

# SILICOUL® Style 3664 - 15 kV

UL approval  
-60 °C to +180 °C



## Approvals - standards

- UL approval (180 °C / 15000 V) as per standard UL 758 – File no.: E101965.
- Compliance with the tests described as per standard IEC 60092-350/354/360, 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.

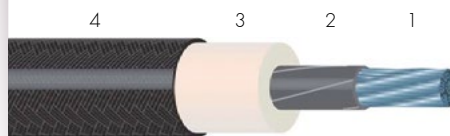
## Applications

- 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 3664 15 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 • Semi-conductor tape(s).
- 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: 15 kV.
- Test voltage: 30 kV.

## Standard products

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

## Style 3664 - 15 kV

### Flexible core • class 5 as per IEC 60228

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)
2.5	19 × 0.40*	7.56	10.6	116
4	32 × 0.40*	4.70	11.0	135
6	48 × 0.40*	3.11	11.8	167
10	80 × 0.40	1.95	13.1	224
16	126 × 0.40	1.24	14.2	287
25	196 × 0.40	0.795	15.7	390
35	276 × 0.40	0.565	17.2	496
50	396 × 0.40	0.393	18.9	649
70	360 × 0.50	0.277	21.3	847
95	485 × 0.50	0.210	23.2	1079
120	608 × 0.50	0.164	25.2	1349
150	756 × 0.50	0.132	27.9	1672
185	944 × 0.50	0.108	29.3	2017
240	1221 × 0.50	0.0817	33.1	2650
300	1525 × 0.50	0.0654	35.5	3209
400	2037 × 0.50	0.0495	39.6	4152

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

For this product, please contact:

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**omerin**  
LES CABLES DE L'EXTREME

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