

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

SILICONE INSULATED AND/OR SHEATHED
WIRES AND CABLES

SILICABLE® CS-THT and ECS-THT

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



- 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

Nominal cross-section (mm²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
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

Nominal thickness of insulation (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)
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:

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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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LES CABLES DE L'EXTREME