

CABLE SOLUTIONS
FOR ROLLING STOCK

SILICABLE® RW

EN 50382-2 1800V FF 120 °C

Sheathed cable

HIGH TEMPERATURE POWERCABLES
EN 50382-2

- 1 • Flexible tin-plated copper - class 5 - EN 60228.
- 2 • Separating tape (optional).
- 3 • Silicone rubber with high mechanical properties - type EI 111 as per EN 50382-1.
- 4 • Fire resistant elastomer with high mechanical properties - type EM 106. 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

Cut-through resistance: ★★★★★
Resistance to alternate bending: ★★★★★
Resistance to abrasion: ★★★★★
Minimum static internal bending radius
(EN 50355): 5xD.

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 (EN 45545 -2).

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.

Marking

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

Nominal cross-section (mm²)	Nominal stranding	Nominal insulation thickness (mm)	Nominal sheath 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	1.3	1.4	6.8	7.9	13.7	60
2.5	50 x 0.25	1.3	1.4	7.2	8.4	8.21	75
4	56 x 0.30	1.3	1.4	7.7	9.0	5.09	100
6	84 x 0.30	1.3	1.4	8.2	9.6	3.39	120
10	80 x 0.40	1.5	1.4	9.4	11	1.95	180
16	126 x 0.40	1.5	1.4	10.5	12.2	1.24	240
25	196 x 0.40	1.8	1.4	12.3	14.4	0.795	360
35	276 x 0.40	1.8	1.4	13.6	15.9	0.565	460
50	396 x 0.40	1.8	1.4	15	17.5	0.393	610
70	360 x 0.50	1.8	1.5	16.8	19.7	0.277	830
95	485 x 0.50	2.2	1.5	19	22.2	0.210	1100
120	608 x 0.50	2.2	1.6	20.8	24.3	0.164	1360
150	756 x 0.50	2.2	1.6	22.3	26.1	0.132	1660
185	944 x 0.50	2.4	1.7	24.5	28.6	0.108	2030
240	1221 x 0.50	2.4	1.8	27.1	31.7	0.0817	2580
300	1525 x 0.50	2.4	1.9	29.5	34.6	0.0654	3180
400	2037 x 0.50	2.6	2	33.2	38.9	0.0495	4180

omerin
LES CABLES DE L'EXTREME

For this product, please contact :



SEVI KABEL

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