

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

SILICABLE® MV-VS

-60 °C to +280 °C



Approvals - standards

- 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.153552.
 - > No. BV.256096 - 2 hours at 400°C.

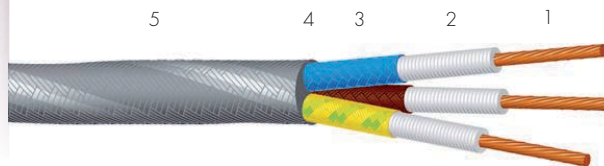
Applications

- All cabling in hot atmospheres up to 280 °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.
- Other numbers of conductors (up to 37): contact us.
 - Nickel-plated copper cores: ref. MV-CNVS.
 - Outer flexible armour:
 - > Galvanised steel braid: ref. BGMV-VS.
 - > Stainless steel braid: ref. BIMV-VS.
 - Reinforced outer braid: ref. MA-VS.
 - Electrical shielding:
 - > Tin-plated copper braid: ref. MVBE-VS.
 - > Aluminium tape + continuity wire: ref. MVBAL-VS.
 - Other options and/or combinations of the options outlined above: contact us.

MULTI-CONDUCTOR WIRES AND CABLES WITH COMPOSITE INSULATION



- 1 • Flexible bare copper core - class 5 as per IEC 60228.
- 2 • Silicone impregnated fibreglass lappings.
- 3 • Silicone-coated fibreglass braid.
- 4 • Fillers optional, not shown.
- 5 • Silicone-coated fibreglass braid.

Characteristics General

- Continuous operating temperatures: -60 °C to +280 °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	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
≥6	Yellow/Green - Black or White non-numbered	Black or Grey numbered

Identification

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

< Number of conductors > X < Cross-section > mm² (example: 3 X 1.5 mm²).

Multi-conductor cables with an earth wire are identified by the symbol G in the place of the X (example 3 G 1.5 mm²).

For this product, please contact:

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LES CABLES DE L'EXTREME

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Flexible core – Class 5 as per IEC 60228

INSULATED CONDUCTORS

SHEATHED CABLE

Nominal cross-section (mm ²)	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	16 x 0.20	39.0	0.6	2.1	4.9	23.8
3 x 0.5	16 x 0.20	39.0	0.6	2.1	5.1	34.6
4 x 0.5	16 x 0.20	39.0	0.6	2.1	5.7	45.9
5 x 0.5	16 x 0.20	39.0	0.6	2.1	6.3	57.4
7 x 0.5	16 x 0.20	39.0	0.6	2.1	6.9	80.4
2 x 0.75	24 x 0.20	26.0	0.6	2.4	5.5	29.5
3 x 0.75	24 x 0.20	26.0	0.6	2.4	5.8	43.4
4 x 0.75	24 x 0.20	26.0	0.6	2.4	6.4	56.5
5 x 0.75	24 x 0.20	26.0	0.6	2.4	7.1	72.5
7 x 0.75	24 x 0.20	26.0	0.6	2.4	7.8	101
2 x 1	32 x 0.20	19.5	0.6	2.5	5.6	41.5
3 x 1	32 x 0.20	19.5	0.6	2.5	6.0	51.3
4 x 1	32 x 0.20	19.5	0.6	2.5	6.6	67.0
5 x 1	32 x 0.20	19.5	0.6	2.5	7.3	85.7
7 x 1	32 x 0.20	19.5	0.6	2.5	8.1	114
12 x 1	32 x 0.20	19.5	0.6	2.5	11.0	194
19 x 1	32 x 0.20	19.5	0.6	2.5	13.1	296
24 x 1	32 x 0.20	19.5	0.6	2.5	15.6	374
27 x 1	32 x 0.20	19.5	0.6	2.5	16.0	420
37 x 1	32 x 0.20	19.5	0.6	2.5	18.2	575
2 x 1.5	30 x 0.25	13.3	0.6	2.8	6.4	51.8
3 x 1.5	30 x 0.25	13.3	0.6	2.8	6.6	70.6
4 x 1.5	30 x 0.25	13.3	0.6	2.8	7.4	87.3
5 x 1.5	30 x 0.25	13.3	0.6	2.8	8.2	114
7 x 1.5	30 x 0.25	13.3	0.6	2.8	9.0	149
12 x 1.5	30 x 0.25	13.3	0.6	2.8	12.2	255
19 x 1.5	30 x 0.25	13.3	0.6	2.8	14.6	404
24 x 1.5	30 x 0.25	13.3	0.6	2.8	17.4	510
27 x 1.5	30 x 0.25	13.3	0.6	2.8	17.8	574
37 x 1.5	30 x 0.25	13.3	0.6	2.8	20.3	787
2 x 2.5	50 x 0.25	7.98	0.6	3.2	7.0	67
3 x 2.5	50 x 0.25	7.98	0.6	3.2	7.5	98.8
4 x 2.5	50 x 0.25	7.98	0.6	3.2	8.3	131
5 x 2.5	50 x 0.25	7.98	0.6	3.2	9.3	168
7 x 2.5	50 x 0.25	7.98	0.6	3.2	10.4	223
12 x 2.5	50 x 0.25	7.98	0.6	3.2	20.4	380
2 x 4	56 x 0.30	4.95	0.8	4.0	8.6	113
3 x 4	56 x 0.30	4.95	0.8	4.0	9.2	158
4 x 4	56 x 0.30	4.95	0.8	4.0	10.3	207
5 x 4	56 x 0.30	4.95	0.8	4.0	11.4	268
7 x 4	56 x 0.30	4.95	0.8	4.0	12.6	356
2 x 6	84 x 0.30	3.30	0.8	4.6	9.8	160
3 x 6	84 x 0.30	3.30	0.8	4.6	10.5	223
4 x 6	84 x 0.30	3.30	0.8	4.6	12	298
5 x 6	84 x 0.30	3.30	0.8	4.6	13.1	372
2 x 10	80 x 0.40	1.91	1.2	6.6	13.8	270
3 x 10	80 x 0.40	1.91	1.2	6.6	14.8	375
4 x 10	80 x 0.40	1.91	1.2	6.6	16.5	496
2 x 16	126 x 0.40	1.21	1.2	7.9	16.4	448
3 x 16	126 x 0.40	1.21	1.2	7.9	17.6	625
4 x 16	126 x 0.40	1.21	1.2	7.9	19.8	825
2 x 25	196 x 0.40	0.780	1.5	10.0	20.7	708
3 x 25	196 x 0.40	0.780	1.5	10.0	22.2	1068
4 x 25	196 x 0.40	0.780	1.5	10.0	24.8	1312
2 x 35	276 x 0.40	0.554	1.8	12.0	25.2	977
3 x 35	276 x 0.40	0.554	1.8	12.0	26.8	1363
4 x 35	276 x 0.40	0.554	1.8	12.0	29.8	1799