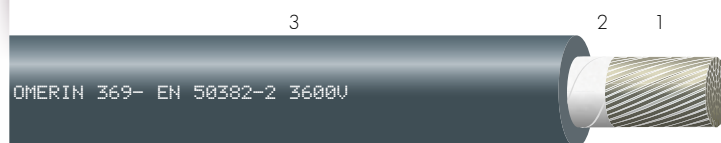


# SILICABLE® RW

## EN 50382-2 3600V F 120°C

### Unsheathed cable

HIGH TEMPERATURE POWERCABLES  
EN 50382-2

- 1 • Flexible tin-plated copper core - class 5 - EN 60228.
- 2 • Separating tape (optional).
- 3 • Silicone rubber with high mechanical properties - type EI 111 as per EN 50382-1.

### Characteristics

#### Thermal

Continuous operating temperature:  
-40 °C to +120 °C.

#### Electrical

Operating voltage: 3.6 / 6 kV.  
Test voltage: 11 kV A.C.

#### Mechanical

Resistance to alternate bending: ★★★★★☆  
Resistance to abrasion: ★★★★★☆  
Minimum static internal bending radius  
(EN 50355): 3xD.

#### Chemical

Acid and base resistance: ★★★★★☆  
Mineral oil resistance: ★★★★★☆

#### Fire-smoke

Halogen-free (EN 60754-1).  
Low toxicity (EN 60754-2).  
Low smoke (EN 61034-2).  
Flame retardant (EN 60332-1-2, EN 60332-3-24).  
Fire-smoke protection (EN 45545-2, NFPA 130).

### Options

Cable with synthetic reinforcing braid.  
Ref: SILICABLE® RW EN 50382-2 3600V FZ 120°C.  
Temperature 150°C authorized for CuSn.

### Standards and approvals

- EN 60228, EN 50382-1, EN 50382-2.
- EN 60754-1, EN 60754-2.
- EN 60332-1-2, EN 60332-3-24, EN 61034-2.

### Marking

OMERIN 369- EN 50382-2 3600V 1x < cross-section > F 120°C - batch number - week/year

Item code	Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Nominal wall thickness (mm)	Cable outer diameter (mm)		Maximum linear resistance at 20 °C (Ω/km)	Approx. linear weight (kg/km)
				Mini	Maxi		
A0819001	2.5	50 x 0.25	3	7.6	8.9	8.21	80
A0819002	4	56 x 0.30	3	8.1	9.5	5.09	100
A0819003	6	84 x 0.30	3	9.0	10.6	3.39	130
A0819004	10	80 x 0.40	3	9.5	11.1	1.95	180
A0819005	16	126 x 0.40	3	10.5	12.3	1.24	250
A0819006	25	196 x 0.40	3	11.8	13.8	0.795	350
A0819007	35	276 x 0.40	3	13.0	15.2	0.565	450
A0819008	50	396 x 0.40	3	14.4	16.9	0.393	600
A0819009	70	360 x 0.50	3	16.1	18.9	0.277	800
A0819010	95	485 x 0.50	3	17.5	20.5	0.210	1050
A0819011	120	608 x 0.50	3.1	19.3	22.6	0.164	1300
A0819012	150	756 x 0.50	3.1	20.8	24.4	0.132	1550
A0819013	185	944 x 0.50	3.2	22.6	26.5	0.108	1950
A0819014	240	1221 x 0.50	3.4	25.4	29.8	0.0817	2500
A0819015	300	1525 x 0.50	3.4	27.7	32.4	0.0654	3050
A0819016	400	2037 x 0.50	3.4	30.8	36.0	0.0495	3950

If textile braid, maximal diameter should be increased by 0.8 mm.

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 silisol

BP 87 - ZI du Devev - F 42000 Saint-Etienne  
Tel. +33 (0)4 77 81 36 00 - Fax +33 (0)4 77 81 37 00  
silisol@omerin.com

[www.omerin.com](http://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.

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