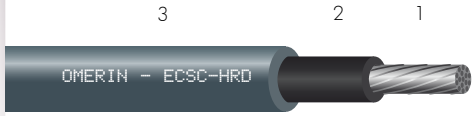
# SILICABLE® ECSC-HRD

## *Sheathing with improved mechanical strength*

## *-40°C to +180°C*




1 • Flexible tinned copper core - Class 5 as per IEC 60228.
2 • Insulation: Silicone rubber.
3 • Sheath: Silicone rubber with high mechanical properties.

## Approvals - standards

- Conductor resistance according to IEC 60228 class 5.
- Flame retardant according to IEC 60332-1-2.
- Low smoke toxicity according to IEC 60754-2.
- Halogen free according to IEC 60754-1.
- AD 7 - as per NF C 15-100-1.

## Applications

- All industrial applications for which power cables can be submitted to oil, hydrocarbons, humidity or mechanical forces.
- Cabling for rotating machines: motors, alternators, generators.
- Cabling for static machines: transformers, inductors, inverters, choppers.
- Power cabinets.

## Characteristics

### General

- Continuous operating temperatures: -40°C to +180°C.
- Good resistance to alternate bending.
- Good resistance to acids and base.
- Good resistance to mineral oil.
- Bending radius as per EN 50355: 5 x D.

### Electrical

- Operating voltage: 1.8 / 3 kV AC.
- Test voltage (5min in water): 6.5 kV AC.

## Standard product

- Colour: black.

## Marking

- OMERIN – ECSC-HRD – {cross-section/mm²}

### SILICABLE® ECSC-HRD

| Nominal cross-section (mm²) | Maximum strands diameter (mm) | Nominal thickness of insulation (mm) | Nominal thickness of sheath (mm) | Nominal cable diameter (mm) | Max. linear resistance at 20°C (Ω/km) |
|---|---|---|---|---|---|
| 10 | 0.41 | 1.0 | 1.0 | 8.2 | 1.95 |
| 16 | 0.41 | 1.0 | 1.0 | 9.5 | 1.24 |
| 25 | 0.41 | 1.0 | 1.2 | 11.3 | 0.795 |
| 35 | 0.41 | 1.5 | 1.2 | 13.6 | 0.565 |
| 50 | 0.41 | 1.5 | 1.4 | 15.7 | 0.393 |
| 70 | 0.51 | 1.5 | 1.4 | 17.6 | 0.277 |
| 95 | 0.51 | 1.5 | 1.4 | 19.2 | 0.210 |
| 120 | 0.51 | 2.0 | 1.4 | 21.9 | 0.164 |
| 150 | 0.51 | 2.0 | 1.6 | 24.1 | 0.132 |
| 185 | 0.51 | 2.0 | 1.6 | 25.9 | 0.108 |
| 240 | 0.51 | 2.0 | 1.8 | 28.8 | 0.0817 |
| 300 | 0.51 | 2.7 | 1.9 | 33.4 | 0.0654 |
| 400 | 0.51 | 2.7 | 2.0 | 37.1 | 0.0495 |
| 500 | 0.51 | 2.7 | 2.0 | 40.2 | 0.0391 |
| 630 | 0.51 | 3.0 | 2.2 | 45.4 | 0.0292 |

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LES CABLES DE L'EXTREME

www.omerin.com

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 some cases, for production purposes, a separating tape may be added between two successive layers. 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.® Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.