

SILICABLE® 200 °C

**Silicone insulation
with fibreglass braid
UL and cUL 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.
- cUL approval (CSA) as per standard
C22.2 No. 210 -
File no.: E101965 (UL84986).
- "Horizontal flame test" as per UL approval.
 - "FT2 flame rating" as per cUL 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

- 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 VW1 for style no. 3513: contact us.

Style no.		3122		3071		3071		3545		3645	
Approval		200 °C – 300 V		200 °C – 600 V		200 °C – 600 V		200 °C – 1000 V (cUL 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)	Average thickness of insulation (mm)	Nominal diameter* (mm)	Average thickness of insulation (mm)	Nominal diameter* (mm)
AWG	(mm²)										
26	0.13	0.38	1.5	-	-	-	-	1.14	3.1		
24	0.22	0.38	1.7	-	-	-	-	1.14	3.2		
22	0.34	0.38	1.9	-	-	-	-	1.14	3.5		
-	0.5	0.38	2.0	-	-	0.76	2.8	1.14	3.7		
20	0.6	0.38	2.1	-	-	0.76	2.9	1.14	3.9		
-	0.75	0.38	2.2	-	-	0.76	3.0	1.14	4.0		
18	0.93	0.38	2.3	0.76	3.1	0.76	3.1	1.14	4.1		
-	1	0.38	2.4	0.76	3.2	0.76	3.2	1.14	4.2		
16	1.34	0.38	2.6	0.76	3.6	0.76	3.6	1.14	4.3		
-	1.5	0.38	2.7	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			

For this product, please contact:

OMERIN division principale ☒

Zone Industrielle - F 63600 Ambert
Tel. +33 (0)4 73 82 50 00 - Fax +33 (0)4 73 82 50 10
omerin@omerin.com

Omerin division silisol 

BP 87 - ZI du Devey - F 42000 Saint-Étienne
Tel. +33 (0)4 77 81 36 00 - Fax +33 (0)4 77 81 37 00
silisol@omerin.com

KEY

KEY
Conducting metals

B Tin-plated copper

B* Tin-plated copper ($\phi > 0.38$ mm)

C Nickel-plated copper

D Silver-plated copper

E Nickel

F Bare copper

F* Bare copper ($\phi > 0.38$ 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.