

HIGH TEMPERATURE MEDIUM VOLTAGE
POWER CABLES**SILICOUL® ST PUR**
13.8 kV
-40 °C to +150°CSILICONE 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 • 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.
- Multi-conductor cable made up of an assembly of several single conductor cables SILICOUL® ST 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 ST PUR 13.8 kV – {cross-section/mm²}

SILICOUL® ST PUR 13.8 kV**Flexible core • class 5 as per IEC 60228**

Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
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)
11.2	136
12.4	168
13.4	206
14.7	264
16.0	338
17.5	449
19.0	559
20.9	733
22.7	943
24.8	1180
26.8	1449
29.7	1815
31.1	2127
35.1	2787
37.5	3363
41.8	4302

For this product, please contact:

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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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LES CABLES DE L'EXTREME