

HIGH TEMPERATURE MEDIUM VOLTAGE POWER CABLES

SILICOU[®] 1.1 kV

-60 °C to +180 °C



Approvals - standards

- Smoke classification F1 as per NF F 16-101.
- Bureau VERITAS approval certificates: compliance with the tests described as per standards IEC 60092-350/353/360, IEC 60228, IEC 60331-11/21, IEC 60332-1-1/2, IEC 60332-3-22 and IEC 60754-2.
- Lloyd's Register approval certificates: compliance with the tests described as per standards IEC 60228, IEC 60092-350/353/360, IEC 60754-2, IEC 60332-1-1/2, IEC 60332-3-22 category A and IEC 60331-11/21.

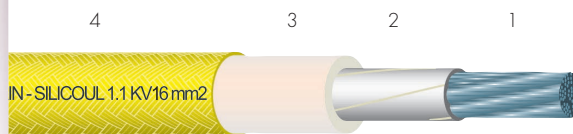
Applications

- 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. SILICOU[®] ST 1.1 KV): contact us.
- Varnished synthetic fibre reinforcing braid (ref. SILICOU[®] RI 1.1 KV): contact us.
- Very high temperature fibre reinforcing braid: contact us.
 - Outer flexible armour:
 - > Galvanised steel braid (ref. SILICOU[®] BG 1.1 KV): contact us.
 - > Stainless steel braid (ref. SILICOU[®] BI 1.1 KV): contact us.
- Multi-conductor cable made up of an assembly of several single conductor cables SILICOU[®] 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.

SILICONE INSULATED MEDIUM VOLTAGE POWER CABLES WITH REINFORCING BRAID



- 1 • Flexible tin-plated copper core - class 5 as per IEC 60228.
- 2 • Optional separating tape.
- 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: 1.1 kV.
- Test voltage: 3.5 kV.

Standard products

- Standard insulation colour: white.
 - Standard reinforcing braid colour: yellow.
 - Standard marking: OMERIN - SILICOU 1.1 KV - {cross-section}
- No printing on sections 1.5 mm² to 6 mm²

SILICOU[®] 1.1 kV

Flexible core • class 5 as per IEC 60228

Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
1.5	30 x 0.25	13.7
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)
3.8	23.5
4.3	34.0
4.9	48.9
6.0	71.7
7.2	117
8.6	174
10.4	268
11.9	360
14.1	512
15.9	686
18.2	914
20.7	1174
23.2	1457
25.2	1819
29.2	2448
31.6	2992
34.6	3837

For this product, please contact:

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LES CABLES DE L'EXTREME

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