

CABLE SOLUTIONS FOR AUTOMOTIVE AND E-MOBILITY

HIGH VOLTAGE SINGLE CORE CABLES

SILICABLE® FHLALR2GCB2G ISO

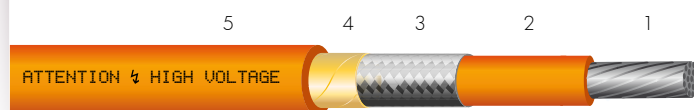
Shielded single core

-40°C to +180°C

**Class E according to ISO 6722-1
and ISO 19642-10**

+180°C (3000 h)

+205°C (240 h)



- 1 • Flexible aluminium core according to ISO 6722-1, ISO 19642-10 and EN 13602
- 2 • Silicone insulation
- 3 • Tinned copper braid
- 4 • Aluminium / PET tape
- 5 • Silicone sheath

Approvals - standards*

- ISO 19642-10, 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 ISO 19642
- Voltage rating: 1000 VAC / 1500 VDC
- Test voltage: 10 kV 5 minutes
- Sparktest: 8 kV
- Excellent flexibility
- Flame retardant

Colour code

- Orange
- (others on request)

CONSTRUCTION ACCORDING TO ISO 19642-10

Item code	Nominal cross section (mm ²)	Flexibility	Nominal stranding (nb. x mm)	Conductor diameter max. (mm)	Insulation thickness min. (mm)	Single core outer diameter		Strand diameter screen max. (mm)	Sheath thickness min. (mm)	Cable outer diameter		Maximum linear resistance at 20°C (Ω/ km)
						min. (mm)	max. (mm)			min. (mm)	max. (mm)	
A2518001	4	Flexible (-B)	30 x 0.42	2.80	0.32	3.40	3.70	0.16	0.32	4.50	5.10	7.850
A2518002	6		45 x 0.42	3.40	0.32	4.00	4.30	0.16	0.48	5.50	6.10	5.230
A2518003	10		50 x 0.52	4.50	0.48	5.30	6.00	0.19	0.52	7.50	8.10	3.030
A2518004	16		78 x 0.52	6.30	0.52	6.40	7.20	0.19	0.64	9.00	9.60	1.930
A2518005	25		122 x 0.52	7.80	0.52	7.90	8.70	0.21	0.72	10.70	11.30	1.240
A2518006	35		172 x 0.52	9.00	0.64	9.40	10.40	0.21	0.80	12.60	13.20	0.878
A2518007	50		247 x 0.52	10.50	0.71	11.00	12.20	0.21	0.88	14.60	15.20	0.613
A2518008	70		351 x 0.52	12.50	0.80	13.00	14.40	0.21	0.88	16.60	17.40	0.432
A2518009	95		463 x 0.52	14.80	0.90	15.30	16.70	0.26	0.88	19.10	19.90	0.327

* 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.