

CABLE SOLUTIONS FOR AUTOMOTIVE AND E-MOBILITY

HIGH VOLTAGE SINGLE CORE CABLES

SILICABLE® FHLR2G LV

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)



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
- Bending radius: 3 x D
- Compatible with SCHUNK Sonosystems ultrasonic welding systems

Colour code

- Orange
- (others on request)

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ATTENTION ⚡ HIGH VOLTAGE

- 1 • Flexible bare copper core according to ISO 6722-1, EN 13602 and LV 216-2
- 2 • Silicone insulation

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)	Cable outer diameter min. (mm)	Cable outer diameter max. (mm)	Maximum linear resistance at 20°C (Ω/ km)
A2513001 A2512001	4	Standard Flexible	58 x 0.31 120 x 0.21	2.80	0.32	3.40	3.70	4.700
A2513002 A2512002	6	Standard Flexible	84 x 0.31 183 x 0.21	3.40	0.32	4.00	4.30	3.100
A2513003 A2512003	10	Standard Flexible	80 x 0.41 320 x 0.21	4.50	0.48	5.40	6.00	1.820
A2513004 A2512004	16	Standard Flexible	126 x 0.41 512 x 0.21	5.80	0.52	6.60	7.20	1.160
A2513005 A2512005	25	Standard Flexible	196 x 0.41 790 x 0.21	7.20	0.64	8.20	8.80	0.743
A2513006 A2512006	35	Standard Flexible	276 x 0.41 1 070 x 0.21	8.50	0.64	9.80	10.50	0.527
A2513007 A2512007	50	Standard Flexible	396 x 0.51 1 600 x 0.21	10.50	0.71	11.50	12.20	0.369
A2513008 A2512008	70	Standard Flexible	360 x 0.51 2 175 x 0.21	12.50	1.20	14.00	15.50	0.259
A2513009 A2512009	95	Standard Flexible	475 x 0.51 3 000 x 0.21	14.80	1.20	16.20	18.00	0.196
A2513010 A2512010	120	Standard Flexible	608 x 0.51 3 700 x 0.21	16.50	1.28	17.90	19.70	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

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