

SILICABLE® 150 °C

Silicone insulation

UL and cUL approval



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.
- cUL approval (CSA) as per standard C22.2 No. 210 - File no.: E101965 (LL84986).
- "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 VW-1 for style no.3132 and 3134: contact us.
- Other style nos. available: style 3113, 3136, 3140, 3141, 3142, 3754.



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

Style no.	3099		3132		3123		3133		
	150 °C - 300 V (cUL 600 V)		150 °C - 300 V		150 °C - 600 V		150 °C - 600 V		
Approval	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)
	AWG (mm²)								
	26 0.13	-	-	0.38 1.2	0.76 2.0	0.76 2.0	0.76 2.0		
	24 0.22	-	-	0.38 1.4	0.76 2.1	0.76 2.1	0.76 2.1		
	22 0.34	-	-	0.38 1.55	0.76 2.35	0.76 2.35	0.76 2.35		
	- 0.5	-	-	0.38 1.7	0.76 2.5	0.76 2.5	0.76 2.5		
	20 0.6	0.76	2.5	0.38 1.75	0.76 2.5	0.76 2.5	0.76 2.5		
	- 0.75	0.76	2.7	0.38 1.9	0.76 2.7	0.76 2.7	0.76 2.7		
	18 0.93	0.76	2.8	0.38 2.0	0.76 2.8	0.76 2.8	0.76 2.8		
	- 1	0.76	2.9	0.38 2.1	0.76 2.8	0.76 2.8	0.76 2.8		
	16 1.34	0.76	3.1	0.38 2.3	0.76 3.0	0.76 3.1	0.76 3.1		
	- 1.5	0.76	3.2	0.38 2.4	0.76 3.2	0.76 3.2	0.76 3.2		
	14 -	-	-	0.38 3.1	-	-	-		
	- 2.5	-	-	0.38 3.4	-	-	-		
	12 -	-	-	0.38 3.8	-	-	-		
	- 4	-	-	0.38 4.2	-	-	-		
	10 -	-	-	0.38 4.6	-	-	-		
	- 6	-	-	0.38 4.8	-	-	-		
	8 -	-	-	0.38 5.3	-	-	-		
	- 10	-	-	0.38 6.4	-	-	-		
	6 -	-	-	0.38 7.1	-	-	-		
	- 16	-	-	0.38 7.8	-	-	-		
	4 -	-	-	0.38 8.8	-	-	-		
	- 25	-	-	0.38 9.6	-	-	-		
	2 35	-	-	0.38 11	-	-	-		
	1 -	-	-	0.38 12.2	-	-	-		
	- 50	-	-	0.38 13.2	-	-	-		
	1/0 -	-	-	0.38 13.9	-	-	-		
	2/0 70	-	-	0.38 14.8	-	-	-		
	3/0 -	-	-	0.38 16.4	-	-	-		
	- 95	-	-	0.38 17.4	-	-	-		
	4/0 -	-	-	0.38 18.8	-	-	-		
	- 120	-	-	0.38 19.4	-	-	-		
	250MCM -	-	-	-	-	-	-		
	- 150	-	-	-	-	-	-		
	300MCM -	-	-	-	-	-	-		
	350MCM 185	-	-	-	-	-	-		
	400MCM -	-	-	-	-	-	-		
	- 240	-	-	-	-	-	-		
	500MCM -	-	-	-	-	-	-		
	- 300	-	-	-	-	-	-		
	600MCM -	-	-	-	-	-	-		
	700MCM -	-	-	-	-	-	-		
	750MCM 400	-	-	-	-	-	-		
Conducting metal		BCD		BCDEFG		BCDEFG		BCDEFG	

