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 — **INSULATED WIRE**

Nominal cross-section (mm²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km) (bare copper core)	Nominal thickness of insulation (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)
0.25 *	14 x 0.15	78.6	0.6	1.9	5.8
0.5	16 x 0.20	39.0	0.6	2.1	7.8
0.75	24 x 0.20	26.0	0.6	2.4	10.9
1	32 x 0.20	19.5	0.6	2.5	13.2
1.5	30 x 0.25	13.3	0.6	2.8	18.2
2.5	50 x 0.25	7.98	0.7	3.4	28.9
4	56 x 0.30	4.95	0.8	4.2	45.7
6	84 x 0.30	3.30	0.8	4.8	65.3

Option • CS-THT and ECS-THT

Stranded core • class 2 as per IEC 60228 — **INSULATED WIRE**

0.5	7 x 0.30	36.0	0.6	2.1	7.8
0.75	7 x 0.37	24.5	0.6	2.4	10.9
1	7 x 0.43	18.1	0.6	2.5	13.4
1.5	7 x 0.52	12.1	0.6	2.8	18.3
2.5	7 x 0.67	7.41	0.7	3.4	29.1
4	7 x 0.85	4.61	0.8	4.2	46.0
6	7 x 1.04	3.08	0.8	4.8	65.7

* Nominal cross-section not included in IEC 60228.

For this product, please contact:

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