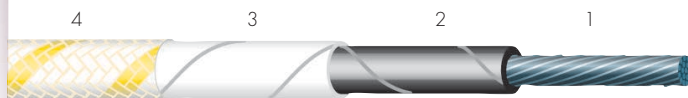


# HIGH TEMPERATURE WIRES AND CABLES FOR THE GENERAL MARKET SECTION III: COMPOSITE INSULATIONS

## SILICABLE® ETNP

**-50 °C to +155 °C**

### UNIPOLAR WIRES AND CABLES WITH COMPOSITE INSULATION



- 1 • Flexible tin-plated copper core – class 5 as per IEC 60228.
- 2 • Polyester tape(s).
- 3 • Meta-aramid tape(s).
- 4 • Varnished polyester braid.

### Applications

- Cabling for rotating machines: motors, alternators, generators.
- Cabling for static machines: transformers, inductors, inverters, choppers.
- Cabling for cabinets, household lighting appliances.
- Cabling in +155 °C environments maximum requiring very good insulation resistance to abrasion and/or shearing and/or friction.

### Options

- Bare copper core: ref. TNP.
- Up to 6 mm<sup>2</sup>: solid bare copper core (ref. RTNP) – class 1 as per IEC 60228.
- Up to 2.5 mm<sup>2</sup>: solid tin-plated copper core (ref. RETNP) – class 1 as per IEC 60228.
- Other nominal cross-sections: contact us.
- Other nominal stranding: contact us.
- Other options: contact us.

### Characteristics

#### General

- Continuous operating temperatures: -50 °C to +155 °C (class F).
- Good mechanical strength.
- Compatible with most impregnation varnishes.

#### Electrical

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

### Standard products

- Solid white.
- White with coloured spiral stripe(s).

#### Flexible core • Class 5 as per IEC 60228

| Nominal cross-section (mm <sup>2</sup> ) | Nominal stranding | Maximum linear resistance at 20 °C (Ω/km) |
|------------------------------------------|-------------------|-------------------------------------------|
| 0.25*                                    | 7 x 0.22          | 81.2                                      |
| 0.5                                      | 16 x 0.20         | 40.1                                      |
| 0.75                                     | 24 x 0.20         | 26.7                                      |
| 1                                        | 32 x 0.20         | 20.0                                      |
| 1.5                                      | 30 x 0.25         | 13.7                                      |
| 2.5                                      | 50 x 0.25         | 8.21                                      |
| 4                                        | 56 x 0.30         | 5.09                                      |
| 6                                        | 84 x 0.30         | 3.39                                      |
| 10                                       | 80 x 0.40         | 1.95                                      |
| 16                                       | 126 x 0.40        | 1.24                                      |
| 25                                       | 196 x 0.40        | 0.795                                     |
| 35                                       | 276 x 0.40        | 0.565                                     |
| 50                                       | 396 x 0.40        | 0.393                                     |
| 70                                       | 360 x 0.50        | 0.277                                     |

#### INSULATED WIRE OR CABLE

| Nominal diameter (mm) | Approximate linear weight (kg/km) |
|-----------------------|-----------------------------------|
| 1.3                   | 3.1                               |
| 1.5                   | 5.1                               |
| 1.7                   | 7.3                               |
| 1.9                   | 9.5                               |
| 2.2                   | 13.8                              |
| 2.6                   | 22.3                              |
| 3.0                   | 34.3                              |
| 3.6                   | 50.9                              |
| 5.4                   | 95.4                              |
| 7.2                   | 153                               |
| 8.5                   | 236                               |
| 9.9                   | 325                               |
| 11.4                  | 459                               |
| 13.4                  | 639                               |

\* Nominal cross-section not described in IEC 60228.

For this product, please contact:

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LES CABLES DE L'EXTREME

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