SILICONE INSULATED AND/OR SHEATHED
WIRES AND CABLES

SILICABLE® CS and ECS
-60 °C to +180 °C

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

Approvals - standards

• Halogen-free: IEC 60754-1 / EN 60754-1.
• Low corrosivity of gas emissions: IEC 60754-2 / EN 60754-2.
• Low smoke density: IEC 61034-2 / EN 61034.
• Fire retardant: NF C 32-070 test C1.

Applications

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

Options

• Nickel-plated copper core: ref. CNCS.
• Silver-plated copper core: ref. ACS.
• Pure nickel core (not described in IEC 60228): ref. NCS.
• Outer electrical shielding:
> Tin-plated copper braid: ref. CSBE or ECSBE.
• Outer Flexible armour:
> Galvanised steel braid: ref. CSBG or ECSBG.
> Stainless steel braid: ref. CSBI or ECSBI.
• Stranded bare copper (ref. CS) or tin-plated (ref. ECS) core - class 2 as per IEC 60228: see details of the option below.
• 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 +180 °C.
• Good resistance to thermal shock and UV.

Electrical

	S < 2.5 mm²	S ≥ 2.5 mm²
• Rated voltage:	300/500 V	600/1000 V.
• Test voltage:	2000 V	3000 V.

Standard products

• Up to 120 mm²: all colours including two-coloured.
• From 150 mm² to 400 mm²: all colours except two-coloured.

CS and ECS

Flexible core • class 5 as per IEC 60228			INSULATED WIRE OR CABLE		
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	8.6
0.6 *	19 x 0.20	32.8	0.6	2.2	9.6
0.75	24 x 0.20	26.0	0.6	2.4	12.0
1	32 x 0.20	19.5	0.6	2.5	14.3
1.5	30 x 0.25	13.3	0.6	2.8	19.4
2.5	50 x 0.25	7.98	0.7	3.4	30.6
4	56 x 0.30	4.95	0.8	4.2	48.2
6	84 x 0.30	3.30	0.8	4.8	68.4
10	80 x 0.40	1.91	1.0	6.4	113
16	126 x 0.40	1.21	1.2	7.8	171
25	196 x 0.40	0.780	1.4	9.6	269
35	276 x 0.40	0.554	1.4	11.0	359
50	396 x 0.40	0.386	1.6	13.2	514
70	360 x 0.50	0.272	1.6	14.8	693
95	485 x 0.50	0.206	1.8	17.4	937
120	608 x 0.50	0.161	1.8	19.4	1186
150	756 x 0.50	0.129	2.0	21.4	1459
185	944 x 0.50	0.106	2.2	23.9	1834
240	1221 x 0.50	0.0801	2.2	26.4	2371
300	1525 x 0.50	0.0641	2.4	29.9	2990
400	2037 x 0.50	0.0486	2.6	34.2	3933

Option • CS and ECS

Stranded core • class 2 as per IEC 60228			INSULATED WIRE		
0.5	7 x 0.30	36.0	0.6	2.0	8.1
0.75	7 x 0.37	24.5	0.6	2.4	12.0
1	7 x 0.43	18.1	0.6	2.5	14.4
1.5	7 x 0.52	12.1	0.6	2.7	19.0
2.5	7 x 0.67	7.41	0.7	3.4	30.9
4	7 x 0.85	4.61	0.8	4.2	48.6
6	7 x 1.04	3.08	0.8	4.7	67.8

* Nominal cross-sections not described in IEC 60228.

For this product, please contact:

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LES CABLES DE L'EXTREME

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