

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

# SILICABLE® BM-NVS

-60 °C to +350 °C



## Approvals - standards

- Nickel type 200, as per standards ASTM B160, DIN 17753 and DIN 17740.
- Halogen-free: IEC 60754-1 / EN 50267-2-1.
  - Resistance to vertical flame propagation for an insulated cable: IEC 60332-1-2 / EN 50265-2-1 / NF C 32-070 test C2.
- VERITAS approval certificate No. BV.153552.

## Applications

- Cabling for heating resistors, cartridges, bands and plates.

## Options

- Nickel-plate copper earth wire core: Ref. BM-(NVS+CNVS).
- Class 5 flexible cores as per IEC 60228: contact us.
- Other nominal cross-sections: contact us.
- Other numbers of conductors: contact us.
- Cable without an earth wire: contact us.
  - Other options and/or combinations of the options outlined above: contact us.

## MULTI-CONDUCTOR WIRES AND CABLES WITH COMPOSITE INSULATION



- 1 • Stranded nickel core
- 2 • Silicone impregnated fibreglass lappings.
- 3 • Silicone-coated fibreglass braid.
- 4 • Galvanised steel braid.

## Characteristics

### General

- Continuous operating temperatures: -60 °C to +350 °C.
- Good resistance to thermal shocks and oxidization of core.
- Excellent ageing.

### Electrical

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

## Standard products

- Standard conductor colours: see table below.

Number	Colours
3	Yellow/Green – Blue – Brown
4	Yellow/Green – Brown – Black – Blue
5	Yellow/Green – Blue – Brown – Black – Grey

- Outer braid with or without coloured spiral stripe.
- Some cables may include a fibreglass tape or other separating tape under the outer braid.

For this product, please contact:

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LES CABLES DE L'EXTREME

## Conducting core

## INSULATED CONDUCTORS

## SHEATHED CABLE

Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)	Nominal thickness of insulation (mm)	Nominal diameter of the conductor (mm)	Nominal diameter of the cable (mm)	Approximate linear weight (kg/km)
3 G 0.5	7 x 0.30	229	0.6	2.1	5.5	63.8
4 G 0.5	7 x 0.30	229	0.6	2.1	6.1	82.2
5 G 0.5	7 x 0.30	229	0.6	2.1	6.7	97.0
3 G 0.75	11 x 0.30	156	0.6	2.4	6.2	68.5
4 G 0.75	11 x 0.30	156	0.6	2.4	6.8	87.9
5 G 0.75	11 x 0.30	156	0.6	2.4	7.3	104
3 G 1	14 x 0.30	115	0.6	2.5	6.4	80.6
4 G 1	14 x 0.30	115	0.6	2.5	6.8	97.7
5 G 1	14 x 0.30	115	0.6	2.5	7.8	115
3 G 1.5	21 x 0.30	77.2	0.6	2.8	7.0	95.7
4 G 1.5	21 x 0.30	77.2	0.6	2.8	7.7	117
5 G 1.5	21 x 0.30	77.2	0.6	2.8	8.6	153
3 G 2.5	35 x 0.30	47.2	0.6	3.2	7.9	139
4 G 2.5	35 x 0.30	47.2	0.6	3.2	8.7	168
5 G 2.5	35 x 0.30	47.2	0.6	3.2	9.7	206
3 G 4	56 x 0.30	31.5	0.8	4.3	9.6	219
4 G 4	56 x 0.30	31.5	0.8	4.3	10.6	267
5 G 4	56 x 0.30	31.5	0.8	4.3	12.4	318
3 G 6	84 x 0.30	21.0	0.8	4.6	11.5	249
4 G 6	84 x 0.30	21.0	0.8	4.6	12.4	334
5 G 6	84 x 0.30	21.0	0.8	4.6	13.6	412
3 G 10	140 x 0.30	12.1	1.2	6.6	15.8	512
4 G 10	140 x 0.30	12.1	1.2	6.6	17.6	619

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