

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			INSULATED WIRE OR CABLE	
Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)	Nominal diameter (mm)	Approximate linear weight (kg/km)
0.25	8 x 0.20	503	2.2	8.5
0.5	7 x 0.30	229	2.5	10.4
0.75	11 x 0.30	156	2.7	12.9
1	14 x 0.30	115	3.2	17.9
1.5	21 x 0.30	77.2	3.4	24.2
2	29 x 0.30	58.0	3.6	30.6
2.5	35 x 0.30	47.2	4.0	34.9
4	56 x 0.30	31.5	4.5	49.2
6	84 x 0.30	21.0	5.0	71.5
10	140 x 0.30	12.1	8.0	138
16	224 x 0.30	7.72	9.0	205
25	354 x 0.30	4.97	10.6	300
35	495 x 0.30	3.53	13.0	401
50	707 x 0.30	2.46	14.4	578

For this product, please contact:

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LES CABLES DE L'EXTREME

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