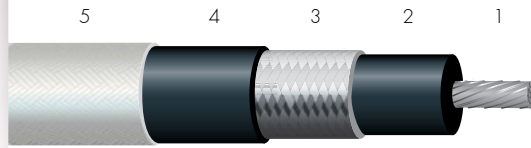


HIGH TEMPERATURE WIRES AND CABLES  
FOR THE GENERAL MARKET  
SECTION I: CROSS LINKED ELASTOMERS

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

# SILICABLE® ECSBECSP

## -60 °C to +180 °C



- 1 • Flexible tin-plated copper core - class 5 as per IEC 60228.
- 2 • Insulation: Silicone rubber.
- 3 • Electrical shielding: Tin-plated copper braid.
- 4 • Sheath: Silicone rubber.
- 5 • Reinforcement: Coated synthetic fibre braid.

### Approvals - standards

- Bureau VERITAS approval certificates no. 06465/DO BV: compliance with the tests described as per standards IEC 60092-350/353/360, IEC 60332-1-1/2, IEC 60332-3-22 and IEC 60331-11/21.
- Lloyd's Register approval certificates no. 06/00106: compliance with the tests described as per standards IEC 60228, IEC 60092-350/353/360, IEC 60332-1-1/2, IEC 60332-3-22 and IEC 60331-11/21.

### Applications

- Industrial cabling in hot atmospheres up to 180 °C.
  - Cabling for rotating machines: motors, alternators, generators.
  - Cabling for static machines: transformers, inductors, inverters, choppers.
  - Shipbuilding and railway construction.
  - Power cabinets.
- Cabling requiring excellent mechanical strength.

### Options

- Flexible bare copper core – class 5 as per IEC 60228 (ref. CSBECSP): contact us.
- Flexible silver-plated copper core – class 5 as per IEC 60228 (ref. ACSBECSP): contact us.
- Flexible nickel-plated copper core – class 5 as per IEC 60228 (ref. CNCSBECSP): contact us.
- Without reinforcing braid (ref. ECSBECSP): contact us.
- Varnished synthetic fibre reinforcing braid: contact us.
- Very high temperature fibre reinforcing braid: contact us.
  - Other colours: contact us.
- Other nominal cross-sections: contact us.
  - Other nominal stranding: 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.
- Excellent mechanical strength.

### Electrical

- Rated voltage: 600/1000 V.
- Test voltage: 3500 V.

### Standard products

- Standard insulation colour: black.
- Standard sheath colour: black.
- Standard reinforcing braid colour: grey.

### ECSBECSP

Flexible core • class 5 as per IEC 60228			SHEATHED WIRE OR CABLE	
Nominal cross-section (mm²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)	Nominal diameter (mm)	Approximate linear weight (kg/km)
1.5	30 x 0.25	13.7	7.3	81
2.5	50 x 0.25	8.21	7.8	95
4	56 x 0.30	5.09	8.4	114
6	84 x 0.30	3.39	9.1	139
10	80 x 0.40	1.95	10.5	202
16	126 x 0.40	1.24	11.6	261
25	196 x 0.40	0.795	13.6	386
35	276 x 0.40	0.565	14.8	477
50	396 x 0.40	0.393	16.9	665
70	360 x 0.50	0.277	19.7	893
95	485 x 0.50	0.210	21.8	1129
120	608 x 0.50	0.164	24.1	1460
150	756 x 0.50	0.132	26.5	1788
185	944 x 0.50	0.108	28.9	2230
240	1221 x 0.50	0.0817	32.4	2859
300	1525 x 0.50	0.0654	35.5	3475

For this product, please contact:

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The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force.

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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