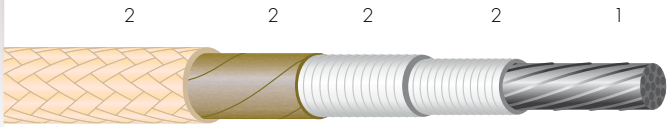
UNIPOLAR WIRES AND CABLES
WITH COMPOSITE INSULATION

SILICABLE® 350 °C

Composite insulation UL and cUL approval

C US



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

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.
- VW-1 approval for Style 5304.

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.

Style no.		5294		5285		5304-VW-1	
Approval		350 °C – 300 V		350 °C – 300 V		350 °C – 600 V	
Nominal cross-section AWG	(mm²)	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	3.3	1.14	3.8	0.66	3.4
-	1.5	0.46	3.4	1.14	3.9	0.66	3.5
14	-	0.46	3.5	1.14	4.4	0.66	3.8
-	2.5	0.46	3.9	1.14	4.5	0.66	4.1
12	-	0.46	4.2	1.14	4.6	0.66	4.6
-	4	0.46	4.3	1.14	4.9	0.66	4.7
10	-	0.46	4.9	1.14	6.0	0.66	4.8
-	6	-	-	-	-	–	-
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	

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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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.
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