

SILICABLE®
FHLR2G-C

Single core

-40°C to +180°C**Class E according to ISO 6722-1
and ISO 19642-5**

+180°C (3000 h)

+205°C (240 h)

Approvals - standards*

- ISO 19642-5, 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 ISO 19642
- **Cross-sections < 10 mm² :**
 - Voltage rating: 600 VAC / 900 VDC
 - Test voltage: 5 kV 5 minutes
 - Sparktest: 6 kV
- **Cross-sections ≥ 10 mm² :**
 - Voltage rating: 1000 VAC / 1500 VDC
 - Test voltage: 10 kV 5 minutes
 - Sparktest: 8 kV
- Excellent flexibility
- Flame retardant
- Bending radius: 3 x D

Colour code

- Orange
- (others on request)

2 1

ATTENTION ⚡ HIGH VOLTAGE

- 1 • Flexible bare copper core according to ISO 6722-1, ISO 19642-5 et EN 13602
- 2 • Silicone insulation

CONSTRUCTION ACCORDING TO ISO 6722-1 AND ISO 19642-5

Item code	Nominal cross section (mm ²)	Number & diameter of strands nom. /max. (nb. x mm)	Conductor diameter max. (mm)	Insulation thickness min. (mm)	Cable outside diameter		Maximum linear resistance at 20°C (Ω/ km)
					max. (mm)	min. (mm)	
A2511001	4	224 x 0.16	2.8	0.32	3.4	3.7	4.71
A2511002	6	320 x 0.16	3.4	0.32	4.0	4.3	3.14
A2511003	10	320 x 0.21	4.5	0.48	5.3	6.0	1.82
A2511004	16	512 x 0.21	6.3	0.52	6.4	7.2	1.16
A2511005	25	790 x 0.21	7.8	0.52	7.9	8.7	0.743
A2511006	35	1070 x 0.21	9.0	0.64	9.4	10.4	0.527
A2511007	50	1600 x 0.21	10.5	0.71	11.0	12.2	0.368
A2511008	70	2175 x 0,21	12.5	0.80	13.0	14.4	0.259
A2511009	95	3000 x 0,21	14.8	0.90	15.3	16.7	0.196

* 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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