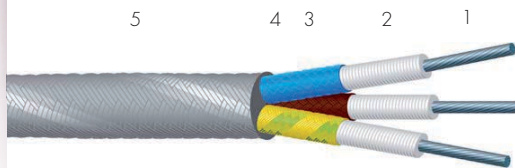


# SILICABLE® MA-CNVS

-60 °C to +350 °C



- 1 • Stranded nickel-plated copper core.
- 2 • Silicone impregnated fibreglass lappings.
- 3 • Silicone-coated fibreglass braid.
- 4 • Fillers optional, not shown.
- 5 • Silicone-coated mineral fibre braid.

## Approvals - standards

- Nickel-plated copper complying with the 2% class as per standard ASTM B355.
- 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.

## Applications

- All cabling in hot atmospheres up to +350 °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: contact us.
- Class 5 flexible cores as per IEC 60228: contact us.
- Other numbers of conductors (up to 37): contact us.
  - Outer flexible armour:
    - > Galvanised steel braid: ref. BGMA-CNVS.
    - > Stainless steel braid: ref. BIMA-CNVS.
    - Electrical shielding:
      - > Nickel-plated copper braid: ref. MABCN-CNVS.
      - Other options and/or combinations of the options outlined above: contact us.

## Characteristics

### General

- Continuous operating temperatures: -60 °C to +350 °C.
- Good resistance to thermal shock.
- Excellent ageing.

### Electrical

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

## Standard products

- Standard conductor colours: see table below.
- Standard outer braid colour: grey.
- Some cables may include a fibreglass tape or other separating tape under the outer braid.

### Standard conductor colours

Number of conductors	Standard conductor colours	
	With an earth wire	Without an earth wire
2	-	Blue - Brown
3	Yellow/Green - Blue - Brown	Brown - Black - Grey (or Blue)
4	Yellow/Green - Brown - Black - Grey (or Blue)	Blue - Brown - Black - Grey
5	Yellow/Green - Blue - Brown - Black - Grey (or Red)	Blue - Brown - Black - Grey - Black (or Red)
≥6	Yellow/Green - Black or White non-numbered	Black or Grey non-numbered

#### • Identification

Multi-conductor cables without an earth wire are identified as follows:

< Number of conductors > X < Cross-section > mm<sup>2</sup> (example: 3 X 1.5 mm<sup>2</sup>).

Multi-conductor cables with an earth wire are identified by the symbol G in the place of the X (example 3 G 1.5 mm<sup>2</sup>).

For this product, please contact:

OMERIN division principale

Zone Industrielle - F 63600 Ambert

Tel. +33 (0)4 73 82 50 00 - Fax +33 (0)4 73 82 50 10

omerin@omerin.com

OMERIN division silisol

BP 87 - ZI du Devev - F 42000 Saint-Etienne

Tel. +33 (0)4 77 81 36 00 - Fax +33 (0)4 77 81 37 00

silisol@omerin.com

## 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)
2 x 0.5	7 x 0.30	36.7	0.6	2.1	5.6	27.4
3 x 0.5	7 x 0.30	36.7	0.6	2.1	5.9	39.8
4 x 0.5	7 x 0.30	36.7	0.6	2.1	6.5	52.8
5 x 0.5	7 x 0.30	36.7	0.6	2.1	7.1	66.0
7 x 0.5	7 x 0.30	36.7	0.6	2.1	7.7	92.5
2 x 0.75	11 x 0.30	24.8	0.6	2.4	6.3	33.9
3 x 0.75	11 x 0.30	24.8	0.6	2.4	6.6	49.9
4 x 0.75	11 x 0.30	24.8	0.6	2.4	7.2	64.9
5 x 0.75	11 x 0.30	24.8	0.6	2.4	7.9	83.4
7 x 0.75	11 x 0.30	24.8	0.6	2.4	8.6	116
2 x 1	14 x 0.30	18.2	0.6	2.5	6.4	47.7
3 x 1	14 x 0.30	18.2	0.6	2.5	6.8	59.0
4 x 1	14 x 0.30	18.2	0.6	2.5	7.4	77.0
5 x 1	14 x 0.30	18.2	0.6	2.5	8.1	98.5
7 x 1	14 x 0.30	18.2	0.6	2.5	8.9	131
12 x 1	14 x 0.30	18.2	0.6	2.5	11.8	223
19 x 1	14 x 0.30	18.2	0.6	2.5	13.9	340
24 x 1	14 x 0.30	18.2	0.6	2.5	16.4	430
27 x 1	14 x 0.30	18.2	0.6	2.5	16.8	483
37 x 1	14 x 0.30	18.2	0.6	2.5	19.0	661
2 x 1.5	21 x 0.30	12.2	0.6	2.8	7.2	59.6
3 x 1.5	21 x 0.30	12.2	0.6	2.8	7.4	81.2
4 x 1.5	21 x 0.30	12.2	0.6	2.8	8.2	100
5 x 1.5	21 x 0.30	12.2	0.6	2.8	9.0	131
7 x 1.5	21 x 0.30	12.2	0.6	2.8	9.8	171
12 x 1.5	21 x 0.30	12.2	0.6	2.8	13.0	293
19 x 1.5	21 x 0.30	12.2	0.6	2.8	15.4	465
24 x 1.5	21 x 0.30	12.2	0.6	2.8	18.2	586
27 x 1.5	21 x 0.30	12.2	0.6	2.8	18.6	660
37 x 1.5	21 x 0.30	12.2	0.6	2.8	21.1	905
2 x 2.5	35 x 0.30	7.56	0.6	3.2	7.8	77.0
3 x 2.5	35 x 0.30	7.56	0.6	3.2	8.3	113
4 x 2.5	35 x 0.30	7.56	0.6	3.2	9.1	150
5 x 2.5	35 x 0.30	7.56	0.6	3.2	10.1	193
7 x 2.5	35 x 0.30	7.56	0.6	3.2	11.2	256
12 x 2.5	35 x 0.30	7.56	0.6	3.2	21.2	437
2 x 4	56 x 0.30	4.70	0.8	4.0	9.4	130
3 x 4	56 x 0.30	4.70	0.8	4.0	10.0	182
4 x 4	56 x 0.30	4.70	0.8	4.0	11.1	238
5 x 4	56 x 0.30	4.70	0.8	4.0	12.2	308
7 x 4	56 x 0.30	4.70	0.8	4.0	13.4	409
2 x 6	84 x 0.30	3.11	0.8	4.6	10.6	184
3 x 6	84 x 0.30	3.11	0.8	4.6	11.3	256
4 x 6	84 x 0.30	3.11	0.8	4.6	12.8	343
5 x 6	84 x 0.30	3.11	0.8	4.6	13.9	428
2 x 10	80 x 0.40	1.84	1.2	6.6	14.6	310
3 x 10	80 x 0.40	1.84	1.2	6.6	15.4	431
4 x 10	80 x 0.40	1.84	1.2	6.6	17.5	570