

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

# SILICABLE® RCS and RECS

Solid core

## -60 °C to +180 °C

SILICONE INSULATED AND/OR SHEATHED  
WIRES AND CABLES



- 1 • Solid bare copper (ref. RCS) or tin-plated (ref. RECS) core - class 1 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 61034-2.

### Applications

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

### Options

- Outer electrical shielding:
- > Tin-plated copper braid: ref. RCSBE or RECSBE.
- Other nominal cross-sections: contact us.
- Other options: contact us.

### Characteristics

#### General

- Continuous operating temperatures: -60 °C to +180 °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.

### RCS and RECS

#### Solid core • class 1 as per IEC 60228

Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km) (bare copper core)
0.5	1 x 0.80	36.0
0.75	1 x 0.98	24.5
1	1 x 1.13	18.1
1.5	1 x 1.38	12.1
2.5	1 x 1.77	7.41
4*	1 x 2.24	4.61
6*	1 x 2.76	3.08

#### INSULATED WIRE

Nominal thickness of insulation (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)
0.6	2.0	8.4
0.6	2.2	11.3
0.6	2.4	14.2
0.6	2.6	19.1
0.7	3.2	30.4
0.8	3.9	47.2
0.8	4.4	67.4

\* Nominal cross-sections not available with the ref. RECS.

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LES CABLES DE L'EXTREME

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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