

CABLE SOLUTIONS FOR AUTOMOTIVE AND E-MOBILITY

HIGH VOLTAGE SINGLE CORE CABLES

SILICABLE® FHL2G LV

Single core

-40°C à +180°C

**Class E according to ISO 6722-1
and LV 216-1**

+180°C (3000 h)

+205°C (240 h)



Approvals - standards*

- LV 216-1, 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 216-1
- Voltage rating: 600 VAC / 1000 VDC
- Test voltage: 5 kV 5 minutes
- Sparktest: 8 kV
- Excellent flexibility
- Flame retardant
- Bending radius: 3 x D
- Compatible with SCHUNK Sonosystems ultrasonic welding systems

Colour code

- Orange
- (others on request)

CONSTRUCTION ACCORDING TO LV 216-1

Item code	Nominal cross section (mm²)	Flexibility	Nominal stranding (nb. x mm)	Conductor diameter max. (mm)	Insulation thickness min. (mm)	Cable outer diameter min. (mm) max. (mm)	Maximum linear resistance at 20°C (Ω/ km)
A2516001 A2517001	4	Standard Flexible	58 x 0.31 120 x 0.31	2.60	0.64	4.00 4.40	4.700
A2516002 A2517002	6	Standard Flexible	84 x 0.31 183 x 0.21	3.40	0.80	4.40 5.00	3.100
A2516003 A2517003	10	Standard Flexible	80 x 0.41 320 x 0.21	4.50	0.80	5.90 6.50	1.820
A2516004 A2517004	16	Standard Flexible	126 x 0.41 512 x 0.21	5.80	0.80	7.70 8.30	1.160
A2516005 A2517005	25	Standard Flexible	196 x 0.41 790 x 0.21	7.20	1.04	9.30 10.00	0.743
A2516006 A2517006	35	Standard Flexible	276 x 0.41 1 070 x 0.21	8.50	1.04	10.20 11.00	0.527
A2516007 A2517007	50	Standard Flexible	396 x 0.41 1 600 x 0.21	9.50	1.20	12.20 13.20	0.369
A2516008 A2517008	70	Standard Flexible	360 x 0.51 2 175 x 0.21	12.50	1.20	14.10 15.10	0.259
A2516009 A2517009	95	Standard Flexible	475 x 0.51 3 000 x 0.21	14.80	1.20	16.40 17.40	0.196
A2516010 A2517010	120	Standard Flexible	608 x 0.51 3 700 x 0.21	16.50	1.28	18.50 19.50	0.153

* 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.