

# SILICOUL®

**6.6 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: 7.2 kV.
- Test voltage: 15 kV.
- Max. permissible current: consult our technical departments.

## PRODUCTS

- All cross-sections: grey.

## PACKAGING

- Rolls, spools or drums.

## OPTIONS

- UL approval, 7.2KV : style 3663.
- Other working voltages: SILICOUL® 1.1 kV, 3.7 kV, 13.8 kV.
- Version without reinforcing braid, ref. SILICOUL® ST: consult us.
- Other cross-sections: consult us.

- 1 - Flexible tinned copper core - class 5 - IEC 228.
- 2 - Semi-conducting tape.
- 3 - Silicone rubber.
- 4 - Coated synthetic reinforcing braid.

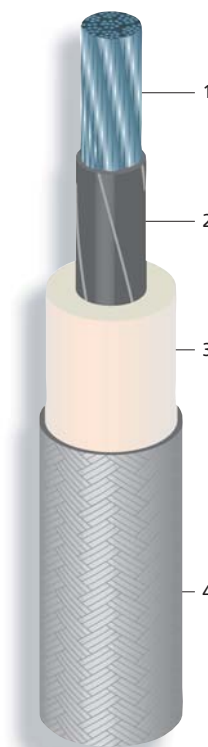
## APPROVALS - STANDARDS

- 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 and Bureau Veritas.
- Fire behaviour: Meets requirements of IEC 60331, IEC 60332-1 et IEC 60332-3 tests.



## APPLICATIONS

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



## CORE

Nominal cross-section mm <sup>2</sup>	Nominal stranding	Max. linear resistance at 20°C Ω/km
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 outer diameter mm	Max. linear weight kg/km
8.2	95.0
9.1	120
10.3	172
11.5	238
13.0	330
14.6	440
16.7	612
18.3	825
20.5	1060
22.6	1315
24.9	1630
26.4	1935
30.2	2510
32.9	3180
37.0	4210