

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

SILICABLE® CS-THT and ECS-THT

Very high temperature insulation
-60 °C to +250 °C

SILICONE INSULATED AND/OR SHEATHED
WIRES AND CABLES



- 1 • Flexible bare copper (ref. CS-THT) or tin-plated (ref. ECS-THT) core - class 5 as per IEC 60228.
- 2 • Insulation: Very high temperature silicone rubber.

Approvals - standards

- Halogen-free:
IEC 60754-1 / EN 60754-1.

Applications

- Cabling for household electrical heating appliances.
- Rotating machines (class H):
 - Lighting.
- Industrial cabling in hot atmospheres.

Options

- Nickel-plated copper core: ref. CNCS-THT.
- Silver-plated copper core: ref. ACS-THT.
- Pure nickel core (not described in IEC 60228): ref. NCS-THT.
- Outer electrical shielding:
 - > Tin-plated copper braid: ref. CSBE-THT or ECSBE-THT.
- Stranded bare copper (ref. CS-THT) or tin-plated (ref. ECS-THT) core - class 2 as per IEC 60228: See details of the option below.
 - Double insulating layers: ref. CSC-THT or ECSC-THT.
- Other nominal cross-sections: contact us.
 - Other options and/or combinations of the options outlined above: contact us.

Characteristics

General

- Continuous operating temperatures: -60 °C to +250 °C.
- Good resistance to thermal shock and UV.

Electrical

- Rated voltage: 300/500 V.
- Test voltage: 2000 V.

Standard products

- All colours including two-coloured.

CS-THT and ECS-THT

Flexible core • class 5 as per IEC 60228

Nominal cross-section (mm²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km) (bare copper core)
0.25 *	14 x 0.15	78.6
0.5	16 x 0.20	39.0
0.75	24 x 0.20	26.0
1	32 x 0.20	19.5
1.5	30 x 0.25	13.3
2.5	50 x 0.25	7.98
4	56 x 0.30	4.95
6	84 x 0.30	3.30

INSULATED WIRE

Nominal thickness of insulation (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)
0.6	1.9	5.8
0.6	2.1	7.8
0.6	2.4	10.9
0.6	2.5	13.2
0.6	2.8	18.2
0.7	3.4	28.9
0.8	4.2	45.7
0.8	4.8	65.3

Option • CS-THT and ECS-THT

Stranded core • class 2 as per IEC 60228

0.5	7 x 0.30	36.0
0.75	7 x 0.37	24.5
1	7 x 0.43	18.1
1.5	7 x 0.52	12.1
2.5	7 x 0.67	7.41
4	7 x 0.85	4.61
6	7 x 1.04	3.08

INSULATED WIRE

0.6	2.1	7.8
0.6	2.4	10.9
0.6	2.5	13.4
0.6	2.8	18.3
0.7	3.4	29.1
0.8	4.2	46.0
0.8	4.8	65.7

* Nominal cross-section not included in IEC 60228.

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 silişol □

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
silişol@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.