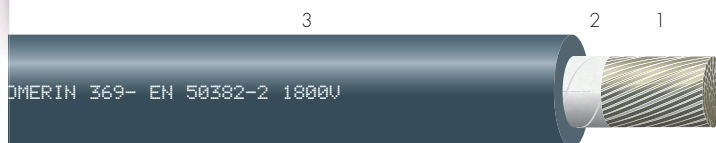


CABLE SOLUTIONS
FOR ROLLING STOCK

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 50267-2-1).
Low toxicity (EN 50267-2-2).
Low smoke (EN 61034-2).

Flame retardant (EN 60332-1-2, EN 60332-3-24).
Fire-smoke protection (NF F 16-101, BS 6853,
IEC 11170-3, DIN 5510-2, EN 45545-2, NFPA 130).

Options

Cable with synthetic reinforcing braid.

Ref: SILICABLE® RW EN 50382-2 1800V FZ 120 °C.

Standards and approvals

- EN 60228, EN 50382-1, EN 50382-2.
- EN 50267-2-1, EN 50267-2-2.
- EN 60332-1-2, EN 60332-3-24, EN 61034-2.
- NF F 16-101.

Marking

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

Nominal cross-section (mm²)	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		
1.5	30 x 0.25	2.5	6.3	7.3	13.7	60
2.5	50 x 0.25	2.5	6.7	7.8	8.21	70
4	56 x 0.30	2.5	7.2	8.4	5.09	90
6	84 x 0.30	2.5	7.7	9	3.39	115
10	80 x 0.40	2.5	8.5	10	1.95	160
16	126 x 0.40	2.5	9.6	11.2	1.24	230
25	196 x 0.40	2.5	10.9	12.7	0.795	320
35	276 x 0.40	2.5	12.1	14.1	0.565	420
50	396 x 0.40	2.5	13.5	15.8	0.393	570
70	360 x 0.50	2.5	15.2	17.8	0.277	770
95	485 x 0.50	2.7	17	19.9	0.210	1030
120	608 x 0.50	2.7	18.6	21.7	0.164	1270
150	756 x 0.50	2.7	20.1	23.5	0.132	1560
185	944 x 0.50	2.7	21.7	25.4	0.108	1900
240	1221 x 0.50	2.7	24.1	28.2	0.0817	2410
300	1525 x 0.50	2.7	26.4	30.9	0.0654	2970
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.

omerin
LES CABLES DE L'EXTREME

For this product, please contact :



SEVI KABEL

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