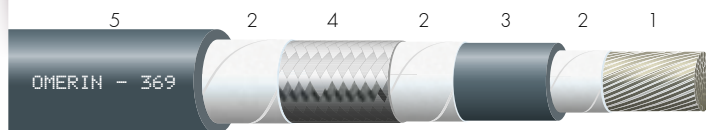


# SILICABLE® RW

## EN 50382-2 3600V FF S 120 °C

### Sheathed and screened cable

HIGH TEMPERATURE POWERCABLES  
EN 50382-2

### Characteristics

#### Thermal

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

#### Electrical

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

#### Mechanical

Cut-through resistance: ★★★★★  
Resistance to alternate bending: ★★★★★  
Resistance to abrasion: ★★★★★  
Minimum static internal bending radius  
(EN 50355): 10xD.

#### Chemical

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

#### Fire-smoke

Halogen-free (EN 60754-1).  
Low toxicity (EN 60754-2).  
Flame retardant (EN 60332-1-2, EN 60332-3-24).

- 1 • Flexible tin-plated copper core - class 5 - EN 60228.
- 2 • Separating tape (optional).
- 3 • Silicone rubber insulation with high mechanical properties - type EI 111 as per EN 50382-1.
- 4 • Tin-plated copper braid.
- 5 • Silicone rubber sheath with high mechanical properties - type EM 107 as per EN 50382-1.

### 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 > FF S 120 °C - batch number - week/year

Nominal cross-section (mm²)	Nominal stranding	Nominal insulation thickness (mm)	Insulation diameter (mm)		Nominal sheath thickness (mm)	Cable outer diameter (mm)		Maximum linear resistance at 20 °C (Ω/km)	Approx. linear weight (kg/km)
			Mini	Maxi		Mini	Maxi		
2.5	50 x 0.25	3	7.6	8.9	1.4	11.6	13.0	8.21	195
4	56 x 0.30	3	8.1	9.5	1.4	12.1	13.5	5.09	220
6	84 x 0.30	3	9.0	10.6	1.4	12.6	14.0	3.39	250
10	80 x 0.40	3	9.5	11.1	1.5	14.0	15.4	1.95	320
16	126 x 0.40	3	10.5	12.3	1.5	15.1	16.5	1.24	400
25	196 x 0.40	3	11.8	13.8	1.5	16.9	18.3	0.795	540
35	276 x 0.40	3	13.0	15.2	1.6	18.1	19.5	0.565	660
50	396 x 0.40	3	14.4	16.9	1.6	19.3	21.3	0.393	840
70	360 x 0.50	3	16.1	18.9	1.8	21.9	23.9	0.277	1090
95	485 x 0.50	3	17.5	20.5	2	24.4	26.4	0.210	1420
120	608 x 0.50	3.1	19.3	22.6	2	26.1	28.1	0.164	1700
150	756 x 0.50	3.1	20.8	24.4	2.4	28.7	31.7	0.132	2085
185	944 x 0.50	3.2	22.6	26.5	2.4	30.6	33.6	0.108	2465
240	1221 x 0.50	3.4	25.4	29.8	2.6	34.0	37.0	0.0817	3100
300	1525 x 0.50	3.4	27.7	32.4	2.6	37.2	40.2	0.0654	3740
400	2037 x 0.50	3.4	30.8	36.0	2.8	40.9	44.9	0.0495	4780

This product is a cable EN 50382-2 3600V 120 °C screened and sheathed.  
It is not described in EN 50382-1 and EN 50382-2 standards.

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.  
® Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.

**omerin**  
LES CABLES DE L'EXTREME