

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

SILICABLE® 200 °C Silicone insulation UL and cUL approval



SILICONE INSULATED AND/OR SHEATHED WIRES AND CABLES



- 1 • Bare copper, tin-plated, nickel-plated or silver-plated core.
2 • Insulation: Silicone rubber.

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

- Other nominal cross-sections: contact us.
- Vertical flame test VW1 for style nos. 3512 and 3135: contact us.

Style no.		3367		3135		3139		3143	
Approval		200 °C – 300 V		200 °C – 600 V		200 °C – 600 V		200 °C – 600 V	
Nominal cross-section		Average thickness of insulation	Nominal diameter*	Average thickness of insulation	Nominal diameter*	Average thickness of insulation	Nominal diameter*	Average thickness of insulation	Nominal diameter*
AWG	(mm²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
26	0.13	0.38	1.2	0.76	2.0	1.14	2.8	-	-
24	0.22	0.38	1.4	0.76	2.1	1.14	2.9	-	-
22	0.34	0.38	1.6	0.76	2.4	1.14	3.05	-	-
-	0.5	0.38	1.7	0.76	2.5	1.14	3.2	-	-
20	0.6	0.38	1.8	0.76	2.6	1.14	3.4	-	-
-	0.75	0.38	1.9	0.76	2.65	1.14	3.5	-	-
18	0.93	0.38	2.0	0.76	2.7	1.14	3.6	1.58	4.4
-	1	0.38	2.1	0.76	2.8	1.14	3.7	1.58	4.5
16	1.34	0.38	2.3	0.76	3.05	1.14	3.8	1.58	4.7
-	1.5	0.38	2.4	0.76	3.2	1.14	4.0	1.58	4.8
14	-	0.38	2.7	0.76	3.6	1.14	4.3	1.58	5.1
-	2.5	0.38	2.9	0.76	3.6	1.14	4.4	1.58	5.2
12	-	0.38	3.2	0.76	4.0	1.14	4.6	1.58	5.6
-	4	0.38	3.4	0.76	4.4	1.14	4.9	1.58	5.8
10	-	0.38	4.0	-	-	-	-	-	-
-	6	0.38	4.2	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
-	10	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-
-	16	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-
-	25	-	-	-	-	-	-	-	-
2	35	-	-	-	-	-	-	-	-
1	-	-	-	-	-	-	-	-	-
-	50	-	-	-	-	-	-	-	-
1/0	-	-	-	-	-	-	-	-	-
2/0	70	-	-	-	-	-	-	-	-
3/0	-	-	-	-	-	-	-	-	-
-	95	-	-	-	-	-	-	-	-
4/0	-	-	-	-	-	-	-	-	-
-	120	-	-	-	-	-	-	-	-
250MCM	-	-	-	-	-	-	-	-	-
-	150	-	-	-	-	-	-	-	-
300MCM	-	-	-	-	-	-	-	-	-
350MCM	185	-	-	-	-	-	-	-	-
400MCM	-	-	-	-	-	-	-	-	-
-	240	-	-	-	-	-	-	-	-
500MCM	-	-	-	-	-	-	-	-	-
-	300	-	-	-	-	-	-	-	-
600MCM	-	-	-	-	-	-	-	-	-
700MCM	-	-	-	-	-	-	-	-	-
750MCM	400	-	-	-	-	-	-	-	-
Conducting metal		B*CDEG		B*CDEF*G		B*CDEG		B*CDEG	

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-Etienne
Tel. +33 (0)4 77 81 36 00 - Fax +33 (0)4 77 81 37 00
silisol@omerin.com

