

**SILICABLE®**  
**FHL2G-C**

Single core

**-40°C à +180°C****Class E according to ISO 6722-1  
and ISO 19642-5****+180°C (3000 h)****+205°C (240 h)**

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

**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
- 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)

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

Item code	Nominal cross section (mm <sup>2</sup> )	Number & diameter of strands nom. /max. (nb. x mm)	Conductor diameter max. (mm)	Insulation thickness (mm)	Cable outside diameter		Maximum linear resistance at 20°C (Ω/ km)
					max. (mm)	min. (mm)	
A2504005	0.5	16 x 0.21	1.1	0.48	2.0	2.3	37.1
A2504001	0.75	24 x 0.21	1.3	0.48	2.2	2.5	24.7
A2504002	1	32 x 0.21	1.5	0.48	2.4	2.7	18.5
A2504003	1.5	30 x 0.26	1.8	0.48	2.7	3.0	12.7
A2504004	2.5	50 x 0.26	2.2	0.56	3.3	3.6	7.60
A2503005	4	224 x 0.16	2.8	0.64	4.0	4.4	4.71
A2503006	6	320 x 0.16	3.4	0.64	4.6	5.0	3.14
A2503007	10	320 x 0.21	4.5	0.80	5.9	6.5	1.82
A2503008	16	512 x 0.21	6.3	0.80	7.7	8.3	1.16
A2503009	25	790 x 0.21	7.8	1.04	9.4	10.4	0.743
A2503010	35	1070 x 0.21	9.0	1.04	9.6	11.6	0.527
A2503002	50	1600 x 0.21	10.5	1.20	11.5	13.5	0.368
A2503004	70	2175 x 0.21	12.5	1.20	13.5	15.5	0.259
A2503011	95	3000 x 0.21	14.8	1.28	16.0	18.0	0.196
A2503012	120	3700 x 0.21	16.5	1.28	17.7	19.7	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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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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