



**STEEL REINFORCED ALUMINIUM CONDUCTOR**

IEC 61089 / ASTM B232

13 orderable sizes

<b>STANDARD</b> IEC 61089 / ASTM B232	<b>CONDUCTOR</b> Steel reinforced aluminium conductor	<b>INSULATION / JACKET</b> Bare conductor
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**Construction**

- 1  **Conductor** – Aluminium conductor with galvanized steel core · 37 × Ø3.21 mm · IEC 60228 cl.2
- 2  **Steel core** – Galvanised steel reinforcement

**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
ACSR aluminium conductor steel reinforced IEC 61089 ACSR 16 mm <sup>2</sup>	16 mm <sup>2</sup>	7 aluminium wires	4.88 mm	1.82 Ω/km	1.9 kN	43 kg/km	IEC 61089 ACSR
ACSR aluminium conductor steel reinforced IEC 61089 ACSR 25 mm <sup>2</sup>	25 mm <sup>2</sup>	7 aluminium wires	6.10 mm	1.16 Ω/km	3 kN	68 kg/km	IEC 61089 ACSR
ACSR aluminium conductor steel reinforced IEC 61089 ACSR 35 mm <sup>2</sup>	35 mm <sup>2</sup>	7 aluminium wires	7.22 mm	0.83 Ω/km	4.2 kN	95 kg/km	IEC 61089 ACSR
ACSR aluminium conductor steel reinforced IEC 61089 ACSR 50 mm <sup>2</sup>	50 mm <sup>2</sup>	19 aluminium wires	8.63 mm	0.58 Ω/km	6 kN	135 kg/km	IEC 61089 ACSR
ACSR aluminium conductor steel reinforced IEC 61089 ACSR 70 mm <sup>2</sup>	70 mm <sup>2</sup>	19 aluminium wires	10.21 mm	0.42 Ω/km	8.4 kN	189 kg/km	IEC 61089 ACSR
ACSR aluminium conductor steel reinforced IEC 61089 ACSR 95 mm <sup>2</sup>	95 mm <sup>2</sup>	19 aluminium wires	11.89 mm	0.31 Ω/km	11.4 kN	257 kg/km	IEC 61089 ACSR

Cable reference	Conductor size	Stranding	Nominal diameter	Max DC resistance at 20 °C	Rated strength guide	Weight guide	Standard reference
ACSR aluminium conductor steel reinforced IEC 61089 ACSR 120 mm <sup>2</sup>	120 mm <sup>2</sup>	19 aluminium wires	13.4 mm	0.243 Ω/km	14.4 kN	324 kg/km	IEC 61089 ACSR
ACSR aluminium conductor steel reinforced IEC 61089 ACSR 150 mm <sup>2</sup>	150 mm <sup>2</sup>	19 aluminium wires	14.9 mm	0.194 Ω/km	18 kN	405 kg/km	IEC 61089 ACSR
ACSR aluminium conductor steel reinforced IEC 61089 ACSR 185 mm <sup>2</sup>	185 mm <sup>2</sup>	37 or 61 aluminium wires	16.6 mm	0.157 Ω/km	22.2 kN	500 kg/km	IEC 61089 ACSR
ACSR aluminium conductor steel reinforced IEC 61089 ACSR 240 mm <sup>2</sup>	240 mm <sup>2</sup>	37 or 61 aluminium wires	18.9 mm	0.121 Ω/km	28.8 kN	648 kg/km	IEC 61089 ACSR
ACSR aluminium conductor steel reinforced IEC 61089 ACSR 300 mm <sup>2</sup>	300 mm <sup>2</sup>	37 or 61 aluminium wires	21.1 mm	0.097 Ω/km	36 kN	810 kg/km	IEC 61089 ACSR
ACSR aluminium conductor steel reinforced IEC 61089 ACSR 400 mm <sup>2</sup>	400 mm <sup>2</sup>	37 or 61 aluminium wires	24.4 mm	0.073 Ω/km	48 kN	1080 kg/km	IEC 61089 ACSR
ACSR aluminium conductor steel reinforced IEC 61089 ACSR 500 mm <sup>2</sup>	500 mm <sup>2</sup>	37 or 61 aluminium wires	27.3 mm	0.058 Ω/km	60 kN	1350 kg/km	IEC 61089 ACSR