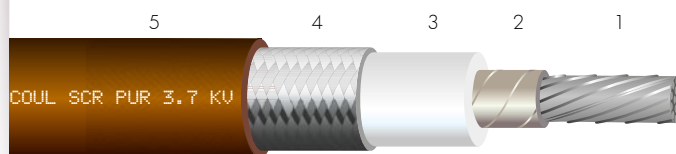


# SILICOUL® SCR PUR

## 3.7 kV

### -40 °C to +150 °C

SILICONE INSULATED AND POLYURETHANE SHEATHED  
MEDIUM VOLTAGE POWER CABLES



- 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: Polyurethane thermoplastic elastomer.

### Approvals - standards

- Compliance with the standard: IEC 60228.

### Applications

- All industrial applications for which power cables can be submitted to oil, hydrocarbons, humidity or mechanical forces.
  - Cabling for rotating machines: motors, alternators, generators.
  - Cabling for static machines: transformers, inductors, inverters, choppers.
    - Power cabinets.

### 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 PUR BG 3.7 kV): contact us.
    - > Stainless steel braid (ref. SILICOUL® SCR PUR BI 3.7 kV): contact us.
- Multi-conductor cable made up of an assembly of several single conductor cables SILICOUL® SCR PUR 3.7 kV: contact us.
  - Other markings: 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: -40 °C to +150 °C.
- Excellent resistance to oil and hydrocarbons.
- Good resistance to humidity.
- Excellent mechanical strength.

#### Electrical

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

### Standard products

- Standard insulation colour: white.
- Standard sheath colour: brown.
- Standard marking: OMERIN – SILICOUL SCR PUR 3.7 kV – {cross-section/mm<sup>2</sup>}

### SILICOUL® SCR PUR 3.7 kV

Flexible core • class 5 as per IEC 60228			INSULATED WIRE OR CABLE	
Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)	Nominal diameter (mm)	Approximate linear weight (kg/km)
1.5	30 x 0.25	13.7	8.1	85
2.5	50 x 0.25	8.21	8.6	100
4	56 x 0.30	5.09	9.2	120
6	84 x 0.30	3.39	10.2	164
10	80 x 0.40	1.95	11.4	212
16	126 x 0.40	1.24	12.6	275
25	196 x 0.40	0.795	14.4	395
35	276 x 0.40	0.565	16.0	499
50	396 x 0.40	0.393	18.3	696
70	360 x 0.50	0.277	20.2	898
95	485 x 0.50	0.210	22.8	1164
120	608 x 0.50	0.164	25.0	1433
150	756 x 0.50	0.132	27.2	1752
185	944 x 0.50	0.108	28.6	2057
240	1221 x 0.50	0.0817	32.8	2783
300	1525 x 0.50	0.0654	35.2	3347
400	2037 x 0.50	0.0495	39.1	4273

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 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.

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