

CABLE SOLUTIONS
FOR ROLLING STOCK

SILICABLE® RW

EN 50382-2 3600V FF 150 °C

Sheathed cable

HIGH TEMPERATURE POWERCABLES
EN 50382-2

- 1 • Flexible red 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.
- 4 • Silicone rubber with high mechanical properties - type EM 107 as per EN 50382-1.

Characteristics

Thermal

Continuous operating temperature:
-40 °C at +150 °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): 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 3600V 1x < cross-section > FF 150 °C - batch number - week/year

Nominal cross-section (mm ²)	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		
2.5	50 x 0.25	2.6	1.4	9.9	11.6	7.98	120
4	56 x 0.30	2.6	1.4	10.4	12.2	4.95	140
6	84 x 0.30	2.6	1.4	10.9	12.8	3.30	170
10	80 x 0.40	2.6	1.4	11.8	13.8	1.91	220
16	126 x 0.40	2.6	1.4	12.8	15.0	1.21	300
25	196 x 0.40	2.9	1.4	14.7	17.2	0.78	420
35	276 x 0.40	2.9	1.4	15.9	18.6	0.554	520
50	396 x 0.40	2.9	1.5	17.5	20.5	0.386	690
70	360 x 0.50	2.9	1.5	19.2	22.4	0.272	910
95	485 x 0.50	2.9	1.6	20.8	24.3	0.206	1170
120	608 x 0.50	2.9	1.6	22.4	26.2	0.161	1420
150	756 x 0.50	2.9	1.7	24.1	28.2	0.129	1740
185	944 x 0.50	3.2	1.8	26.4	30.9	0.106	2130
240	1221 x 0.50	3.4	1.9	29.4	34.4	0.0801	2710
300	1525 x 0.50	3.4	1.9	31.7	37.1	0.0641	3310
400	2037 x 0.50	3.4	2.0	35.0	40.9	0.0486	4300

omerin
LES CABLES DE L'EXTREME

For this product, please contact :



SEVI KABEL

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