

# AAC

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### All Aluminium conductors

Characteristics, according to the 50182:2001 Standard

Type AL1 – Spain

Code	Old code	Cross section	No. of wires	Diameter		Mass per unit of length	Assigned tensile strenght	Short-circuit resistance
				Wire	Conductor			
		mm <sup>2</sup>		mm	mm			
<b>28-AL1</b>	L 28	27,8	7	2,25	6,75	76,1	5,01	1,0268
<b>43-AL1</b>	L 40	43,1	7	2,8	8,4	117,8	7,33	0,663
<b>55-AL1</b>	L 56	54,6	7	3,15	9,45	149,1	9	0,5239
<b>76-AL1</b>	L 80	75,5	19	2,25	11,3	207,6	13,6	0,3804
<b>117-AL1</b>	L 110	117	19	2,8	14	321,5	19,89	0,2456
<b>148-AL1</b>	L 145	148,1	19	3,15	15,8	407	24,43	0,1941
<b>188-AL1</b>	L 180	188,1	19	3,55	17,8	516,9	30,09	0,1528
<b>279-AL1</b>	L 280	279,3	37	3,1	21,7	770,2	46,08	0,1033
<b>381-AL1</b>	L 400	381	61	2,82	25,4	1 054,1	64,77	0,0759
<b>454-AL1</b>	L 450	454,5	61	3,08	27,7	1 257,5	74,99	0,0637

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				Wire	Conductor			
		mm <sup>2</sup>		mm	mm			
<b>547-AL1</b>	L 550	547,3	61	3,38	30,4	1 514,4	90,31	0,0529
<b>638-AL1</b>	L 630	638,3	61	3,65	32,9	1 766	102,12	0,0453

NOTE – The external layer is wired in the “clockwise” direction (Z)