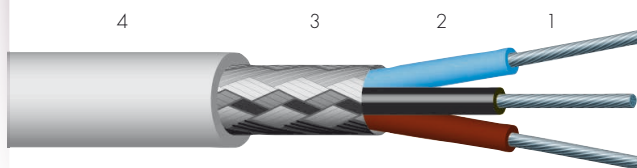


HIGH TEMPERATURE WIRES AND CABLES FOR THE GENERAL MARKET SECTION I: CROSS LINKED ELASTOMERS

SILICABLE® MCBE-EFEP -60 °C to +200 °C

SILICONE INSULATED AND/OR SHEATHED WIRES AND CABLES



- 1 • Flexible tin-plated copper core – class 5 as per IEC 60228.
- 2 • Insulation: Fluorinated polymer FEP.
- 3 • Electrical shielding: Tin-plated copper braid.
- 4 • Outer sheath: Silicone rubber.

Applications

- Cabling for electrical heating appliances.
Use in the medical field as cabling for sterilisable surgical instruments.
- Power cables for various industrial appliances.

Options

- Bare copper core: ref. MCBE-FEP.
- Nickel-plated copper core: ref. MCBE-CNFEP.
- Silver-plated copper core: ref. MCBE-AFEP.
 - Extra-flexible tin-plated copper core – class 6 as per IEC 60228: ref. MCBE-EFEP-ES.
- Electrical shielding: Aluminium/PET tape + continuity wire: ref. MCBAL-EFEP.
- Insulation: Fluorinated polymer PFA (improved thermal resistance of insulation): ref. MCBE-EPFA.
- Insulation: Fluorinated polymer ETFE (+155 °C in continuous operation - improved mechanical strength): ref. MCBE-EETFE.
- Other nominal cross-sections: contact us.
 - Other nominal stranding: contact us.
 - Other colours: contact us.
- Other options and/or combinations of the options outlined above: contact us.

Characteristics General

- Continuous operating temperatures: -60 °C to +200 °C.
- Good resistance to common chemical influences.

Electrical

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

Standard products

- Standard conductor colours: see table below.
- Standard outer sheath colours: white, black, grey or brick red.

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
4	yellow/green – brown – black – grey	blue – brown – black – grey
5	yellow/green – blue – brown – black – grey	blue – brown – black – grey – black
≥ 6	yellow/green – white numbered or black numbered	white numbered or black 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:

OMERIN division principale

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siliisol@omerin.com

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 (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)
2 x 0.5	16 x 0.20	40.1	0.20	1.30	4.8	37.8
3 x 0.5	16 x 0.20	40.1	0.20	1.30	5.0	44.6
4 x 0.5	16 x 0.20	40.1	0.20	1.30	5.4	53.5
5 x 0.5	16 x 0.20	40.1	0.20	1.30	6.0	65.1
7 x 0.5	16 x 0.20	40.1	0.20	1.30	6.6	85.6
2 x 0.75	24 x 0.20	26.7	0.20	1.45	5.3	47.3
3 x 0.75	24 x 0.20	26.7	0.20	1.45	5.7	58.7
4 x 0.75	24 x 0.20	26.7	0.20	1.45	6.0	68.5
5 x 0.75	24 x 0.20	26.7	0.20	1.45	6.5	81.0
7 x 0.75	24 x 0.20	26.7	0.20	1.45	7.0	105
2 x 1	32 x 0.20	20.0	0.25	1.70	5.7	56.4
3 x 1	32 x 0.20	20.0	0.25	1.70	6.0	68.8
4 x 1	32 x 0.20	20.0	0.25	1.70	6.8	91.6
5 x 1	32 x 0.20	20.0	0.25	1.70	7.3	107
7 x 1	32 x 0.20	20.0	0.25	1.70	7.9	140
2 x 1.5	30 x 0.25	13.7	0.30	1.95	6.7	77.5
3 x 1.5	30 x 0.25	13.7	0.30	1.95	7.0	94.0
4 x 1.5	30 x 0.25	13.7	0.30	1.95	7.8	122
5 x 1.5	30 x 0.25	13.7	0.30	1.95	8.4	144
7 x 1.5	30 x 0.25	13.7	0.30	1.95	9.0	179
2 x 2.5	50 x 0.25	8.21	0.30	2.50	8.1	119
3 x 2.5	50 x 0.25	8.21	0.30	2.50	8.5	147
4 x 2.5	50 x 0.25	8.21	0.30	2.50	9.1	177
5 x 2.5	50 x 0.25	8.21	0.30	2.50	9.9	211
7 x 2.5	50 x 0.25	8.21	0.30	2.50	10.9	272

For this product, please contact:

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LES CABLES DE L'EXTREME

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