

SILICOUL®

3.7 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: 4.2 kV.
- Test voltage: 10 kV.
- Max. permissible current:
consult our technical departments.

PRODUCTS

- All cross-sections: brown.

PACKAGING

- Rolls, spools or drums.

OPTIONS

- UL approval, 4.2KV : style 3662.
- Other working voltages: SILICOUL® 1.1 kV, 6.6 kV, 13.8 kV.
- Version without reinforcing braid, ref. SILICOUL® ST: consult us.
- Other cross-sections: consult us.

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

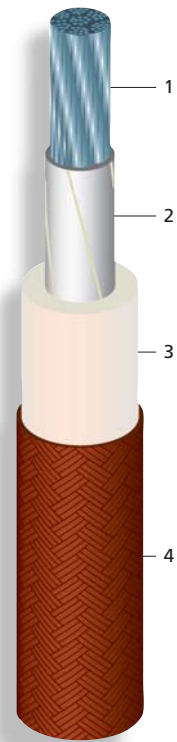
APPROVALS - STANDARDS

- 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 and IEC 60332-3-22 tests.



APPLICATIONS

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



Uncontractual drawing

B

CORE

Nominal cross-section mm ²	Nominal stranding	Max. 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

* : No separating tape

INSULATED WIRE OR CABLE

Nominal outer diameter mm	Approx. linear weight kg/km
6.2	57.0
6.8	75.0
7.8	102
9.0	150
10.2	212
11.8	305
13.2	413
15.4	575
17.0	782
19.8	1030
21.8	1290
24.0	1580
25.4	1890
29.2	2451
31.8	3120
35.8	4160