



BATTERY AND WELDING LEAD CABLE

UL / SAE battery cable reference

8 orderable sizes

STANDARD UL / SAE battery cable reference	VOLTAGE CLASS 600 V	TEMPERATURE CLASS -40 °C to +105 °C guide by compound
CONDUCTOR Flexible copper battery and welding conductor	INSULATION / JACKET Oil and abrasion resistant EPDM jacket	

Construction

- 1** ■ **Conductor** – Flexible copper battery and welding conductor · 396 × Ø0.4 mm · IEC 60228 cl.5
- 2** ■ **Insulation** – EPDM or flexible elastomer insulation

Size selection — all available cross-sections

Cable reference	Welding duty	Conductor size	AWG / kcmil guide	Max DC resistance at 20 °C	OD guide	Cable weight	Welding current guide
600 V battery and welding cable 600 V Battery, starter and welding lead duty 1 core 6 mm ²	Battery, starter and welding lead duty	6 mm ²	10 AWG	3.1 Ω/km	9.3–10.3 mm	0.14 kg/m	60–85 A guide
600 V battery and welding cable 600 V Battery, starter and welding lead duty 1 core 10 mm ²	Battery, starter and welding lead duty	10 mm ²	8 AWG	1.83 Ω/km	10.3–11.3 mm	0.19 kg/m	80–110 A guide
600 V battery and welding cable 600 V Battery, starter and welding lead duty 1 core 16 mm ²	Battery, starter and welding lead duty	16 mm ²	6 AWG	1.15 Ω/km	11.5–12.5 mm	0.25 kg/m	110–150 A guide
600 V battery and welding cable 600 V Battery, starter and welding lead duty 1 core 25 mm ²	Battery, starter and welding lead duty	25 mm ²	4 AWG	0.727 Ω/km	12.9–13.9 mm	0.35 kg/m	150–200 A guide
600 V battery and welding cable 600 V	Battery, starter and	35 mm ²	2 AWG	0.524 Ω/km	14.3–15.3 mm	0.46 kg/m	200–260 A guide

Cable reference	Welding duty	Conductor size	AWG / kcmil guide	Max DC resistance at 20 °C	OD guide	Cable weight	Welding current guide
Battery, starter and welding lead duty 1 core 35 mm ²	welding lead duty				mm		
600 V battery and welding cable 600 V Battery, starter and welding lead duty 1 core 50 mm ²	Battery, starter and welding lead duty	50 mm ²	1/0 AWG	0.387 Ω/km	16.0–17.0 mm	0.62 kg/m	250–330 A guide
600 V battery and welding cable 600 V Battery, starter and welding lead duty 1 core 70 mm ²	Battery, starter and welding lead duty	70 mm ²	2/0 AWG	0.268 Ω/km	17.8–18.8 mm	0.84 kg/m	320–420 A guide
600 V battery and welding cable 600 V Battery, starter and welding lead duty 1 core 95 mm ²	Battery, starter and welding lead duty	95 mm ²	3/0 AWG	0.193 Ω/km	19.8–20.8 mm	1.11 kg/m	400–520 A guide

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