

HIGH TEMPERATURE WIRES AND CABLES
FOR THE GENERAL MARKET
SECTION III: COMPOSITE INSULATIONS

SILICABLE® CNVS

-60 °C to +280 °C



Approvals - standards

- Nickel-plated copper complying with the 2 % class as per standard ASTM B355.
 - VERITAS approval certificates:
 - > No. BV 153552.
 - > No. BV 256192.
- > No. BV 256096 – 2 hours at 400 °C.

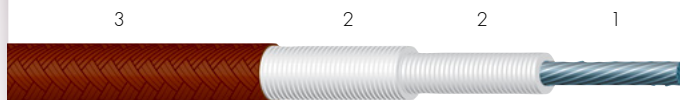
Applications

- Cabling for heating resistors, cartridges, bands and plates.
- Cabling for domestic electrical heating appliances kitchens, professional ovens, etc.
 - Machines for thermoplastics or rubber.
 - Industrial furnaces and air ovens.

Options

- Reduced outer diameters: ref. CNVSL.
- Nickel-plated copper complying with the 27% class as per standard ASTM B355 for reinforced oxidation resistance: contact us.
- Other nominal cross-sections: contact us.
 - Other options: contact us.

UNIPOLAR WIRES AND CABLES WITH COMPOSITE INSULATION



- Stranded or flexible nickel-plated copper core – class 2 or 5 as per IEC 60228.
- Impregnated fibreglass lappings.
- Silicone-coated fibreglass braid.

Characteristics

General

- Continuous operating temperatures: -60 °C to +280 °C.
- Good resistance to thermal shocks and oxidization.

Electrical

- Rated voltage: 300/500 V.
- Test voltage: 2000 V.

Standard products

- Standard colour: brown.
- Other colours on request including yellow/green.

Conducting core

Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
0.25*	8 x 0.20	87.2
0.5	7 x 0.30	36.7
0.75	11 x 0.30	24.8
1	14 x 0.30	18.2
1.5	21 x 0.30	12.2
2.5	35 x 0.30	7.56
4	56 x 0.30	5.09
6	84 x 0.30	3.39
10	80 x 0.40	1.95
16	126 x 0.40	1.24
25	196 x 0.40	0.795
35	276 x 0.40	0.565
50	396 x 0.40	0.393
70	543 x 0.40	0.277
95	740 x 0.40	0.210

INSULATED WIRE OR CABLE

Nominal diameter (mm)	Approximate linear weight (kg/km)
1.9	5.7
2.1	8.8
2.4	11.9
2.5	14.5
2.8	19.1
3.2	29.3
4.0	47.4
4.6	67.5
6.6	106
7.9	192
10.0	302
12.0	395
13.4	556
16.3	785
18.0	1032

* Nominal cross-sections not described in IEC 60228.

For this product, please contact:

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LES CABLES DE L'EXTREME