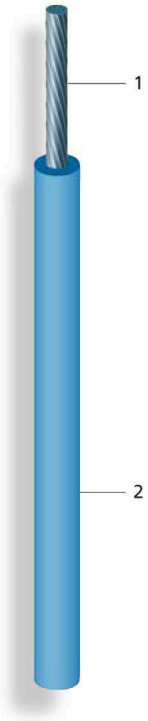
SILICABLE®

CS and ECS

- 60°C to + 180°C

1 - Flexible red copper core **(CS)** or tinned **(ECS)** - class 5 - IEC 60228.
2 - Silicone rubber - type EI2 - HD 22.1.



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CHARACTERISTICS

Physical-chemical

- Continuous working temperatures: - 60°C to + 180°C
  Peaks at + 230°C.
- Good resistance to thermal shock and UV.
- Excellent ageing resistance.

Electrical

- Working voltage: 600/1000 V
- Test voltage: 3000 V

PRODUCTS

- 0.25 to 6 mm²: all colours, including two-colour.
- 10 to 400 mm²: white, black, other colours on request.

PACKAGING

- Rolls, spools, drums or SILIBOX®.

OPTIONS

- Nickel-plated copper core: ref. CNCS.
- Pure nickel core: ref. NCS.
- Mechanical outer shielding:
  - in galvanized steel: ref. CSBG.
  - in stainless steel: ref. CSBI.
- Other options: consult us.

APPROVALS - STANDARDS

- VERITAS test report N° 2501 3832 C00 I
- CNET-approved silicone insulation as per specification CM26 / NF C 32-062.
- Halogen-free cable, meets requirements of test C1 of standard NF C 32-070.
- Silicone compound to HD 22.1 - type EI2.
- Fire behaviour as per standards IEC 60332-1 and IEC 60331: consult us.
- Low emission of fumes, to standard IEC 61034 (NF C 32-073).
- Low corrosiveness of emitted gases, to standard IEC 754-2.

APPLICATIONS

- Wiring of domestic electrical heating appliances.
- Rotating machines (class H).
- Urban lighting.
- Industrial wiring in hot environments.

CORE

Nominal cross-section mm²	Nominal stranding	Max. linear resistance at 20°C Ω/km (red copper core)
0.25	14 x 0.15 or 8 x 0.20	78.6
0.4	12 x 0.20	52.4
0.5	16 x 0.20	39.0
0.6	19 x 0.20	32.8
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
10	80 x 0.40	1.91
16	126 x 0.40	1.21
25	196 x 0.40	0.78
35	276 x 0.40	0.554
50	396 x 0.40	0.386
70	360 x 0.50	0.272
95	485 x 0.50	0.206
120	608 x 0.50	0.161
150	756 x 0.50	0.129
185	944 x 0.50	0.106
240	1221 x 0.50	0.0801
300	1525 x 0.50	0.0641
400	2037 x 0.50	0.0486

INSULATED WIRE OR CABLE

Nominal thickness of insulating sheath mm	Nominal outer diameter mm	Approx. linear weight kg/km
0.6	2.3	7.30
0.6	2.4	9.07
0.6	2.5	10.3
0.6	2.6	11.6
0.6	2.8	13.9
0.6	2.9	16.4
0.6	3.2	22.3
0.7	3.6	32.9
0.8	4.6	53.2
0.8	5.2	74.9
1.0	6.4	123
1.2	7.8	187
1.4	9.6	290
1.4	11.0	395
1.6	13.2	553
1.6	14.8	746
1.8	17.4	1006
1.8	19.4	1253
2.0	21.4	1563
2.2	23.9	1920
2.2	26.4	2535
2.4	29.9	3072
2.6	34.2	4100

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