

SILICOUL®

13.8 kV

- 60°C to + 180°C (class H)

CHARACTERISTICS

Physical-chemical

- Continuous working temperatures: - 60°C to + 180°C
Peaks at + 230°C.
- Good resistance to thermal shock and UV.
- Excellent ageing resistance.
- Good resistance to ozone and the corona effect.
- Excellent mechanical strength.
- Bending radius $\approx 5 \times d$.
- Compatible with most impregnation varnishes.

Electrical

- Working voltage: 15 kV.
- Test voltage: 30 kV.
- Max. permissible current:
consult our technical departments.

PRODUCTS

- All cross-sections: black.

PACKAGING

- Rolls, spools or drums.

OPTIONS

- UL approval, 15KV : style 3664.
- Other working voltages: SILICOUL® 1.1 kV, 3.7 kV, 6.6 kV.
- Version without reinforcing braid, ref. SILICOUL® ST: consult us.
- Other cross-sections: consult us.

- 1 - Flexible tinned copper core - class 5 - IEC 60228.
- 2 - Semi-conducting tape.
- 3 - Silicone rubber.
- 4 - Coated synthetic reinforcing braid.

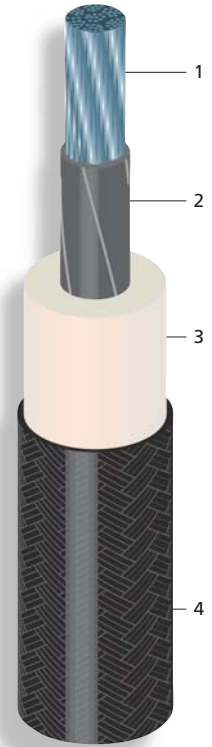
APPROVALS - STANDARDS

- F1 rated as per NF F 16-101.
- Type approval certificates for use in shipbuilding industry, IEC 60092-350 standards.
Lloyd's Register of Shipping.
- Fire behaviour : Meets requirements of IEC 60331-21, IEC 60332-1 et IEC 60332-3-22 tests.



APPLICATIONS

- Wiring of rotating machines: motors, alternators, generators.
- Wiring of static machines: transformers, inductors, inverters, choppers.
- Shipbuilding and railway construction.
- Power supply.



Uncontractual drawing

B

CORE

Nominal cross-section mm ²	Nominal stranding	Max. linear resistance at 20°C Ω/km
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 outer diameter mm	Approx. linear weight kg/km
11.8	175
13.0	232
14.2	303
15.7	407
17.2	522
18.9	690
20.7	907
22.7	1160
24.7	1415
27.4	1758
28.9	2050
32.7	2660
35.3	3330
39.6	4360