

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

SILICABLE® CSP and ECSP -60 °C to +180 °C



Approvals - standards

- VERITAS approval certificate No. BV 153552.
- Halogen-free: IEC 60754-1 / EN 60754-1.

Applications

- Cabling for rotating machines: motors, alternators, generators.
- Cabling for static machines: transformers, inductors, inverters, choppers.
- Shipbuilding and railway construction.
 - Power cabinets.

Options

- Solid bare copper (ref. RCSP) or tin-plated (ref. RECSP) core – class 1 as per IEC 60228: contact us.
- Extra-flexible bare copper (ref. CSP-ES) or tin-plated (ref. ECSP-ES) core – class 6 as per IEC 60228: contact us.
- Other nominal cross-sections: contact us.
 - Other nominal stranding: contact us.
 - Other options: contact us.

SILICONE INSULATED AND/OR SHEATHED WIRES AND CABLES WITH REINFORCING BRAID



- 1 • Flexible bare copper (ref. CSP) or tin-plated (ref. ECSP) core - class 5 as per IEC 60228.
- 2 • Optional separating tape.
- 3 • Insulation: Silicone rubber.
- 4 • Reinforcement: Coated synthetic fibre braid.

Characteristics

General

- Continuous operating temperatures: -60 °C to +180 °C.
- Good resistance to thermal shock and UV.
- Excellent mechanical strength.

Electrical

- | | | |
|------------------|----------------------------------|-------------------------------|
| | CS < 10 mm² | CS ≥ 10 mm² |
| • Rated voltage: | 450/750 V | 600/1000 V. |
| • Test voltage: | 2500 V | 3000 V. |

Standard products

- All solid colours, yellow/green or white with coloured spiral markings.

CSP and ECSP

Flexible core • class 5 as per IEC 60228

Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km) (bare copper core)
0.25*	8 x 0.20	78.9
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
10	80 x 0.40	1.91
16	126 x 0.40	1.21
25	196 x 0.40	0.780
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 insulation (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)
0.4	1.8	5.4
0.4	2.0	7.9
0.4	2.2	10.3
0.4	2.3	12.5
0.4	2.7	17.7
0.5	3.3	29.6
0.6	4.1	45.0
0.8	5.1	68.7
1.0	7.2	122
1.2	8.6	180
1.4	10.4	277
1.6	11.9	373
1.8	14.1	542
1.8	15.9	726
2.2	18.2	964
2.3	20.7	1214
2.6	23.2	1522
2.7	25.2	1847
3.2	29.2	2512
3.2	31.6	3093
3.2	35.2	3807

* 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-Étienne
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.