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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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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Style no.		3134		3137		3138		3529		3536		3580	
Approval		150 °C – 600 V		150 °C – 600 V		150 °C – 600 V		150 °C – 600 V		150 °C – 600 V		150 °C – 1000 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*	Average thickness of insulation	Nominal diameter*	Average thickness of insulation	Nominal diameter*
AWG	(mm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
26	0.13	-	-	1.14	2.8	-	-	0.76	2.0	-	-	1.14	2.8
24	0.22	-	-	1.14	2.9	-	-	0.76	2.1	-	-	1.14	2.9
22	0.34	-	-	1.14	3.05	-	-	0.76	2.35	-	-	1.14	3.05
-	0.5	-	-	1.14	3.2	-	-	0.76	2.5	0.76	2.5	1.14	3.2
20	0.6	-	-	1.14	3.4	-	-	0.76	2.5	0.76	2.5	1.14	3.4
-	0.75	-	-	-	-	-	-	0.76	2.7	0.76	2.7	1.14	3.5
18	0.93	0.76	2.7	-	-	1.14	3.6	0.76	2.8	0.76	2.8	1.14	3.6
-	1	0.76	2.9	-	-	1.14	3.7	0.76	2.9	0.76	2.9	1.14	3.7
16	1.34	0.76	3.1	-	-	1.14	3.8	0.76	3.1	0.76	3.1	1.14	3.8
-	1.5	0.76	3.2	-	-	1.14	4.0	0.76	3.2	0.76	3.2	1.14	4.0
14	-	0.76	3.6	-	-	1.14	4.3	0.76	3.5	0.76	3.5	1.14	4.3
-	2.5	0.76	3.6	-	-	1.14	4.4	0.76	3.6	0.76	3.6	1.14	4.4
12	-	0.76	4.0	-	-	1.14	4.6	0.76	4.0	0.76	4.0	1.14	4.6
-	4	0.76	4.2	-	-	1.14	4.9	0.76	4.2	0.76	4.2	1.14	4.9
10	-	-	-	-	-	1.14	5.3	1.14	5.3	1.14	5.3	1.14	5.3
-	6	-	-	-	-	1.14	5.6	1.14	5.6	1.14	5.5	1.14	5.6
8	-	-	-	-	-	-	-	1.52	6.8	1.14	6.3	1.52	6.8
-	10	-	-	-	-	-	-	1.52	7.5	1.52	7.6	1.52	7.4
6	-	-	-	-	-	-	-	1.52	8.4	1.52	8.4	1.52	8.4
-	16	-	-	-	-	-	-	1.52	9.0	1.52	9.0	1.52	9.0
4	-	-	-	-	-	-	-	1.52	10.2	1.52	10.2	1.52	10.2
-	25	-	-	-	-	-	-	1.52	10.6	1.52	10.6	1.52	10.6
2	35	-	-	-	-	-	-	1.52	11.4	1.52	11.4	1.52	11.4
1	-	-	-	-	-	-	-	2.03	13.9	2.03	13.9	2.03	13.9
-	50	-	-	-	-	-	-	2.03	14.6	2.03	14.6	2.03	14.6
1/0	-	-	-	-	-	-	-	2.03	15.0	2.03	15.0	2.03	15.0
2/0	70	-	-	-	-	-	-	2.03	15.9	2.03	15.9	2.03	15.9
3/0	-	-	-	-	-	-	-	2.03	17.6	2.03	17.6	2.03	17.6
-	95	-	-	-	-	-	-	2.03	17.8	2.03	17.8	2.03	17.8
4/0	-	-	-	-	-	-	-	2.03	19.1	2.41	19.9	2.03	19.1
-	120	-	-	-	-	-	-	2.03	19.5	2.41	20.3	2.03	19.5
250MCM	-	-	-	-	-	-	-	2.41	21.1	2.41	21.1	2.41	21.1
-	150	-	-	-	-	-	-	2.41	21.8	2.41	21.8	2.41	21.8
300MCM	-	-	-	-	-	-	-	2.41	23.0	2.41	23.0	2.41	23.0
350MCM	185	-	-	-	-	-	-	2.41	24.0	2.41	24.0	2.41	24.0
400MCM	-	-	-	-	-	-	-	2.41	25.0	2.41	25.0	2.41	25.0
-	240	-	-	-	-	-	-	2.41	26.3	2.41	26.3	2.41	26.3
500MCM	-	-	-	-	-	-	-	2.41	27.6	-	-	2.41	27.6
-	300	-	-	-	-	-	-	2.79	30.1	-	-	-	-
600MCM	-	-	-	-	-	-	-	2.79	30.7	-	-	-	-
700MCM	-	-	-	-	-	-	-	2.79	32.6	-	-	-	-
750MCM	400	-	-	-	-	-	-	2.79	33.6	-	-	-	-
Conducting metal		BCDEG		BCDEG		BCDEG		BCDEFG		BCDEFG		BCDEFG	

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