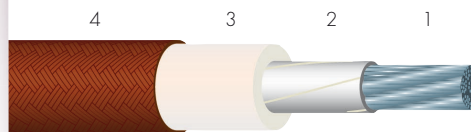


HIGH TEMPERATURE MEDIUM VOLTAGE POWER CABLES

SILICOU[®] 3.7 kV -60 °C to +180 °C



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.

Approvals - standards

- Lloyd's Register approval certificates: compliance with the tests described as per standards IEC 60228, IEC 60092-350/360, IEC 60754-2, IEC 60332-1-1/2, IEC 60332-3-22 category A and IEC 60331-11/21.

Applications

- Cabling for rotating machines: motors, alternators, generators.
- Cabling for static machines: transformers, inductors, inverters, choppers.
- Shipbuilding and railway construction.
- 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.
- Without reinforcing braid (ref. SILICOU[®] ST 3.7 KV): contact us.
- Varnished synthetic fibre reinforcing braid (ref. SILICOU[®] RI 3.7 KV): contact us.
- Very high temperature fibre reinforcing braid: contact us.
 - Outer flexible armour:
 - > Galvanised steel braid (ref. SILICOU[®] BG 3.7 KV): contact us.
 - > Stainless steel braid (ref. SILICOU[®] BI 3.7 KV): contact us.
- Multi-conductor cable made up of an assembly of several single conductor cables SILICOU[®] 3.7 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.

Characteristics

General

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

Electrical

- Rated voltage: 3.7 kV.
- Test voltage: 10 kV.

Standard products

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

SILICOU[®] 3.7 kV

Flexible core • class 5 as per IEC 60228

Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
1.5	30 × 0.25	13.7
2.5	50 × 0.25	8.21
4	56 × 0.30	5.09
6	84 × 0.30	3.39
10	80 × 0.40	1.95
16	126 × 0.40	1.24
25	196 × 0.40	0.795
35	276 × 0.40	0.565
50	396 × 0.40	0.393
70	360 × 0.50	0.277
95	485 × 0.50	0.210
120	608 × 0.50	0.164
150	756 × 0.50	0.132
185	944 × 0.50	0.108
240	1221 × 0.50	0.0817
300	1525 × 0.50	0.0654
400	2037 × 0.50	0.0495

INSULATED WIRE OR CABLE

Nominal diameter (mm)	Approximate linear weight (kg/km)
5.5	38.3
6.3	51.7
6.9	68.7
7.8	94.3
9.0	143
10.2	201
11.8	296
13.2	392
15.3	545
17.0	720
20.2	973
22.2	1233
24.4	1519
25.8	1856
29.6	2470
31.8	3004
35.7	3909

For this product, please contact:

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LES CABLES DE L'EXTREME

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