



ALL ALUMINIUM CONDUCTOR

IEC 61089 / ASTM B231

14 orderable sizes

STANDARD IEC 61089 / ASTM B231	CONDUCTOR All aluminium conductor	INSULATION / JACKET Bare conductor
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Construction

- 1 **Conductor** – Hard drawn aluminium conductor · 7 × Ø2.52 mm · IEC 60228 cl.2

Size selection — all available cross-sections

Cable reference	Conductor size	Stranding	Nominal diameter	Max DC resistance at 20 °C	Rated strength guide	Weight guide	Standard reference
AAC all aluminium conductor IEC 61089 AAC 16 mm ²	16 mm ²	7 aluminium wires	4.88 mm	1.77 Ω/km	1.9 kN	43 kg/km	IEC 61089 AAC
AAC all aluminium conductor IEC 61089 AAC 25 mm ²	25 mm ²	7 aluminium wires	6.10 mm	1.13 Ω/km	3 kN	68 kg/km	IEC 61089 AAC
AAC all aluminium conductor IEC 61089 AAC 35 mm ²	35 mm ²	7 aluminium wires	7.22 mm	0.81 Ω/km	4.2 kN	95 kg/km	IEC 61089 AAC
AAC all aluminium conductor IEC 61089 AAC 50 mm ²	50 mm ²	19 aluminium wires	8.63 mm	0.57 Ω/km	6 kN	135 kg/km	IEC 61089 AAC
AAC all aluminium conductor IEC 61089 AAC 70 mm ²	70 mm ²	19 aluminium wires	10.21 mm	0.40 Ω/km	8.4 kN	189 kg/km	IEC 61089 AAC
AAC all aluminium conductor IEC 61089 AAC 95 mm ²	95 mm ²	19 aluminium wires	11.89 mm	0.30 Ω/km	11.4 kN	257 kg/km	IEC 61089 AAC
AAC all aluminium conductor IEC 61089 AAC 120 mm ²	120 mm ²	19 aluminium wires	13.4 mm	0.236 Ω/km	14.4 kN	324 kg/km	IEC 61089 AAC
AAC all aluminium conductor IEC 61089 AAC 150 mm ²	150 mm ²	19 aluminium wires	14.9 mm	0.188 Ω/km	18 kN	405 kg/km	IEC 61089 AAC
AAC all aluminium conductor IEC 61089 AAC	185 mm ²	37 or 61 aluminium	16.6 mm	0.153 Ω/km	22.2 kN	500 kg/km	IEC 61089 AAC

Cable reference	Conductor size	Stranding	Nominal diameter	Max DC resistance at 20 °C	Rated strength guide	Weight guide	Standard reference
185 mm ²		wires					
AAC all aluminium conductor IEC 61089 AAC 240 mm ²	240 mm ²	37 or 61 aluminium wires	18.9 mm	0.118 Ω/km	28.8 kN	648 kg/km	IEC 61089 AAC
AAC all aluminium conductor IEC 61089 AAC 300 mm ²	300 mm ²	37 or 61 aluminium wires	21.1 mm	0.094 Ω/km	36 kN	810 kg/km	IEC 61089 AAC
AAC all aluminium conductor IEC 61089 AAC 400 mm ²	400 mm ²	37 or 61 aluminium wires	24.4 mm	0.071 Ω/km	48 kN	1080 kg/km	IEC 61089 AAC
AAC all aluminium conductor IEC 61089 AAC 500 mm ²	500 mm ²	37 or 61 aluminium wires	27.3 mm	0.057 Ω/km	60 kN	1350 kg/km	IEC 61089 AAC
AAC all aluminium conductor IEC 61089 AAC 630 mm ²	630 mm ²	37 or 61 aluminium wires	30.6 mm	0.045 Ω/km	75.6 kN	1701 kg/km	IEC 61089 AAC

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