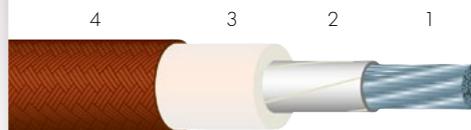


SILICOUL® ALU FLEX

3.7 kV

-60 °C to +180 °C

SILICONE INSULATED MEDIUM VOLTAGE
POWER CABLES WITH REINFORCING BRAID



- 1 • Flexible aluminium core.
- 2 • Facultative separating tape.
- 3 • Insulation: Silicone rubber.
- 4 • Reinforcement: Coated synthetic fibre braid.

Applications

- Cabling for rotating machines: motors, alternators, generators.
- Cabling for static machines: transformers, inductors, inverters, choppers.
- Power cabinets.

Options

- Electrical shielding:
 - > Tin-plated copper braid (ref. SILICOUL® ALU FLEX SCR 3.7 kV): contact us.
- Outer flexible armour:
 - > Galvanised steel braid (ref. SILICOUL® ALU FLEX BG 3.7 kV): contact us.
 - > Stainless steel braid (ref. SILICOUL® ALU FLEX BI 3.7 kV): contact us.
- Multi-conductor cable made up of an assembly of several single conductor cables SILICOUL® ALU FLEX 3.7 kV: contact us.
 - Other colours: contact us.
- Other nominal cross-sections: contact us.
 - Other options and/or combinations of the options outlined above: contact us.

Characteristics

General

- Continuous operating temperatures: -60 °C to +180 °C.
- Good resistance to oil and hydrocarbons.
- Good mechanical strength.

Electrical

- Rated voltage: 3.7 kV.
- Test voltage: 10 kV.

Standard products

- Standard insulation colour: white.
- Standard reinforcing braid colour: brown.

SILICOUL® ALU FLEX 3.7 kV

Flexible aluminium core			INSULATED WIRE OR CABLE	
Nominal cross-section	Maximal diameter of strands	Maximum linear resistance at 20 °C	Nominal diameter	Approximate linear weight
(mm ²)	(mm)	(Ω/km)	(mm)	(kg/km)
1.5	0.35	21.2	5.8	32
2.5	0.42	12.7	6.2	37
4	0.42	7.85	6.9	48
6	0.42	5.23	7.6	58
10	0.52	3.03	8.9	82
16	0.41	1.91	9.9	106
25	0.41	1.20	11.9	149
35	0.41	0.868	13.3	194
50	0.41	0.641	15.1	253
70	0.51	0.443	17.5	343
95	0.51	0.320	20.3	452
120	0.51	0.253	22.6	565
150	0.51	0.206	24.8	690
185	0.51	0.164	26.6	799
240	0.51	0.125	29.6	1018
300	0.51	0.100	32.2	1210
400	0.51	0.0778	36.2	1567

For this product, please contact:

OMERIN division principale

Zone Industrielle - F 63600 Ambert

Tel. +33 (0)4 73 82 50 00 - Fax +33 (0)4 73 82 50 10

omerin@omerin.com

www.omerin.com

omerin
LES CABLES DE L'EXTREME

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.

© Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.