

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

SILICABLE® TEVS

-60 °C to +280 °C

UNIPOLAR WIRES AND CABLES WITH COMPOSITE INSULATION



- 1 • Flexible bare copper core - class 5 as per IEC 60228.
- 2 • PTFE tape.
- 3 • Silicone-coated fiberglass braid.

For implementation purposes, this cable may include one or more fiberglass lappings above or below the PTFE tape.

Applications

- Cabling for heating resistors, cartridges, bands and plates.
- All cabling requiring enhanced chemical resistance.
- Cabling for domestic or professional electrical appliances.

Options

- Nickel-plated copper core: ref. CNTEVS.
- Pure nickel core (not described in IEC 60228): ref. NTEVS.
- Fibreglass outer braid coated with PTFE varnish: ref. TEVF.
- Silicone-coated mineral fibreglass outer braid: ref. TEVAS.
- Other nominal cross-sections: contact us.
- Other nominal stranding: contact us.
- Other options and/or combinations of the options outlined above: contact us.

Characteristics

General

- Continuous operating temperatures: -60 °C to +280 °C.
- Good resistance to thermal shock.
- Enhanced resistance to moisture and common chemical agents.

Electrical

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

Standard products

- All solid colours.
- All colours with coloured spiral stripe(s).

Flexible core • Class 5 as per IEC 60228

Nominal cross-section (mm²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
0.22*	7 x 0.20	89.9
0.34*	7 x 0.25	57.5
0.5	16 x 0.20	39.0
0.75	24 x 0.20	26.0
1	32 x 0.20	19.5
1.5	30 x 0.25	13.3
2.5	50 x 0.25	7.98
4	56 x 0.30	4.95
6	84 x 0.30	3.30
10	80 x 0.40	1.91
16	126 x 0.40	1.21
25	196 x 0.40	0.780
35	276 x 0.40	0.554
50	396 x 0.40	0.386
70	360 x 0.50	0.272
95	485 x 0.50	0.206

INSULATED WIRE OR CABLE

Nominal diameter (mm)	Approximate linear weight (kg/km)
1.3	4.5
1.7	6.7
2.1	8.7
2.4	11.9
2.5	14.3
2.8	19.1
3.2	29.3
3.8	47.4
4.4	67.5
6.2	106
7.9	192
10.0	302
12.0	395
13.4	556
16.3	785
18.0	1032

* Nominal cross-sections not described in IEC 60228.

For this product, please contact:

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LES CABLES DE L'EXTREME

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