

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

UNIPOLAR WIRES AND CABLES  
WITH COMPOSITE INSULATION

# SILICABLE® VMT

**-50 °C to +155 °C**

## Applications

- Cabling for rotating machines: motors, alternators, generators.
  - Cabling for static machines: transformers, inductors, inverters, choppers.
    - Cabling for cabinets, household lighting appliances.
- Cabling in +130 °C environments maximum requiring very good insulation resistance to abrasion and/or shearing and/or friction.

## Options

- Tin-plated copper core: ref. EVMT.
  - Up to 6 mm<sup>2</sup>: solid bare copper core (ref. RVMT) – class 1 as per IEC 60228.
- Up to 2.5 mm<sup>2</sup>: solid tin-plated copper core (ref. REVMT) – class 1 as per IEC 60228.
  - Other nominal cross-sections: contact us.
    - Other nominal stranding: contact us.
      - Other options: contact us.

## Characteristics

### General

- Continuous operating temperatures: -50 °C to +130 °C (class B).
- Maximum shortterm temperature: +155 °C (class F).
- Good mechanical strength.
- Compatible with most impregnation varnishes.

### Electrical

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

## Standard products

- Solid white.
- White with coloured spiral stripe(s).



- 1 • Flexible bare copper core - class 5 as per IEC 60228.
- 2 • Fibreglass lapping.
- 3 • Polyester tape(s).
- 4 • Varnished polyester braid.

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

Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Max. 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

### INSULATED WIRE OR CABLE

Nominal diameter (mm)	Approximate linear weight (kg/km)
1.3	2.9
1.6	5.2
1.8	7.5
2.0	9.9
2.2	13.8
2.7	22.7
3.2	37.1
3.8	54.7
5.2	94.0
6.7	151
9.2	244
10.3	327
11.2	467
16.5	679

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

For this product, please contact:

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LES CABLES DE L'EXTREME

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