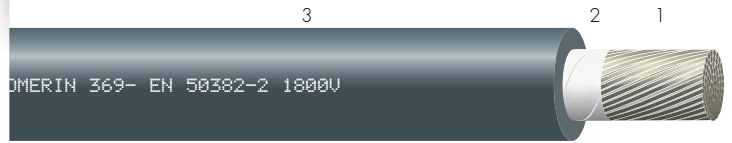


# SILICABLE® RW

## EN 50382-2 1800V 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: 1.8 / 3 kV.  
Test voltage: 6.5 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 1800V 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 1800V 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		
A0821005	1.5	30 x 0.25	2.5	6.3	7.3	13.7	60
A0821006	2.5	50 x 0.25	2.5	6.7	7.8	8.21	70
A0821007	4	56 x 0.30	2.5	7.2	8.4	5.09	90
A0821008	6	84 x 0.30	2.5	7.7	9	3.39	115
A0821009	10	80 x 0.40	2.5	8.5	10	1.95	160
A0821010	16	126 x 0.40	2.5	9.6	11.2	1.24	230
A0821003	25	196 x 0.40	2.5	10.9	12.7	0.795	320
A0821011	35	276 x 0.40	2.5	12.1	14.1	0.565	420
A0821012	50	396 x 0.40	2.5	13.5	15.8	0.393	570
A0821004	70	360 x 0.50	2.5	15.2	17.8	0.277	770
A0821002	95	485 x 0.50	2.7	17	19.9	0.210	1030
A0821013	120	608 x 0.50	2.7	18.6	21.7	0.164	1270
A0821014	150	756 x 0.50	2.7	20.1	23.5	0.132	1560
A0821001	185	944 x 0.50	2.7	21.7	25.4	0.108	1900
A0821015	240	1221 x 0.50	2.7	24.1	28.2	0.0817	2410
A0821016	300	1525 x 0.50	2.7	26.4	30.9	0.0654	2970
A0821017	400	2037 x 0.50	2.9	29.9	34.9	0.0495	3900

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 Devey - 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 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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