

CABLE SOLUTIONS
FOR AUTOMOTIVE AND E-MOBILITY

HIGH VOLTAGE CABLES

SILICABLE®
FHLR6YBCF2G

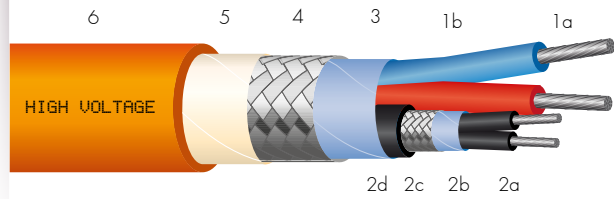
Shielded multicore

-40°C to +180°C

**Class E according to ISO 6722-1
and ISO 19642-1**

+180°C (3000 h)

+205°C (240 h)



2 x 4 mm² conductors

- 1a • Tinned copper cores 4 mm² according to ISO 6722-1, ISO 19642-5 and EN 13602
- 1b • FEP insulation

2 x 0.5 mm² shielded twisted pair

- 2a • Tinned copper cores 0.5 mm² according to ISO 6722-1, ISO 19642-5 and EN 13602
- 2b • FEP insulation
- 2c • Double shielding: aluminium / PET tape and tinned copper braid
- 2d • FEP sheath

- 3 • Aluminium / PET tape
- 4 • Tinned copper braid
- 5 • PET tape
- 6 • External silicone sheath

Approvals - standards*

- ISO 19642-9, ISO 19642-5, ISO 6722-1, EN 13602

Applications

- Multicore silicone power cable for use in hybrid and electrical vehicles.

Specific characteristics

- High Voltage requirements according to ISO 19642
- Voltage rating: 600 VAC / 900 VDC
- Test voltage: 5 kV 5 minutes
- Sparktest: 6 kV
- Excellent flexibility
- Flame retardant

Colour code

- Orange (others on request)

CONSTRUCTION ACCORDING TO ISO 19642-9

Item code	Composition (mm ²)	Outside wire diameter		Cable outside diameter (mm)	Maximum linear resistance at 20°C (Ω / km)	
		4 mm ²	0.5 mm ²		4 mm ²	0.5 mm ²
G2504001	2 x 4 + 2 x 0.5	3.55	1.45	11.2	4.85	38.2

* 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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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 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.
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