

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

# SILICABLE® VS

-60 °C to +280 °C



## Approvals - standards

- 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

- Solid bare copper core – class 1 as per IEC 60228: ref. RVS (see details of this option below).
- Tin-plated copper core: ref. EVS.
- Reduced outer diameters: ref. VSL.
- Other nominal cross-sections: contact us.
- Other nominal stranding: contact us.
- Other options: contact us.

## UNIPOLAR WIRES AND CABLES WITH COMPOSITE INSULATION



- 1 • Flexible bare copper core - class 5 as per IEC 60228.
- 2 • Impregnated fibreglass lappings.
- 3 • Silicone-coated fibreglass braid.

## Characteristics

### General

- Continuous operating temperatures: -60 °C to +280 °C.
- Good resistance to thermal shock.

### Electrical

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

## Standard products

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

### VS

#### Flexible core • Class 5 as per IEC 60228

Nominal cross-section (mm²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
0.25*	8 x 0.20	78.9
0.5	16 x 0.20	39.0
0.75	24 x 0.20	26.0
1	32 x 0.20	19.5
1.5	30 x 0.25	13.3
2.5	50 x 0.25	7.98
4	56 x 0.30	4.95
6	84 x 0.30	3.30
10	80 x 0.40	1.91
16	126 x 0.40	1.21
25	196 x 0.40	0.780
35	276 x 0.40	0.554
50	396 x 0.40	0.386
70	360 x 0.50	0.272
95	485 x 0.50	0.206
120	608 x 0.50	0.161
150	756 x 0.50	0.129
185	944 x 0.50	0.106
240	1221 x 0.50	0.0801

#### 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
19.5	1278
22.5	1629
24.4	1957
27.5	2569

### Option • RVS

#### Solid core • Class 1 as per IEC 60228

Nominal cross-section (mm²)	Nominal diameter (mm)	Maximum linear resistance at 20 °C (Ω/km)
0.5	1 x 0.80	36.0
0.75	1 x 0.98	24.5
1	1 x 1.13	18.1
1.5	1 x 1.38	12.1
2.5	1 x 1.77	7.41
4	1 x 2.24	4.61
6	1 x 2.76	3.08

#### INSULATED WIRE

Nominal diameter (mm)	Approximate linear weight (kg/km)
2.1	9.0
2.3	11.3
2.4	14.3
2.6	19.4
3.0	29.1
3.8	47.5
4.3	68.8

\* Nominal cross-section not described in IEC 60228.

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LES CABLES DE L'EXTREME