

SILICOUL® Style 3662 - 4.2 kV

UL approval
-60 °C to +180 °C



Approvals - standards

- UL approval (180 °C / 4200 V) as per standard UL 758 – File no.: E101965.
- Compliance with the tests described as per standards IEC 60092-350/360, IEC 60331-11/21, IEC 60332-1-1/2, IEC 60332-3-22 category A and IEC 60754-2.
- Horizontal flame as per UL approval.

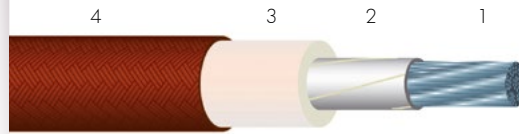
Applications

- Cabling for rotating machines: motors, alternators, generators.
- Cabling for static machines: transformers, inductors, inverters, choppers.
- Shipbuilding and railway construction.
- Power cabinets.

Options

- Flexible bare copper core class 5 as per IEC 60228: contact us.
- • Flexible or extra-flexible silver-plated or nickel-plated copper core - class 5 or 6 as per IEC 60228: contact us.
- Without reinforcing braid: contact us.
- Varnished synthetic fibre reinforcing braid: contact us.
- Very high temperature fibre reinforcing braid: contact us.
- • Multi-conductor cable made up of an assembly of several single conductor cables SILICOUL® Style 3662 4.2 KV: contact us.
- Other colours: contact us.
- Other nominal metric or American cross-sections: contact us.
- Other options and/or combinations of the options outlined above: contact us.

SILICONE INSULATED MEDIUM VOLTAGE POWER CABLES WITH REINFORCING BRAID



- 1 • Flexible tin-plated copper core - class 5 as per IEC 60228.
- 2 • Optional separating tape.
- 3 • Insulation: Silicone rubber.
- 4 • Reinforcement: Coated synthetic fibre braid.

Characteristics

General

- Continuous operating temperatures: -60 °C to +180 °C.
- Good resistance to thermal shock and UV.
- Excellent mechanical strength.

Electrical

- Rated voltage: 4.2 kV.
- Test voltage: 10 kV.

Standard products

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

Style 3662 - 4.2 kV

Flexible core • class 5 as per IEC 60228

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)
1.5	7 x 0.52*	12.2	5.5	39.4
2.5	19 x 0.40*	7.56	6.3	52.9
4	32 x 0.40*	4.70	6.9	72.2
6	48 x 0.40*	3.11	7.8	98.7
10	80 x 0.40	1.95	9.0	143
16	126 x 0.40	1.24	10.2	201
25	196 x 0.40	0.795	11.8	296
35	276 x 0.40	0.565	13.2	392
50	396 x 0.40	0.393	15.3	545
70	360 x 0.50	0.277	17.0	720
95	485 x 0.50	0.210	20.2	973
120	608 x 0.50	0.164	22.2	1233
150	756 x 0.50	0.132	24.4	1519
185	944 x 0.50	0.108	25.8	1856
240	1221 x 0.50	0.0817	29.6	2470
300	1525 x 0.50	0.0654	31.8	3004
400	2037 x 0.50	0.0495	35.7	3909

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

For this product, please contact:

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LES CABLES DE L'EXTREME

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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