

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

SILICABLE® ECSC-VDE and CNCSC-VDE

Double insulating layer
VDE approval
-60 °C to +180 °C



Approvals - standards

- VDE approval: Licence No. 119365.
 - Halogen-free: IEC 60754-1 / EN 60754-1.
 - Safety of household and similar electrical appliances: NF EN 60335-1.

Applications

- Class 2 lighting equipment and convectors or any other household electrical appliance complying with standard NF EN 60335-1.
- Cabling for rotating machines (class H).

Options

- Solid tin-plated copper core (ref. RECSC-VDE) – class 1 as per IEC 60228:
 - > See details of the option below.
 - > Option not available in nickel-plated copper.

SILICONE INSULATED AND/OR SHEATHED WIRES AND CABLES



- Flexible tin-plated (ref. ECSC-VDE) or nickel-plated (ref. CNCSC-VDE) copper core - class 5 as per IEC 60228 / DIN VDE 0295.
- Insulation: Silicone rubber - type EI2 - DIN EN 50363-1.

Characteristics General

- Continuous operating temperatures: -60 °C to +180 °C.
- Good resistance to thermal shock and UV.

Electrical

- Rated voltage: 300/300 V.
- Test voltage: 3750 V.

Standard products

- Inner insulating layer: white.
- Outer insulating layer: all colours including two-coloured.

ECSC-VDE and CNCSC-VDE

Flexible core • class 5 as per IEC 60228

Nominal cross-section (mm²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km) (tin-plated copper core)	Nominal thickness of insulation (mm)		Nominal diameter (mm)	Approximate linear weight (kg/km)
			on the inner layer	on the outer layer		
0.5	16 x 0.20	40.1	0.6	0.6	3.3	14.7
0.75	24 x 0.20	26.7	0.6	0.6	3.6	18.6
1	32 x 0.20	20.0	0.6	0.6	3.7	21.3
1.5	30 x 0.25	13.7	0.7	0.7	4.4	30.4
2.5	50 x 0.25	8.21	0.8	0.8	5.2	45.5

Option • RECSC-VDE

Solid core • class 1 as per IEC 60228

Nominal cross-section (mm²)	Nominal diameter (mm)	Maximum linear resistance at 20 °C (Ω/km)	Nominal thickness of insulation (mm)		Nominal diameter (mm)	Approximate linear weight (kg/km)
			on the inner layer	on the outer layer		
0.5	1 x 0.80	36.7	0.6	0.6	3.2	14.2
0.75	1 x 0.98	24.8	0.6	0.6	3.4	17.5
1	1 x 1.13	18.2	0.6	0.6	3.6	20.9
1.5	1 x 1.38	12.2	0.7	0.7	4.2	29.4
2.5	1 x 1.77	7.56	0.8	0.8	5.0	44.4

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 siliisol

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
siliisol@omerin.com

omerin
LES CABLES DE L'EXTREME

www.omerin.com

® Registered trademark of the OMERIN Group. All information is indicative and may be modified without prior notice. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.