

HIGH TEMPERATURE MEDIUM VOLTAGE POWER CABLES

SILICOUL® 6.6 kV

-60 °C to +180 °C



Approvals - standards

- Lloyd's Register approval certificates: compliance with the tests described as per standards IEC 60228, IEC 60092-350/354/360, IEC 60754-2, IEC 60332-1-1/2, IEC 60332-3-22 category A and IEC 60331-11/21.

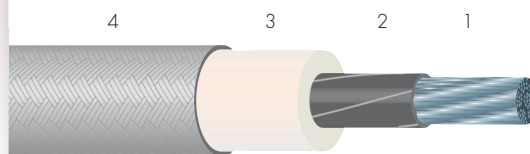
Applications

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

Options

- Extra-flexible tin-plated copper core class 6 as per IEC 60228: contact us.
- Flexible or extra-flexible bare copper, silver-plated or nickel-plated copper core – class 5 or 6 as per IEC 60228: contact us.
- Without reinforcing braid (ref. SILICOUL® ST 6.6 KV): contact us.
- Varnished synthetic fibre reinforcing braid (ref. SILICOUL® RI 6.6 KV): contact us.
- Very high temperature fibre reinforcing braid: contact us.
 - Outer flexible armour:
 - > Galvanised steel braid (ref. SILICOUL® BG 6.6 KV): contact us.
 - > Stainless steel braid (ref. SILICOUL® BI 6.6 KV): contact us.
- Multi-conductor cable made up of an assembly of several single conductor cables SILICOUL® 6.6 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.

SILICONE INSULATED MEDIUM VOLTAGE POWER CABLES WITH REINFORCING BRAID



- 1 • Flexible tin-plated copper core - class 5 as per IEC 60228.
- 2 • Semi-conductor tape(s).
- 3 • Insulation: Silicone rubber.
- 4 • Reinforcement: Coated synthetic fibre braid.

Characteristics General

- Continuous operating temperatures: -60 °C to +180 °C.
- Good resistance to thermal shock and UV.
- Excellent mechanical strength.

Electrical

- Rated voltage: 6.6 kV.
- Test voltage: 15 kV.

Standard products

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

SILICOUL® 6.6 kV

Flexible core • class 5 as per IEC 60228

Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
2.5	50 x 0.25	8.21
4	56 x 0.30	5.09
6	84 x 0.30	3.39
10	80 x 0.40	1.95
16	126 x 0.40	1.24
25	196 x 0.40	0.795
35	276 x 0.40	0.565
50	396 x 0.40	0.393
70	360 x 0.50	0.277
95	485 x 0.50	0.210
120	608 x 0.50	0.164
150	756 x 0.50	0.132
185	944 x 0.50	0.108
240	1221 x 0.50	0.0817
300	1525 x 0.50	0.0654
400	2037 x 0.50	0.0495

INSULATED WIRE OR CABLE

Nominal diameter (mm)	Approximate linear weight (kg/km)
7.7	68.1
8.3	86.2
9.2	114
10.4	166
11.6	227
13.1	325
14.6	425
16.7	583
18.3	759
20.9	995
23.0	1262
25.3	1555
26.9	1904
30.7	2522
32.9	3059
37.2	3999

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

omerin
LES CABLES DE L'EXTREME

www.omerin.com

® Registered trademark of the OMERIN Group. All information is indicative and may be modified without prior notice. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.