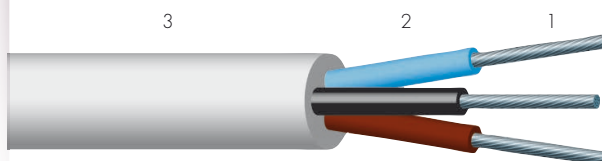


HIGH TEMPERATURE WIRES AND CABLES FOR THE GENERAL MARKET SECTION I: CROSS LINKED ELASTOMERS

SILICABLE® MC-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 • 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. MC-FEP.
- Nickel-plated copper core: ref. MC-CNFEP.
- Silver-plated copper core: ref. MC-AFEP.
 - Extra-flexible tin-plated copper core – class 6 as per IEC 60228: ref. MC-EFEP-ES.
- Insulation: Fluorinated polymer PFA (improved thermal resistance of insulation): ref. MC-EPFA.
 - Insulation: Fluorinated polymer ETFE (+155 °C in continuous operation - improved mechanical strength): ref. MC-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	
	With an earth wire	Without an earth wire	Without 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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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 × 0.5	16 × 0.20	40.1	0.20	1.30	4.4	29.0
3 × 0.5	16 × 0.20	40.1	0.20	1.30	4.6	34.8
4 × 0.5	16 × 0.20	40.1	0.20	1.30	5.0	42.6
5 × 0.5	16 × 0.20	40.1	0.20	1.30	5.8	55.5
7 × 0.5	16 × 0.20	40.1	0.20	1.30	6.1	67.0
2 × 0.75	24 × 0.20	26.7	0.20	1.45	4.9	37.5
3 × 0.75	24 × 0.20	26.7	0.20	1.45	5.2	46.5
4 × 0.75	24 × 0.20	26.7	0.20	1.45	6.0	61.8
5 × 0.75	24 × 0.20	26.7	0.20	1.45	6.5	73.4
7 × 0.75	24 × 0.20	26.7	0.20	1.45	7.0	92.0
2 × 1	32 × 0.20	20.0	0.25	1.70	5.1	43.2
3 × 1	32 × 0.20	20.0	0.25	1.70	5.4	54.1
4 × 1	32 × 0.20	20.0	0.25	1.70	6.2	71.4
5 × 1	32 × 0.20	20.0	0.25	1.70	6.7	84.7
7 × 1	32 × 0.20	20.0	0.25	1.70	7.3	109
2 × 1.5	30 × 0.25	13.7	0.30	1.95	5.7	56.6
3 × 1.5	30 × 0.25	13.7	0.30	1.95	6.1	72.6
4 × 1.5	30 × 0.25	13.7	0.30	1.95	6.8	92.6
5 × 1.5	30 × 0.25	13.7	0.30	1.95	7.5	113
7 × 1.5	30 × 0.25	13.7	0.30	1.95	8.0	143
2 × 2.5	50 × 0.25	8.21	0.30	2.50	7.0	88.4
3 × 2.5	50 × 0.25	8.21	0.30	2.50	7.4	113
4 × 2.5	50 × 0.25	8.21	0.30	2.50	8.2	143
5 × 2.5	50 × 0.25	8.21	0.30	2.50	8.9	171
7 × 2.5	50 × 0.25	8.21	0.30	2.50	9.8	225

For this product, please contact:

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