

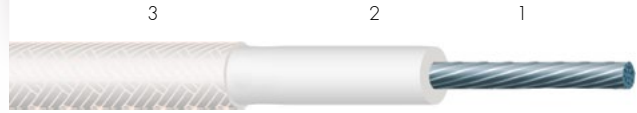
HIGH TEMPERATURE WIRES AND CABLES
FOR THE GENERAL MARKET
SECTION I: CROSS LINKED ELASTOMERS

SILICABLE® 200 °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 +200 °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. 3074, 3075, 3125, 3126, 3144, 3145, 3172, 3209.
- Vertical flame test VW-1 for style no. 3513 and 3122: contact us.

Style no.	3122		3071		3513		3645	
	Approval		200 °C - 300 V		200 °C - 600 V		200 °C - 1000 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)	Average thickness of insulation (mm)	Nominal diameter* (mm)
26	0.13	0.38	-	-	-	-	1.14	3.1
24	0.22	0.38	-	-	-	-	1.14	3.2
22	0.34	0.38	-	-	-	-	1.14	3.5
-	0.5	0.38	-	-	0.76	2.8	1.14	3.7
20	0.6	0.38	-	-	0.76	2.9	1.14	3.9
-	0.75	0.38	-	-	0.76	3.0	1.14	4.0
18	0.93	0.38	0.76	3.1	0.76	3.1	1.14	4.1
-	1	0.38	0.76	3.2	0.76	3.2	1.14	4.2
16	1.34	0.38	0.76	3.6	0.76	3.6	1.14	4.3
-	1.5	0.38	0.76	3.7	0.76	3.7	1.14	4.5
14	-	-	0.76	4.0	0.76	4.0	1.14	4.8
-	2.5	-	0.76	4.1	0.76	4.1	1.14	4.9
12	-	-	-	-	0.76	4.5	1.14	5.1
-	4	-	-	-	0.76	4.7	1.14	5.4
10	-	-	-	-	1.14	5.8	1.14	5.8
-	6	-	-	-	1.14	6.0	1.14	6.0
8	-	-	-	-	1.14	6.6	1.52	7.3
-	10	-	-	-	1.52	8.0	1.52	8.0
6	-	-	-	-	1.52	8.9	1.52	8.9
-	16	-	-	-	1.52	9.5	1.52	9.5
4	-	-	-	-	1.52	10.7	1.52	10.7
-	25	-	-	-	1.52	11.1	1.52	11.1
2	35	-	-	-	1.52	11.9	1.52	11.9
1	-	-	-	-	2.03	14.4	2.03	14.4
-	50	-	-	-	2.03	15.1	2.03	15.1
1/0	-	-	-	-	2.03	15.6	2.03	15.6
2/0	70	-	-	-	2.03	16.5	2.03	16.5
3/0	-	-	-	-	2.03	18.2	2.03	18.2
-	95	-	-	-	2.03	18.4	2.03	18.4
4/0	-	-	-	-	2.41	20.5	2.03	19.7
-	120	-	-	-	2.41	20.9	2.03	20.1
250MCM	-	-	-	-	2.41	21.7	2.41	21.7
-	150	-	-	-	2.41	22.4	2.41	22.4
300MCM	-	-	-	-	2.41	23.6	2.41	23.6
350MCM	185	-	-	-	2.41	24.6	2.41	24.6
400MCM	-	-	-	-	2.41	25.6	2.41	25.6
-	240	-	-	-	2.41	26.9	2.41	26.9
500MCM	-	-	-	-	-	-	2.41	28.2
-	300	-	-	-	-	-	2.79	30.7
600MCM	-	-	-	-	-	-	2.79	31.3
700MCM	-	-	-	-	-	-	2.79	33.2
750MCM	400	-	-	-	-	-	2.79	34.2
Conducting metal	B*CDEF*G		B*CDEF*G		B*CD		B*CDEF*G	

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

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

The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force. 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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