

# SILICABLE® RW

## EN 50382-2 1800V FF S 120°C

Sheathed and screened cable

Technical sheet  
N° A0835

### Technical data

#### Thermal

Continuous working temperature:  
-40°C at +120°C

#### Electrical

Working voltage: 1.8 / 3 kV  
Test voltage: 6.5 kV A.C

#### Mechanical

Cut resistance: ★★★★★  
Alternate flexion resistance: ★★★★★☆  
Abrasion resistance: ★★★★★☆  
Bending radius: 10xD

#### Chemical

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

#### Fire-smoke

Halogen free (EN 50267-2-1)  
Low toxicity (EN 50267-2-2)  
Flame retardant (EN 60332-1-2, EN 50266-2-4)  
Fire-smoke protection (NF F 16-101)

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 42010 Saint-Étienne  
Tel. +33 (0)4 77 81 36 00 - Fax +33 (0)4 77 81 37 00  
silisol@omerin.com

**omerin**  
*les câbles de l'extrême*

### Reference

SILICABLE® RW EN 50382-2 1800V FF S 120°C

### Marking

OMERIN 369 EN 50382-2 1800V 1x < cross-section >  
FF S 120°C - batch number - week/year



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

Nominal cross section (mm²)	Nominal stranding	Nominal insulation thickness (mm)	Insulation diameter (mm)		Nominal sheath thickness (mm)	Outer diameter (mm)		Maximum linear resistance at 20°C (Ω/km)	Approx. linear weight (kg/km)
			Mini	Maxi		Mini	Maxi		
1.5	30x0.25	2.5	6.3	7.3	1.2	9.7	10.7	13.7	130
2.5	50x0.25	2.5	6.7	7.8	1.4	10.4	11.8	8.21	160
4	56x0.30	2.5	7.2	8.4	1.4	11.1	12.5	5.09	190
6	84x0.30	2.5	7.7	9	1.4	11.6	13.0	3.39	220
10	80x0.40	2.5	8.5	10	1.4	12.8	14.2	1.95	280
16	126x0.40	2.5	9.6	11.2	1.5	14.1	15.5	1.24	365
25	196x0.40	2.5	10.9	12.7	1.5	15.7	17.1	0.795	500
35	296x0.40	2.5	12.1	14.1	1.5	17.1	18.5	0.565	635
50	396x0.40	2.5	13.5	15.8	1.6	18.5	19.9	0.393	790
70	360x0.50	2.5	15.2	17.8	1.8	20.9	22.9	0.277	1060
95	475x0.50	2.7	17	19.9	1.8	23.1	25.1	0.210	1330
120	608x0.50	2.7	18.6	21.7	2.0	25.3	27.3	0.164	1660
150	756x0.50	2.7	20.1	23.5	2.2	27.9	29.9	0.132	2010
185	925x0.50	2.7	21.7	25.4	2.4	29.5	32.5	0.108	2390
240	1221x0.50	2.7	24.1	28.2	2.4	32.2	35.2	0.0817	2975
300	1525x0.50	2.7	26.4	30.9	2.6	35.8	38.8	0.0654	3630
400	2037x0.50	2.9	29.9	34.9	2.8	39.9	43.9	0.0495	4690

This product is a cable EN 50382-2 1800V F 120°C screened and sheathed.  
It is not described in EN 50382-1 and EN 50382-2 standards.

www.omerin.com

© : Marque déposée du groupe OMERIN.  
Informations indicatives, susceptibles de modifications sans préavis. Reproduction interdite sans l'accord préalable d'OMERIN