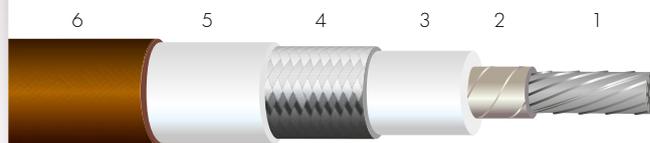


# SILICOUL® RI SCR 3.7 kV

-60 °C to +180 °C

SILICONE INSULATED MEDIUM VOLTAGE  
POWER CABLES WITH VARNISHED REINFORCING BRAID



- 1 • Flexible tin-plated copper core – class 5 as per IEC 60228.
- 2 • Facultative separating tape.
- 3 • Insulation: Silicone rubber.
- 4 • Electrical shielding: Tin-plated copper braid.
- 5 • Sheath: Silicone rubber.
- 6 • Reinforcement: Dry varnished synthetic fibre braid.

## Approvals - standards

- Compliance with the standards: IEC 60228, IEC 60331-11/21, IEC 60332-1-1/2, IEC 60332-3-22 category A and IEC 60754-2.

## Applications

- Switchboards, Power cabinets.
  - Battery energy storage.
- Cabling for static machines: transformers, inductors, inverters, choppers.
- Railway Industry (current collector, etc.).

## Options

- Extra-flexible tin-plated copper core – class 6 as per IEC 60228: contact us.
- Flexible or extra-flexible bare copper, silver-plated or nickel-plated copper core – class 5 or 6 as per IEC 60228: contact us.
  - Outer flexible armour:
    - > Galvanised steel braid (ref. SILICOUL® SCR BG 3.7 kV): contact us.
    - > Stainless steel braid (ref. SILICOUL® SCR BI 3.7 kV): contact us.
- Multi-conductor cable made up of an assembly of several single conductor cables SILICOUL® RI SCR 3.7 kV: contact us.
  - Outer marking: contact us.
  - Other colours: contact us.
- Other nominal cross-sections: contact us.
- Other options and/or combinations of the options outlined above: contact us.

## Characteristics

### General

- Continuous operating temperature : -60 °C to +180 °C.
- Good resistance to oil and hydrocarbons.
- Good mechanical strength.

### Electrical

- Rated voltage: 3.7 kV.
- Test voltage: 10 kV.

## Standard products

- Standard insulation colour: white.
- Standard sheath colour: white.
- Standard reinforcing braid colour: brown.

## SILICOUL® RI SCR 3.7 kV

### Flexible core • class 5 as per IEC 60228

Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Maximum 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 OR CABLE

Nominal diameter (mm)	Approximate linear weight (kg/km)
8.7	91
9.2	106
10.2	135
11.5	185
12.7	239
13.9	305
15.7	430
17.1	530
20.2	753
21.9	950
24.9	1241
27.3	1543
29.9	1888
31.7	2221
35.7	2973
38.3	3558
42.4	4518

For this product, please contact:

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The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In some cases, for production purposes, a separating tape may be added between two successive layers. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force. For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories. © Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.

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LES CABLES DE L'EXTREME