



BATTERY CABLE

SAE J1127

9 orderable sizes

STANDARD SAE J1127	VOLTAGE CLASS 60 V DC battery and starter circuits	TEMPERATURE CLASS -40 °C to +125 °C typical class
CONDUCTOR Bare or tinned copper conductor	INSULATION / JACKET Cross-linked polyethylene insulation	CROSS-SECTION RANGE 6 mm ² to 120 mm ²

Construction

- 1 ■ **Conductor** – Bare or tinned copper conductor · 276 × Ø0.4 mm
- 2 ■ **Insulation** – XLPE · Wall 1.0–1.2 mm

Size selection — all available cross-sections

Cable reference	Cross-section	Conductor construction	Max DC resistance at 20 °C (Ω/km)	Insulation wall guide (mm)	Overall diameter guide (mm)	Approx. cable weight (kg/km)	Bend radius guide
Battery Cable XLPE 6 mm ²	6 mm ²	84/0.30	3.1	0.8–1.0	4.98	66.1	40 mm moving guide
Battery Cable XLPE 10 mm ²	10 mm ²	80/0.40	1.83	0.8–1.0	5.90	105.5	48 mm moving guide
Battery Cable XLPE 16 mm ²	16 mm ²	126/0.40	1.15	0.8–1.0	6.99	163.3	56 mm moving guide
Battery Cable XLPE 25 mm ²	25 mm ²	196/0.40	0.727	1.0–1.2	8.69	254.6	70 mm moving guide
Battery Cable XLPE 35 mm ²	35 mm ²	276/0.40	0.524	1.0–1.2	9.88	350.6	80 mm moving guide
Battery Cable XLPE 50 mm ²	50 mm ²	396/0.40	0.387	1.0–1.2	11.38	494.1	92 mm moving guide
Battery Cable XLPE 70 mm ²	70 mm ²	360/0.50	0.268	1.0–1.2	13.06	682.8	105 mm moving

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Battery Cable XLPE 95 mm²	95 mm ²	475/0.50	0.193	1.0-1.2	14.85	919.3	119 mm moving guide
Battery Cable XLPE 120 mm²	120 mm ²	608/0.50	0.153	1.0-1.2	16.41	1153.9	132 mm moving guide

UE Cable · China — sales@uecable.com · uecable.com Confirm colour, printing, packing length, delivery country and test documents on enquiry.