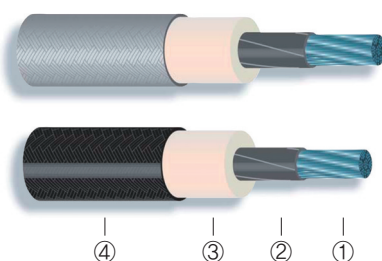
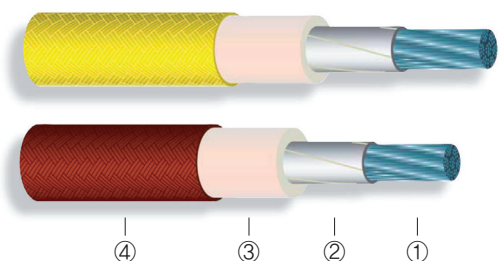


# Heat-Resistance Cables

**SILICOUL® -60°C to +180°C (class H)**

**RoHS**



## 1.1kV / 3.7kV

- ① Flexible tinned copper core – class 5 – IEC228.
- ② Separating tape.
- ③ Silicone rubber.
- ④ Coated synthetic reinforcing braid.

## 6.6kV / 13.8kV

- ① Flexible tinned copper core – class 5 – IEC228.
- ② Semi-conducting tape.
- ③ Silicone rubber.
- ④ Coated synthetic reinforcing braid.

## 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.

## Packaging

- Rolls, spools or drums.

## Applications

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

## Approvals - standards

- F1 rated as per NF F16-101.
- 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 and IEC 60332-3 tests.



### Core

### Insulated wire

Nominal cross-section mm <sup>2</sup>	Nominal stranding	Max. linear resistance at 20°C Ω/km	Insulated wire				Approx. linear weight kg/km			
			1.1V <sub>k</sub>	3.7V <sub>k</sub>	6.6V <sub>k</sub>	13.8V <sub>k</sub>	1.1V <sub>k</sub>	3.7V <sub>k</sub>	6.6V <sub>k</sub>	13.8V <sub>k</sub>
* 1.5	30 x 0.25	13.7	3.8				29.0			
* 2.5	50 x 0.25	8.21	4.3	6.2			37.8	57.0		
* 4	56 x 0.30	5.09	4.9	6.8	8.2		58.5	75.0	95.0	
6	84 x 0.30	3.39	6.0	7.8	9.1	11.8	76.6	102	120	175
10	80 x 0.40	1.95	7.0	9.0	10.3	13.0	121	150	172	232
16	126 x 0.40	1.24	8.6	10.2	11.5	14.2	178	212	238	303
25	196 x 0.40	0.795	10.4	11.8	13.0	15.7	273	305	330	407
35	276 x 0.40	0.565	11.9	13.2	14.6	17.2	376	413	440	522
50	396 x 0.40	0.393	14.1	15.4	16.7	18.9	534	575	612	690
70	360 x 0.50	0.277	15.9	17.0	18.3	20.7	738	782	825	907
95	485 x 0.50	0.210	18.2	19.8	20.5	22.7	970	1030	1060	1160
120	608 x 0.50	0.164	20.3	21.8	22.6	24.7	1220	1290	1315	1415
150	756 x 0.50	0.132	22.8	24.0	24.9	27.4	1520	1580	1630	1758
185	944 x 0.50	0.108	24.8	25.4	26.4	28.9	1850	1890	1935	2050
240	1221 x 0.50	0.0817	28.8	29.2	30.2	32.7	2420	2451	2510	2660
300	1525 x 0.50	0.0654	31.5	31.8	32.9	35.3	3095	3120	3180	3330
400	2037 x 0.50	0.0495	34.6	35.8	37.0	39.6	4130	4160	4210	4360

\* : No separating tape