

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

# SILICABLE® NVAS

-60 °C to +450 °C



UNIPOLAR WIRES AND CABLES  
WITH COMPOSITE INSULATION



- 1 • Stranded or flexible nickel core.
- 2 • Impregnated fibreglass lappings.
- 3 • Silicone-coated mineral fibre braid.

## Approvals - standards

- Nickel type 200, as per standards DIN 17753, DIN 17740 and ASTM B160.
- VERITAS approval certificates:
  - > No. BV 153552.
  - > No. BV 256192.
- VDE test report no. 9296-5950-0001/32YAT F42/sld-Fc.

## 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.
- Heavy industry: foundries, steelworks, glassworks, etc.

## Options

- Fibreglass insulation for very high temperatures: ref. NVS-R (reduced outer diameters).
- Other nominal cross-sections: contact us.
  - Other options: contact us.

## Characteristics

### General

- Continuous operating temperatures: -60 °C to +450 °C.
- Excellent resistance to thermal shocks and oxidization of core.

### Electrical

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

## Standard products

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

### Conducting core

Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
0.25	8 x 0.20	503
0.5	7 x 0.30	229
0.75	11 x 0.30	156
1	14 x 0.30	115
1.5	21 x 0.30	77.2
2	29 x 0.30	58.0
2.5	35 x 0.30	47.2
4	56 x 0.30	31.5
6	84 x 0.30	21.0
10	140 x 0.30	12.1
16	224 x 0.30	7.72
25	354 x 0.30	4.97
35	495 x 0.30	3.53
50	707 x 0.30	2.46

### INSULATED WIRE OR CABLE

Nominal diameter (mm)	Approximate linear weight (kg/km)
2.2	8.5
2.5	10.4
2.7	12.9
3.2	17.9
3.4	24.2
3.6	30.6
4.0	34.9
4.5	49.2
5.0	71.5
8.0	138
9.0	205
10.6	300
13.0	401
14.4	578

For this product, please contact:

OMERIN division principale

Zone Industrielle - F 63600 Ambert

Tel. +33 (0)4 73 82 50 00 - Fax +33 (0)4 73 82 50 10

omerin@omerin.com

OMERIN division silisol

BP 87 - ZI du Devey - F 42000 Saint-Etienne

Tel. +33 (0)4 77 81 36 00 - Fax +33 (0)4 77 81 37 00

silisol@omerin.com

[www.omerin.com](http://www.omerin.com)

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LES CABLES DE L'EXTREME