

# SILICOU<sup>®</sup>

**1.1 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: 1.1 kV.
- Test voltage: 3.5 kV.
- Max. permissible current:  
consult our technical departments.

## PRODUCTS

- All cross-sections: yellow.

## PACKAGING

- Rolls, spools or drums.

## OPTIONS

- UL/CSA approval, 1.1KV : style 3661.
- Other working voltages: SILICOU<sup>®</sup> 3.7 kV, 6.6 kV, 13.8 kV.
- Version without reinforcing braid, ref. SILICOU<sup>®</sup> ST: consult us.
- Other cross-sections: consult us.

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

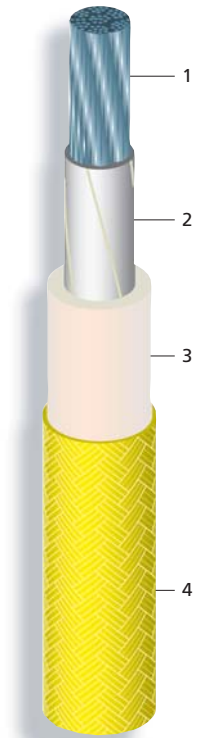
## APPROVALS - STANDARDS

- 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 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 machines: 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
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

Nominal outer diameter mm	Approx. linear weight kg/km
3.8	29.0
4.3	37.8
4.9	58.5
6.0	76.6
7.0	121
8.6	178
10.4	273
11.9	376
14.1	534
15.9	738
18.2	970
20.3	1220
22.8	1520
24.8	1850
28.8	2420
31.5	3095
34.6	4130