2	34.51	0.2827
120-AL3	120	120.4	19	2.84	14.2	330.4	35.51	0.2748
125-AL3	120/19	125.5	19	2.90	14.5	344.5	37.02	0.2636
147-AL3	150	147.1	37	2.25	15.8	405.3	43.4	0.2256
150-AL3	150	149.7	37	2.27	15.9	412.5	44.17	0.2217
182-AL3	185	181.6	37	2.50	17.5	500.3	53.58	0.1827
185-AL3	185	184.5	37	2.52	17.6	508.4	54.44	0.1799
196-AL3	200/37	196.4	37	2.60	18.2	541.2	57.95	0.1690
239-AL3	240	239.4	37	2.87	20.1	659.4	70.61	0.1387
243-AL3	240	242.5	61	2.25	20.3	670.3	71.55	0.1373
244-AL3	240/37	244.4	37	2.90	20.3	673.3	72.1	0.1358
299-AL3	300	299.43	61	2.50	22.5	827.5	88.33	0.1112
301-AL3	300	301.3	37	3.22	22.5	830.0	88.88	0.1102
304-AL3	300/61	304.2	61	2.52	22.7	840.8	89.75	0.1094
400-AL3	400	400.14	61	2.89	26	1105.9	118.04	0.0832
403-AL3	400	402.9	61	2.90	26.1	1113.6	118.86	0.0826
452-AL3	450	451.54	61	3.07	27.6	1247.9	133.2	0.0737
497-AL3	500	496.7	61	3.22	29	1372.9	146.54	0.0670
500-AL3	500	499.8	61	3.23	29.1	1381.4	147.45	0.0666
551-AL3	550	550.6	61	3.39	30.5	1521.6	162.42	0.0605





All Aluminium-Alloy Conductors (AAAC-AL3) EN 50182

Code	Old Code	Sectional Area	Stranding		Conductor Diameter	Weight	Rated Strength (Min)	DC Resistance @ 20°C
			No. of wires	Wire Size				
		mm ²	No.	mm	mm	Kg/Km	KN	Ω/Km
19-AL3	BOX	18.8	7	1.85	5.55	51.4	5.55	1.7480
24-AL3	ACACIA	23.8	7	2.08	6.24	64.9	7.02	1.3828
30-AL3	ALMOND	30.1	7	2.34	7.02	82.2	8.88	1.0926
35-AL3	CEDAR	35.5	7	2.54	7.62	96.8	10.46	0.9273
42-AL3	DEODAR	42.2	7	2.77	8.31	115.2	12.44	0.7797
48-AL3	FIR	47.8	7	2.95	8.85	130.6	14.11	0.6875
60-AL3	HAZEL	59.9	7	3.30	9.9	163.4	17.66	0.5494
72-AL3	PINE	71.6	7	3.61	10.8	195.6	21.14	0.4591
84-AL3	HOLLY	84.1	7	3.91	11.7	229.5	24.79	0.3913
90-AL3	WILLOW	89.7	7	4.04	12.1	245.0	26.47	0.3665
119-AL3	OAK	118.9	7	4.65	14	324.5	35.07	0.2767
151-AL3	MULBERRY	150.9	19	3.18	15.9	414.3	44.52	0.2192
181-AL3	ASH	180.7	19	3.48	17.4	496.1	53.31	0.1830
211-AL3	ELM	211	19	3.76	18.8	579.2	62.24	0.1568
239-AL3	POPLAR	239.4	37	2.87	20.1	659.4	70.61	0.1387
303-AL3	SYCAMORE	303.2	37	3.23	22.6	835.2	89.4	0.1095
362-AL3	UPAS	362.1	37	3.53	24.7	997.5	106.82	0.0917
479-AL3	YEW	479	37	4.06	28.4	1319.6	141.31	0.0693
498-AL3	TOTARA	498.1	37	4.14	29	1372.1	146.93	0.0666
587-AL3	RUBUS	586.9	61	3.50	31.5	1622.0	173.13	0.0567
659-AL3	SORBUS	659.4	61	3.71	33.4	1822.5	194.53	0.0505
821-AL3	ARAUCARIA	821.1	61	4.14	37.3	2269.4	242.24	0.0406
996-AL3	REDWOOD	996.2	61	4.56	41	2753.2	293.88	0.0334

