

CABLE SOLUTIONS FOR AUTOMOTIVE AND E-MOBILITY

HIGH VOLTAGE SINGLE CORE CABLES

SILICABLE® FHLALR2GCB2G LV

Shielded single core

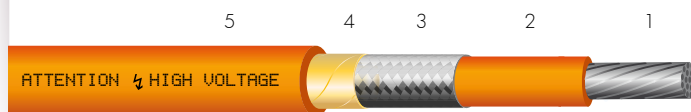
-40°C to +180°C

Class E according to ISO 6722-1

and LV 216-2

+180°C (3000 h)

+205°C (240 h)



- 1 • Flexible aluminium core according to ISO 6722-1, EN 13602 and LV 216-2
- 2 • Silicone insulation
- 3 • Tinned copper braid
- 4 • Aluminium / PET tape
- 5 • Silicone sheath

Approvals - standards*

- LV 216-2, ISO 6722-1, EN 13602
- IEC 60754-1 halogen free

Applications

- Single core silicone power cables for use in hybrid and electrical vehicles

Specific characteristics

- High Voltage requirements according to LV 216-2
- Voltage rating: 600 VAC / 1000 VDC
- Test voltage: 5 kV 5 minutes
- Sparktest: 8 kV
- Excellent flexibility
- Flame retardant

Colour code

- Orange
- (others on request)

CONSTRUCTION ACCORDING TO LV 216-2

Item code	Nominal cross section (mm²)	Flexibility	Nominal stranding (nb. x mm)	Conductor diameter max. (mm)	Insulation thickness min. (mm)	Single core outer diameter min. max. (mm) (mm)		Strand diameter screen max. (mm)	Sheath thickness min. (mm)	Cable outer diameter min. max. (mm) (mm)		Maximum linear resistance at 20°C (Ω/ km)
A2519001	10	Standard	50 x 0.52	4.50	0.48	5.40	6.00	0.16	0.70	8.20	8.80	3.030
A2519002	16		80 x 0.52	5.80	0.52	6.60	7.20	0.16	0.70	9.60	10.20	1.930
A2519003	25		126 x 0.52	7.20	0.64	8.20	8.80	0.21	0.75	11.60	12.20	1.230
A2519004	35		174 x 0.52	8.50	0.64	9.80	10.50	0.21	0.80	13.80	14.40	0.873
A2519005	50		250 x 0.52	10.50	0.71	11.50	12.20	0.21	0.80	15.20	15.80	0.613
A2519006	70		354 x 0.52	12.50	0.80	13.00	14.40	0.21	0.90	17.40	18.20	0.432
A2519007	95		468 x 0.52	14.80	0.90	15.80	17.20	0.26	0.92	20.10	20.90	0.327
A2519008	120		304 x 0.72	16.50	1.28	17.60	19.00	0.26	1.16	22.20	23.00	0.255

* Standards: our products comply with all or part of the requirements of standards quoted: contact us
Other cross-sections available on request

For this product, please contact:

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LES CABLES DE L'EXTREME

The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In some cases, for production purposes, a separating tape may be added between two successive layers. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force. For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories. ® Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.