

SILICABLE® 105 °C

Silicone insulation
UL and cUL approval



SILICONE INSULATED AND/OR SHEATHED
WIRES AND CABLES



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

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.
- "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.

Characteristics

General

- Continuous operating temperatures: -60 °C to +105 °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.

Style no.		3232		3243		3171	
Approval		105 °C - 300 V		105 °C - 300 V		105 °C - 600 V	
Nominal cross-section		Avg thick-ness of insulation	Nominal diameter*	Avg thick-ness of insulation	Nominal diameter*	Avg thick-ness of insulation	Nominal diameter*
AWG	(mm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
26	0.13	0.38	1.2	0.38	1.3	0.76	2.0
24	0.22	0.38	1.4	0.38	1.5	0.76	2.2
22	0.34	0.38	1.6	0.38	1.6	0.76	2.4
-	0.5	0.38	1.7	0.38	1.8	0.76	2.5
20	0.6	0.38	1.8	0.38	1.9	0.76	2.6
-	0.75	0.38	1.9	0.38	2.0	0.76	2.7
18	0.93	0.38	2.0	0.38	2.1	0.76	2.8
-	1	0.38	2.1	0.38	2.2	0.76	2.9
16	1.34	0.38	2.3	0.38	2.4	0.76	3.1
-	1.5	0.38	2.4	0.38	2.5	0.76	3.1
14	-	-	-	-	-	0.76	3.6
-	2.5	-	-	-	-	0.76	3.8
12	-	-	-	-	-	0.76	4.1
-	4	-	-	-	-	0.76	4.4
Conducting metal		B		BF (Ø 0.05 mm)		BF (Ø 0.05 mm)	

KEY

Conducting metals

- B Tin-plated copper
- B* Tin-plated copper (e > 0.38 mm)
- C Nickel-plated copper
- D Silver-plated copper
- E Nickel
- F Bare copper
- F* Bare copper (e > 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.

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.

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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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