

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

## SILICABLE® 250°C Silicone insulation UL approval



### SILICONE INSULATED AND/OR SHEATHED WIRES AND CABLES



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

### Characteristics General

- Continuous operating temperatures: -60°C to +250°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.
- "FT2 flame rating" 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

- Other nominal cross-sections: contact us.

### Style no. Approval

		3253		30144		30145	
		250 °C - 300 V		250 °C - 600 V		250 °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)
AWG	(mm²)						
26	0.13	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
22	0.34	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
20	0.6	0.76	2.6	0.76	2.6	0.76	2.6
-	0.75	0.76	2.7	0.76	2.7	0.76	2.7
18	0.93	0.76	2.8	0.76	2.8	0.76	2.8
-	1	0.76	2.8	0.76	2.8	0.76	2.8
16	1.34	0.76	3.1	0.76	3.1	0.76	3.1
-	1.5	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
-	2.5	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
-	4	0.76	4.4	0.76	4.4	0.76	4.4
		CEG		CEG		CEG	

For this product, please contact:

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LES CABLES DE L'EXTREME

### 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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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 some cases, for production purposes, a separating tape may be added between two successive layers. 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. © Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.