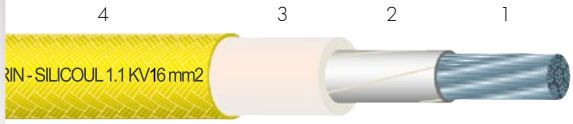
SILICONE INSULATED MEDIUM VOLTAGE
POWER CABLES WITH REINFORCING BRAID

SILICOUL®
Style 3661 - 1.1 kV

UL and cUL approval
-60 °C to +180 °C

C US



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.

Approvals - standards

- UL approval (180 °C / 1100 V) as per standard UL 758 – File no.: E101965.
- cUL approval (CSA 180 °C / 1000 V) as per standard C22.2 N° 210 – File no.: E101965.
- Compliance with the tests described as per standard IEC 60092-350/353/360, 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.
- FT1 and FT2 flame ratings as per cUL 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 single conductor cables SILICOUL® Style 3661 1.1 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.

Characteristics

General

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

Electrical

- Rated voltage: 1.1 kV.
- Test voltage: 3.5 kV.

Standard products

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

Style 3661 - 1.1 kV

Flexible core • class 5 as per IEC 60228			INSULATED WIRE OR CABLE	
Nominal cross-section (mm²)	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	3.8	24.7
2.5	19 x 0.40*	7.56	4.3	35.2
4	32 x 0.40*	4.70	4.9	52.4
6	48 x 0.40*	3.11	6.0	76.3
10	80 x 0.40	1.95	7.2	117
16	126 x 0.40	1.24	8.6	174
25	196 x 0.40	0.795	10.4	268
35	276 x 0.40	0.565	11.9	360
50	396 x 0.40	0.393	14.1	512
70	360 x 0.50	0.277	15.9	686
95	485 x 0.50	0.210	18.2	914
120	608 x 0.50	0.164	20.7	1174
150	756 x 0.50	0.132	23.2	1457
185	944 x 0.50	0.108	25.2	1819
240	1221 x 0.50	0.0817	29.2	2448
300	1525 x 0.50	0.0654	31.6	2992
400	2037 x 0.50	0.0495	34.6	3837

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

For this product, please contact:

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LES CABLES DE L'EXTREME

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