

HIGH TEMPERATURE MEDIUM VOLTAGE
POWER CABLES**SILICOUL® DI**
Style 3663 - 7.2 kV**UL approval**
-60 °C to +180 °C**Approvals - standards**

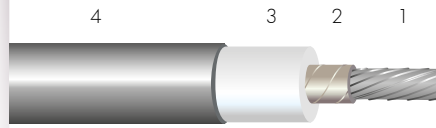
- UL approval (180 °C / 7200 V) as per UL 758 standard – File n°: E101965.
- Compliance with the standard: IEC 60228.
 - Horizontal flame as per UL approval.

Applications

- 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® DI Style 3663 – 7.2 kV: contact us.
 - Other colours: contact us.
 - Other nominal cross-sections: contact us.
- Other options and/or combinations of the options outlined above: contact us.

SILICONE INSULATED AND 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: Silicone rubber.

Characteristics**General**

- Continuous operating temperatures: -60 °C to +180 °C.
- Good resistance to usual chemical atmospheres.

Electrical

- Rated voltage: 7.2 kV.
- Test voltage: 15 kV.

Standard products

- Standard insulation colour: white.
- Standard sheath colour: grey.

SILICOUL® DI Style 3663 - 7.2 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	19 x 0.40*	7.56
4	32 x 0.40*	4.70
6	48 x 0.40*	3.11
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

INSULATED WIRE OR CABLE

Nominal diameter (mm)	Approximate linear weight (kg/km)
7.1	65
7.7	84
8.6	112
9.8	159
11.0	218
12.5	314
14.0	412
16.1	578
17.7	755
19.2	966
21.8	1224
23.0	1514
25.7	1843
29.5	2447
31.7	3001

* Tin-plated copper core – class 2 as per IEC 60228.

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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