

SILICABLE® 350 °C

Composite insulation UL and cUL approval



- 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	Nominal diameter* (mm)	Average thickness of insulation (mm)		Nominal diameter* (mm)	
		Style 5294	Style 5285	Style 5285	Style 5304-VW-1
30	0.05	-	-	-	-
28	0.09	-	-	-	-
26	0.13	-	-	-	-
24	0.22	0.46	2.2	1.14	2.9
22	0.34	0.46	2.4	1.14	3.0
-	0.5	0.46	2.5	1.14	3.2
20	0.6	0.46	2.6	1.14	3.3
-	0.75	0.46	2.8	1.14	3.4
18	0.93	0.46	2.8	1.14	3.5
-	1	0.46	2.9	1.14	3.6
16	1.34	0.46	3.1	1.14	3.8
-	1.5	0.46	3.2	1.14	3.9
14	-	0.46	3.5	1.14	4.1
-	2.5	0.46	3.7	1.14	4.3
12	-	0.46	4.0	1.14	4.6
-	4	0.46	4.2	1.14	4.9
10	-	0.46	4.9	1.14	6.0
-	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	

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.

For this product, please contact:

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