

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

SILICABLE® MA-NVAS

-60 °C to +450 °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.
 - Fire retardant: NF C 32-070 test C1.
 - 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.256192.

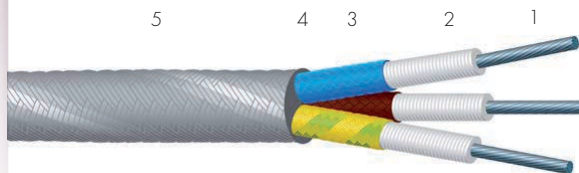
Applications

- All cabling in hot atmospheres up to 450 °C.
 - Cabling in the metallurgical industry, glassworks, etc.
- Cabling for industrial furnaces and air ovens, machines for thermoplastics or rubber, welding stations, etc.
 - Cabling for heating resistors, cartridges, bands and plates.

Options

- Other nominal cross-sections and flexibility classes: contact us.
- Other numbers of conductors: contact us.
 - Outer flexible armour:
 - > Galvanised steel braid: ref. BGMA-NVAS.
 - > Stainless steel braid: ref. BIMA-NVAS.
 - Electrical shielding:
 - > Nickel-plated copper braid: ref. MABCN-NVAS.
 - 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 mineral fibre braid.
- 4 • Fillers optional, not shown.
- 5 • Silicone-coated mineral fibre braid.

Characteristics General

- Continuous operating temperatures: -60 °C to +450 °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
2	Blue – Grey
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

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Conducting core

INSULATED CONDUCTORS

SHEATHED CABLE

Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C	Nominal thickness of insulation (mm)	Nominal diameter of the conductor (mm)	Nominal diameter of the cable (mm)	Approximate linear weight (kg/km)
2 x 0.75	11 x 0.30	156	0.8	2.7	6.9	50.1
3 G 0.75	11 x 0.30	156	0.8	2.7	7.3	68.1
4 G 0.75	11 x 0.30	156	0.8	2.7	8.0	89.0
5 G 0.75	11 x 0.30	156	0.8	2.7	8.7	108
2 x 1	14 x 0.30	115	0.9	3.2	7.9	69.2
3 G 1	14 x 0.30	115	0.9	3.2	8.4	80.2
4 G 1	14 x 0.30	115	0.9	3.2	9.2	104
5 G 1	14 x 0.30	115	0.9	3.2	10.2	130
2 x 1.5	21 x 0.30	77.2	0.9	3.4	8.3	80.8
3 G 1.5	21 x 0.30	77.2	0.9	3.4	8.6	97.6
4 G 1.5	21 x 0.30	77.2	0.9	3.4	9.0	122
5 G 1.5	21 x 0.30	77.2	0.9	3.4	9.6	151
7 G 1.5	21 x 0.30	77.2	0.9	3.4	10.6	208
12 G 1.5	21 x 0.30	77.2	0.9	3.4	15.6	338
3 G 2.5	35 x 0.30	47.2	0.9	4.0	10.0	150
4 G 2.5	35 x 0.30	47.2	0.9	4.0	11.2	170
5 G 2.5	35 x 0.30	47.2	0.9	4.0	12.3	218
7 G 2.5	35 x 0.30	47.2	0.9	4.0	13.5	284
3 G 4	56 x 0.30	31.5	1.0	4.5	11.2	180
4 G 4	56 x 0.30	31.5	1.0	4.5	12.4	231
5 G 4	56 x 0.30	31.5	1.0	4.5	13.7	296
3 G 6	84 x 0.30	21.0	1.0	5.0	12.3	265
4 G 6	84 x 0.30	21.0	1.0	5.0	13.6	349
5 G 6	84 x 0.30	21.0	1.0	5.0	15.1	432
3 G 10	80 x 0.40	12.1	1.6	8.0	18.7	527
4 G 10	80 x 0.40	12.1	1.6	8.0	20.8	695
5 G 10	80 x 0.40	12.1	1.6	8.0	23.2	862

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