

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

SILICABLE® 350 °C

Composite insulation

UL and cUL approval



Characteristics

General

- Maximum continuous operating temperature: +350 °C.
- Good resistance to thermal shocks and oxidization.

Electrical

- Rated voltage: as per style no. (see opposite table).
- Test voltage: as per style no.

Standard products

- Standard colours: grey, brown or natural.
- Stranding of conducting cores: contact us.

Approvals - standards

- UL approval as per standard UL 758 – File no.: E101965.
- cUL approval (CSA) as per standard C22.2 No. 210 - File no.: E101965.
- Nickel-plated copper complying with the 27% class as per standard ASTM B355.
- Nickel type 200 as per standard ASTM B160.
- "Horizontal flame test" as per UL approval.
- "FT2 flame rating" as per cUL approval.

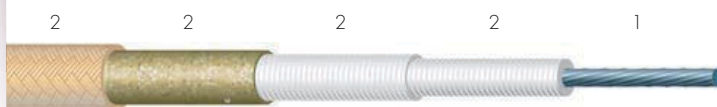
Applications

- Cabling for industrial furnaces and air ovens.
 - Cabling for heating resistors, cartridges, bands and plates.
- Cabling for domestic or professional electrical appliances.

Options

- Other colours: contact us.
- Individual or general electrical shielding: contact us.

UNIPOLAR WIRES AND CABLES WITH COMPOSITE INSULATION



- 1 • Nickel or nickel-plated copper core.
- 2 • Composite insulation: Mica tape(s) and/or fibreglass lapping + varnished fibreglass braid.

Style no.		5294		5285		5304	
Approval		350 °C – 300 V		350 °C – 300 V		350 °C – 600 V	
Nominal cross-section AWG	(mm ²)	Average thickness of insulation (mm)	Nominal diameter* (mm)	Average thickness of insulation (mm)	Nominal diameter* (mm)	Average thickness of insulation (mm)	Nominal diameter* (mm)
30	0.05	-	-	-	-	-	-
28	0.09	-	-	-	-	-	-
26	0.13	-	-	-	-	-	-
24	0.22	0.46	2.2	1.14	2.9	0.66	2.5
22	0.34	0.46	2.4	1.14	3.0	0.66	2.6
-	0.5	0.46	2.5	1.14	3.2	0.66	2.8
20	0.6	0.46	2.6	1.14	3.3	0.66	2.9
-	0.75	0.46	2.8	1.14	3.4	0.66	3.0
18	0.93	0.46	2.8	1.14	3.5	0.66	3.1
-	1	0.46	2.9	1.14	3.6	0.66	3.2
16	1.34	0.46	3.1	1.14	3.8	0.66	3.4
-	1.5	0.46	3.2	1.14	3.9	0.66	3.5
14	-	0.46	3.5	1.14	4.1	0.66	3.8
-	2.5	0.46	3.7	1.14	4.3	0.66	3.9
12	-	0.46	4.0	1.14	4.6	0.66	4.3
-	4	0.46	4.2	1.14	4.9	0.66	4.6
10	-	0.46	4.9	1.14	6.0	0.66	5.5
-	6	0.46	5.0	1.14	6.1	0.66	5.7
8	-	-	-	-	-	-	-
-	10	-	-	-	-	-	-
6	-	-	-	-	-	-	-
-	16	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	25	-	-	-	-	-	-
2	35	-	-	-	-	-	-
1	-	-	-	-	-	-	-
-	50	-	-	-	-	-	-
1/0	-	-	-	-	-	-	-
2/0	70	-	-	-	-	-	-
3/0	-	-	-	-	-	-	-
-	95	-	-	-	-	-	-
4/0	-	-	-	-	-	-	-
-	120	-	-	-	-	-	-
Conducting metal		EG		EG		EG	

For this product, please contact:

OMERIN division principale ✓

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KEY

Conducting metals
B Tin-plated copper
B* Tin-plated copper (ø > 0.38 mm)
C Nickel-plated copper
D Silver-plated copper
E Nickel
F Bare copper
F* Bare copper (ø > 0.38 mm)
G Nickel-plated copper 27 %

AWM I A Internal wiring, not subject to mechanical abuse
AWM I A/B Internal wiring
AWM II A/B External or Internal wiring

NS Not Specified
VNS Voltage Not Specified

■: UL approved nominal cross-sections only.

* The diameter is provided for information purposes as it may vary depending on the stranding of the core. Only the average thickness of insulation should be taken into account.

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LES CABLES DE L'EXTREME

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