

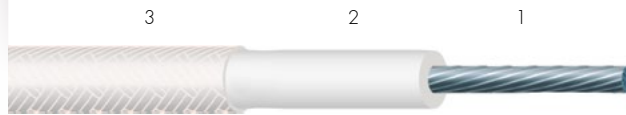
HIGH TEMPERATURE WIRES AND CABLES
FOR THE GENERAL MARKET
SECTION I: CROSS LINKED ELASTOMERS

SILICABLE® 150 °C

Silicone insulation
with fibreglass braid
UL approval



SILICONE INSULATED AND/OR SHEATHED
WIRES AND CABLES WITH REINFORCING BRAID



- 1 • Bare copper, tin-plated, nickel-plated or silver-plated core.
- 2 • Insulation: Silicone rubber.
- 3 • Reinforcement: Coated fibreglass braid.

Characteristics

General

- Continuous operating temperatures: -60 °C to +150 °C.
- Good resistance to thermal shock and UV.

Electrical

- Rated voltage: as per style no.
- Test voltage: 10 x Rated voltage.

Standard products

- All colours including two-coloured.
- Stranding of conducting cores: contact us.

Approvals - standards

- UL approval as per standard UL 758 - File no.: E101965.
- "Horizontal flame test" as per UL approval.
- Halogen-free: IEC 60754-1 / EN 60754-1.

Applications

- Cabling for household electrical heating appliances, rotating machines, lighting.
- Industrial cabling in hot atmospheres.

Options

- Approval CSA as per standard C22.2 No. 210 - File no.: LL84986: contact us.
- Fixture wires (Ref. SF-1 or SF-2 or SFF-1 or SFF-2): contact us.
 - Other nominal cross-sections: contact us.
- Other style nos. available: style nos. 3100, 3101, 3113, 3127, 3128, 3207, 3208, 3210, 3278.
 - Vertical flame test VW-1: contact us.

Style no. Approval

3068

150 °C - 300 V

3132

150 °C - 300 V

3069 (26-20 AWG)

3070 (18-12 AWG)

150 °C - 600 V

3535

150 °C - 600 V

Nominal cross-section		Average thickness of insulation (mm)		Nominal diameter* (mm)		Average thickness of insulation (mm)		Nominal diameter* (mm)		Average thickness of insulation (mm)		Nominal diameter* (mm)	
AWG	(mm ²)												
26	0.13	0.38	1.5	0.38	1.5	0.76	2.3	-	-	-	-	-	-
24	0.22	0.38	1.7	0.38	1.7	0.76	2.4	-	-	-	-	-	-
22	0.34	0.38	1.9	0.38	1.9	0.76	2.7	-	-	-	-	-	-
-	0.5	0.38	2.0	0.38	2.0	0.76	2.8	-	-	-	-	-	-
20	0.6	0.38	2.1	0.38	2.1	0.76	2.9	0.76	2.9	0.76	2.9	0.76	2.9
-	0.75	0.38	2.2	0.38	2.2	-	-	-	-	0.76	3.0	-	-
18	0.93	0.38	2.3	0.38	2.3	0.76	3.1	0.76	3.1	0.76	3.1	0.76	3.1
-	1	0.38	2.4	0.38	2.4	0.76	3.2	0.76	3.2	0.76	3.2	0.76	3.2
16	1.34	0.38	2.6	0.38	2.6	0.76	3.6	0.76	3.6	0.76	3.6	0.76	3.6
-	1.5	0.38	2.7	0.38	2.7	0.76	3.7	0.76	3.7	0.76	3.7	0.76	3.7
14	-	-	-	0.38	3.0	0.76	4.0	0.76	4.0	0.76	4.0	0.76	4.0
-	2.5	-	-	0.38	3.1	0.76	4.1	0.76	4.1	0.76	4.1	0.76	4.1
12	-	-	-	0.38	3.7	0.76	4.5	0.76	4.5	0.76	4.5	0.76	4.5
-	4	-	-	0.38	3.9	0.76	4.7	0.76	4.7	0.76	4.7	0.76	4.7
10	-	-	-	0.38	4.3	-	-	-	-	1.14	5.8	-	-
-	6	-	-	0.38	4.4	-	-	-	-	1.14	6.0	-	-
8	-	-	-	0.38	5.1	-	-	-	-	1.14	6.6	-	-
-	10	-	-	0.38	5.7	-	-	-	-	1.14	7.7	-	-
6	-	-	-	0.38	6.4	-	-	-	-	1.52	8.9	-	-
-	16	-	-	0.38	6.8	-	-	-	-	1.52	9.5	-	-
4	-	-	-	0.38	7.8	-	-	-	-	1.52	10.7	-	-
-	25	-	-	0.38	8.3	-	-	-	-	1.52	11.1	-	-
2	35	-	-	0.38	9.4	-	-	-	-	1.52	11.9	-	-
1	-	-	-	0.38	10.6	-	-	-	-	2.03	14.4	-	-
-	50	-	-	0.38	11.0	-	-	-	-	2.03	15.1	-	-
1/0	-	-	-	0.38	11.7	-	-	-	-	2.03	15.6	-	-
2/0	70	-	-	0.38	12.8	-	-	-	-	2.03	16.5	-	-
3/0	-	-	-	0.38	14.4	-	-	-	-	2.03	18.2	-	-
-	95	-	-	0.38	14.6	-	-	-	-	2.03	18.4	-	-
4/0	-	-	-	0.38	16.1	-	-	-	-	2.41	20.5	-	-
-	120	-	-	0.38	16.4	-	-	-	-	2.41	20.9	-	-
250MCM	-	-	-	-	-	-	-	-	-	2.41	21.7	-	-
-	150	-	-	-	-	-	-	-	-	2.41	22.4	-	-
300MCM	-	-	-	-	-	-	-	-	-	2.41	23.6	-	-
350MCM	185	-	-	-	-	-	-	-	-	2.41	24.6	-	-
400MCM	-	-	-	-	-	-	-	-	-	2.41	25.6	-	-
-	240	-	-	-	-	-	-	-	-	2.41	26.9	-	-
500MCM	-	-	-	-	-	-	-	-	-	2.41	28.2	-	-
-	300	-	-	-	-	-	-	-	-	-	-	-	-
600MCM	-	-	-	-	-	-	-	-	-	-	-	-	-
700MCM	-	-	-	-	-	-	-	-	-	-	-	-	-
750MCM	400	-	-	-	-	-	-	-	-	-	-	-	-
Conducting metal		BCDEFG		BCDEFG		BCDEFG		BCDF		BCDEFG		BCDF	

KEY

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

For this product, please contact:

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* 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.

www.omerin.com

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