

# AAAC

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### ALL Aluminium ALLOY CONDUCTORS

Characteristics, according to the 50182:2001 Standard

Type AL2 – 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	kg / km	kN	Ω / km
28-AL2	D 28	27,8	7	2,25	6,75	76	9,05	1,193
43-AL2	D 40	43,1	7	2,8	8,4	117,7	14,01	0,7704
55-AL2	D 56	54,6	7	3,15	9,45	148,9	17,73	0,6087
76-AL2	D 80	75,5	19	2,25	11,3	207,4	24,55	0,442
117-AL2	D 110	117	19	2,8	14	321,2	38,02	0,2854
148-AL2	D 145	148,1	19	3,15	15,8	406,5	48,12	0,2255
188-AL2	D 180	188,1	19	3,55	17,8	516,3	59,24	0,1776
279-AL2	D 280	279,3	37	3,1	21,7	769,3	90,76	0,12
381-AL2	D 400	381	61	2,82	25,4	1 053,0	123,82	0,0882
454-AL2	D 450	454,5	61	3,08	27,7	1 256,1	147,71	0,074

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			
547-AL2	D 550	547,3	61	3,38	30,4	1 512,7	177,88	0,0614
638-AL2	D 630	638,3	61	3,65	32,9	1 764,0	201,06	0,0527

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