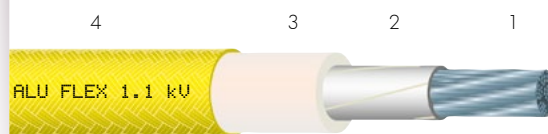


SILICOUL® ALU FLEX 1.1 kV -60 °C to +180 °C

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 1.1 kV): contact us.
 - Outer flexible armour:
 - > Galvanised steel braid (ref. SILICOUL® ALU FLEX BG 1.1 kV): contact us.
 - > Stainless steel braid (ref. SILICOUL® ALU FLEX BI 1.1 kV): contact us.
 - Multi-conductor cable made up of an assembly of several single conductor cables SILICOUL® ALU FLEX 1.1 kV: contact us.
 - Other markings: 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 temperature: -60 °C to +180 °C.
- Good resistance to oil and hydrocarbons.
- Good mechanical strength.

Electrical

- Rated voltage: 1.1 kV.
- Test voltage: 3.5 kV.

Standard products

- Standard insulation colour: white.
- Standard reinforcing braid colour: yellow.
- Standard marking: OMERIN – SILICOUL ALU FLEX 1.1 KV – {cross-section/mm²}

SILICOUL® ALU FLEX 1.1 kV

Flexible aluminium core			INSULATED WIRE OR CABLE	
Nominal cross-section (mm ²)	Maximal diameter of strands (mm)	Maximum linear resistance at 20 °C (Ω/km)	Nominal diameter (mm)	Approximate linear weight (kg/km)
1.5	0.35	21.2	3.8	16
2.5	0.42	12.7	4.2	20
4	0.42	7.85	4.9	28
6	0.42	5.23	6.0	38
10	0.52	3.03	7.3	58
16	0.41	1.91	8.5	82
25	0.41	1.20	10.5	121
35	0.41	0.868	11.9	158
50	0.41	0.641	13.9	222
70	0.51	0.443	16.1	300
95	0.51	0.320	18.3	388
120	0.51	0.253	21.2	508
150	0.51	0.206	23.6	634
185	0.51	0.164	25.6	752
240	0.51	0.125	28.8	979
300	0.51	0.100	31.2	1152
400	0.51	0.0778	35.4	1513

For this product, please contact:

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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.
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