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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Style no.		3268		3512**		3530		3755		3572		3644	
Approval		200 °C – 600 V		200 °C – 600 V		200 °C – 600 V		200 °C – 600 V		200 °C – 1000 V (cUL 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)	Average thickness of insulation (mm)	Nominal diameter* (mm)
AWG	(mm ²)												
26	0.13	-	-	-	-	0.76	2.0	0.76	2.0	0.76	2.0	0.76	2.0
24	0.22	-	-	-	-	0.76	2.1	0.76	2.1	0.76	2.1	0.76	2.1
22	0.34	-	-	-	-	0.76	2.4	0.76	2.4	0.76	2.4	0.76	2.4
-	0.5	-	-	0.76	2.5	0.76	2.5	0.76	2.5	0.76	2.5	0.76	2.5
20	0.6	-	-	0.76	2.6	0.76	2.6	0.76	2.6	0.76	2.6	0.76	2.6
-	0.75	-	-	0.76	2.65	0.76	2.65	0.76	2.65	0.76	2.65	0.76	2.65
18	0.93	0.76	2.7	0.76	2.7	0.76	2.7	0.76	2.7	0.76	2.7	0.76	2.7
-	1	0.76	2.8	0.76	2.8	0.76	2.8	0.76	2.8	0.76	2.8	0.76	2.8
16	1.34	0.76	3.05	0.76	3.05	0.76	3.05	0.76	3.05	0.76	3.05	0.76	3.05
-	1.5	0.76	3.2	0.76	3.1	0.76	3.2	0.76	3.2	0.76	3.2	0.76	3.2
14	-	0.76	3.6	0.76	3.6	0.76	3.6	0.76	3.6	0.76	3.5	0.76	3.6
-	2.5	0.76	3.6	0.76	3.6	0.76	3.6	0.76	3.6	0.76	3.6	0.76	3.6
12	-	0.76	4.0	0.76	4.0	0.76	4.0	0.76	4.0	0.76	4.0	0.76	4.0
-	4	0.76	4.4	0.76	4.4	0.76	4.4	0.76	4.4	0.76	4.4	0.76	4.4
10	-	-	-	1.14	5.3	1.14	5.3	0.76	4.6	1.14	5.3	0.76	4.6
-	6	-	-	1.14	5.5	1.14	5.5	0.76	4.8	1.14	5.5	0.76	4.8
8	-	-	-	1.14	6.1	1.52	6.8	-	-	1.52	6.8	1.14	6.1
-	10	-	-	1.52	7.4	1.52	7.4	-	-	1.52	7.4	1.52	7.4
6	-	-	-	1.52	8.3	1.52	8.3	-	-	1.52	8.3	1.52	8.3
-	16	-	-	1.52	8.9	1.52	8.6	-	-	1.52	8.6	1.52	8.9
4	-	-	-	1.52	9.8	1.52	9.8	-	-	1.52	9.8	1.52	9.8
-	25	-	-	1.52	10.2	1.52	10.2	-	-	1.52	10.2	1.52	10.2
2	35	-	-	1.52	11.0	1.52	11.0	-	-	1.52	11.0	1.52	11.0
1	-	-	-	2.03	13.5	2.03	13.5	-	-	-	-	2.03	13.5
-	50	-	-	2.03	14.0	2.03	14.0	-	-	-	-	2.03	14.0
1/0	-	-	-	2.03	14.6	2.03	14.6	-	-	-	-	2.03	14.6
2/0	70	-	-	2.03	16.0	2.03	16.0	-	-	-	-	2.03	16.0
3/0	-	-	-	2.03	17.8	2.03	17.8	-	-	-	-	2.03	17.8
-	95	-	-	2.03	18.4	2.03	18.4	-	-	-	-	2.03	18.4
4/0	-	-	-	2.41	20.0	2.03	19.2	-	-	-	-	2.03	19.2
-	120	-	-	2.41	20.8	2.03	20.0	-	-	-	-	2.03	20.0
250MCM	-	-	-	2.41	21.4	2.41	21.4	-	-	-	-	2.41	21.4
-	150	-	-	2.41	22.3	2.41	22.3	-	-	-	-	2.41	22.3
300MCM	-	-	-	2.41	23.1	2.41	23.1	-	-	-	-	2.41	23.1
350MCM	185	-	-	2.41	24.0	2.41	24.0	-	-	-	-	2.41	24.0
400MCM	-	-	-	2.41	25.3	2.41	25.3	-	-	-	-	2.41	25.3
-	240	-	-	2.41	26.3	2.41	26.3	-	-	-	-	2.41	26.3
500MCM	-	-	-	-	-	2.41	27.7	-	-	-	-	2.41	27.7
-	300	-	-	-	-	2.79	30.1	-	-	-	-	2.79	30.1
600MCM	-	-	-	-	-	2.79	30.7	-	-	-	-	2.79	30.7
700MCM	-	-	-	-	-	2.79	32.6	-	-	-	-	2.79	32.6
750MCM	400	-	-	-	-	2.79	33.6	-	-	-	-	2.79	33.6
Conducting metal		B*CDEF*G		B*CDEG		B*CDEF*G		B*CDEF*G		B*CDEF*G		B*CDEF*G	

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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

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** Also available in a triple UL, cUL and VDE approved version for metric cross-sections from 0.5 mm² to 2.5 mm² (ref. style 3512-VDE).

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