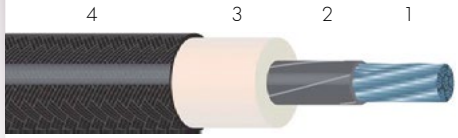
SILICONE INSULATED MEDIUM VOLTAGE
POWER CABLES WITH VARNISHED REINFORCING BRAID

SILICOUL®
RI Style 3664 - 15 kV

UL approval
-60°C to +180°C



1 • Flexible tin-plated copper core - class 5 as per IEC 60228.
2 • Semi-conductor tape(s).
3 • Insulation: Silicone rubber.
4 • Reinforcement: Dry varnished synthetic fibre braid.

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

• Switchboards, Power cabinets.
• Battery energy storage.
• Cabling for static machines: transformers, inductors, inverters, choppers.
• Railway Industry (current collector, etc.).

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.
• Coated 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® RI 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.

Characteristics

General

• Continuous operating temperatures: -60°C to +180°C.
• Bending radius: 5 x D.
• 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.

RI Style 3664 - 15 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)
2.5	19 x 0.40*	7.56	10.6	116
4	32 x 0.40*	4.70	11.0	135
6	48 x 0.40*	3.11	11.8	167
10	80 x 0.40	1.95	13.1	224
16	126 x 0.40	1.24	14.2	287
25	196 x 0.40	0.795	15.7	390
35	276 x 0.40	0.565	17.2	496
50	396 x 0.40	0.393	18.9	649
70	360 x 0.50	0.277	21.3	847
95	485 x 0.50	0.210	23.2	1079
120	608 x 0.50	0.164	25.2	1349
150	756 x 0.50	0.132	27.9	1672
185	944 x 0.50	0.108	29.3	2017
240	1221 x 0.50	0.0817	33.1	2650
300	1525 x 0.50	0.0654	35.5	3209
400	2037 x 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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LES CABLES DE L'EXTREME

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