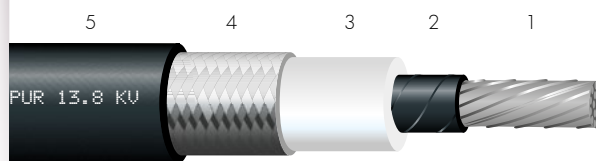


SILICOUL® SCR PUR

13.8 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 • Semi-conductor tape(s).
- 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 13.8 kV): contact us.
 - > Stainless steel braid (ref. SILICOUL® SCR PUR BI 13.8 kV): contact us.
- Multi-conductor cable made up of an assembly of several single conductor cables SILICOUL® SCR PUR 13.8 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: 13.8 kV.
- Test voltage: 30 kV.

Standard products

- Standard insulation colour: white.
- Standard sheath colour: black.
- Standard marking: OMERIN – SILICOUL SCR PUR 13.8 KV – {cross-section/mm²}

SILICOUL® SCR PUR 13.8 kV

Flexible core • class 5 as per IEC 60228			INSULATED WIRE OR CABLE	
Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)	Nominal diameter (mm)	Approximate linear weight (kg/km)
2.5	50 x 0.25	8.21	13.7	199
4	56 x 0.30	5.09	14.5	240
6	84 x 0.30	3.39	15.5	280
10	80 x 0.40	1.95	16.8	341
16	126 x 0.40	1.24	18.1	437
25	196 x 0.40	0.795	19.8	556
35	276 x 0.40	0.565	21.3	669
50	396 x 0.40	0.393	23.0	858
70	360 x 0.50	0.277	25.0	1080
95	485 x 0.50	0.210	26.9	1311
120	608 x 0.50	0.164	29.1	1593
150	756 x 0.50	0.132	32.0	2041
185	944 x 0.50	0.108	33.4	2355
240	1221 x 0.50	0.0817	37.4	3020
300	1525 x 0.50	0.0654	40.0	3614
400	2037 x 0.50	0.0495	44.7	4681

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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