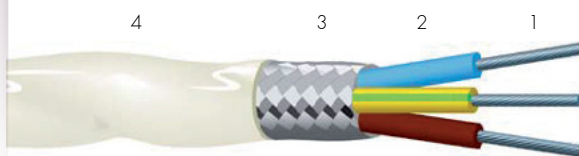


SILIFLON® M6BE-E6

-90 °C to +205 °C



- 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: Fluorinated polymer FEP.

Applications

- Cabling for electrical heating appliances.
 - Use in the medical field as cabling for sterilisable surgical instruments.
 - All power cords requiring resistance to alternate bendings.
- Cabling of thermoresistant detectors type PT 100.

Options

- Bare copper core: contact us.
- Silver-plated copper core: contact us.
- Nickel-plated copper core: contact us.
- Pure nickel core (not described in IEC 60228): contact us.
- Electrical shielding made of an aluminium tape + continuity wire (ref. M6BAL-E6): contact us.
 - PFA fluorinated polymer insulation and sheathing for continuous operating temperatures up to +260°C: ref. M5BE-E5.
 - ETFE fluorinated polymer insulation and sheathing for continuous operating temperatures up to +155 °C: ref. M7BE-E7.
 - Other nominal metric or American cross-sections: contact us.
- Other numbers of conductors: 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: -90 °C to +205 °C.
- Excellent resistance to aggressive chemical environments.
- Excellent resistance to humidity and UV.
- Excellent mechanical strength.

Electrical

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

Standard products

- Standard conductor colours: all solid colours including yellow/green.
- Standard outer sheath colours: grey, white or black.

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

www.omerin.com

omerin
LES CABLES DE L'EXTREME

The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force. For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.

© Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.

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 | 1.3 | 3.6 | 30.0 |
| 3 x 0.5 | 16 x 0.20 | 40.1 | 0.20 | 1.3 | 3.8 | 37.3 |
| 4 x 0.5 | 16 x 0.20 | 40.1 | 0.20 | 1.3 | 4.1 | 45.0 |
| 5 x 0.5 | 16 x 0.20 | 40.1 | 0.20 | 1.3 | 4.6 | 55.2 |
| 7 x 0.5 | 16 x 0.20 | 40.1 | 0.20 | 1.3 | 4.9 | 68.3 |
| 2 x 0.75 | 24 x 0.20 | 26.7 | 0.20 | 1.45 | 3.8 | 35.2 |
| 3 x 0.75 | 24 x 0.20 | 26.7 | 0.20 | 1.45 | 4.0 | 44.4 |
| 4 x 0.75 | 24 x 0.20 | 26.7 | 0.20 | 1.45 | 4.5 | 56.9 |
| 5 x 0.75 | 24 x 0.20 | 26.7 | 0.20 | 1.45 | 5.0 | 69.1 |
| 7 x 0.75 | 24 x 0.20 | 26.7 | 0.20 | 1.45 | 5.6 | 95.6 |
| 2 x 1 | 32 x 0.20 | 20.0 | 0.20 | 1.7 | 4.6 | 48.4 |
| 3 x 1 | 32 x 0.20 | 20.0 | 0.20 | 1.7 | 4.8 | 60.4 |
| 4 x 1 | 32 x 0.20 | 20.0 | 0.20 | 1.7 | 5.1 | 72.3 |
| 5 x 1 | 32 x 0.20 | 20.0 | 0.20 | 1.7 | 5.6 | 90.7 |
| 7 x 1 | 32 x 0.20 | 20.0 | 0.20 | 1.7 | 6.4 | 123 |
| 2 x 1.5 | 30 x 0.25 | 13.7 | 0.20 | 1.95 | 4.8 | 55.8 |
| 3 x 1.5 | 30 x 0.25 | 13.7 | 0.20 | 1.95 | 5.4 | 78.5 |
| 4 x 1.5 | 30 x 0.25 | 13.7 | 0.20 | 1.95 | 6.2 | 108 |
| 5 x 1.5 | 30 x 0.25 | 13.7 | 0.20 | 1.95 | 6.8 | 130 |
| 7 x 1.5 | 30 x 0.25 | 13.7 | 0.20 | 1.95 | 7.6 | 172 |
| 2 x 2.5 | 50 x 0.25 | 8.21 | 0.20 | 2.5 | 6.4 | 97.6 |
| 3 x 2.5 | 50 x 0.25 | 8.21 | 0.20 | 2.5 | 6.8 | 127 |
| 4 x 2.5 | 50 x 0.25 | 8.21 | 0.20 | 2.5 | 7.5 | 160 |
| 5 x 2.5 | 50 x 0.25 | 8.21 | 0.20 | 2.5 | 8.5 | 201 |
| 7 x 2.5 | 50 x 0.25 | 8.21 | 0.20 | 2.5 | 9.2 | 259 |
| 2 x 4 | 56 x 0.30 | 5.09 | 0.25 | 3.1 | 7.7 | 138 |
| 3 x 4 | 56 x 0.30 | 5.09 | 0.25 | 3.1 | 8.4 | 187 |
| 4 x 4 | 56 x 0.30 | 5.09 | 0.25 | 3.1 | 9.3 | 238 |
| 5 x 4 | 56 x 0.30 | 5.09 | 0.25 | 3.1 | 10.1 | 282 |
| 7 x 4 | 56 x 0.30 | 5.09 | 0.25 | 3.1 | 11.5 | 394 |
| 2 x 6 | 84 x 0.30 | 3.39 | 0.35 | 3.9 | 9.5 | 205 |
| 3 x 6 | 84 x 0.30 | 3.39 | 0.35 | 3.9 | 10.1 | 275 |
| 4 x 6 | 84 x 0.30 | 3.39 | 0.35 | 3.9 | 11.5 | 363 |
| 5 x 6 | 84 x 0.30 | 3.39 | 0.35 | 3.9 | 13.1 | 466 |
| 7 x 6 | 84 x 0.30 | 3.39 | 0.35 | 3.9 | 14.3 | 608 |

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

www.omerin.com

omerin
 LES CABLES DE L'EXTREME

The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force.
 For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.
 © Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.