

SILICABLE®

FHLR2GCB2G LV216

Shielded single core

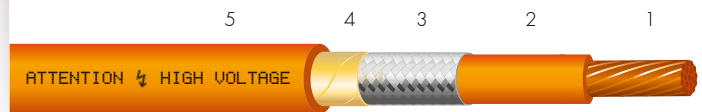
-40°C to +180°C

Class E according to ISO 6722-1

LV 216-2

+180°C (3000 h)

+205°C (240 h)



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

Approvals - standards*

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

Applications

- Single core silicone power cable 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

Colour code

- Orange
- (others on request)

CONSTRUCTION ACCORDING TO LV 216-2 TABLE A.2

Item code	Nominal cross section (mm ²)	Number & diameter of strands nom. /max. (nb. x mm)	Conductor diameter max. (mm)	Insulation thickness min. (mm)	Single core diameter		Strand diameter screen max. (mm)	Sheath thickness min. (mm)	Cable outside diameter		Linear core resistance at 20°C (Ω/ km)
					min. (mm)	max. (mm)			min. (mm)	max. (mm)	
A2510001	4	120 x 0.21	2.8	0.32	3.4	3.7	0.16	0.38	5.3	5.8	4.7
A2510002	6	183 x 0.21	3.4	0.32	4.0	4.3	0.16	0.46	6.0	6.5	3.1
A2510003	10	320 x 0.21	4.5	0.48	5.4	6.0	0.16	0.70	8.2	8.8	1.82
A2510004	16	512 x 0.21	5.8	0.52	6.6	7.2	0.16	0.70	9.6	10.2	1.16
A2510005	25	790 x 0.21	7.2	0.64	8.2	8.8	0.21	0.75	11.6	12.2	0.743
A2510006	35	1070 x 0.21	8.5	0.64	9.8	10.5	0.21	0.80	13.8	14.4	0.527
A2510007	50	1600 x 0.21	10.5	0.71	11.5	12.2	0.21	0.80	15.2	15.8	0.368
A2510008	70	2175 x 0.21	12.5	1.20	14.0	15.5	0.21	1.16	19.2	20.0	0.259
A2510009	95	3000 x 0.21	14.8	1.20	16.2	18.0	0.21	1.16	21.5	22.5	0.196
A2510010	120	3700 x 0.21	16.5	1.28	17.9	19.7	0.21	1.16	22.5	23.5	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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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.
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