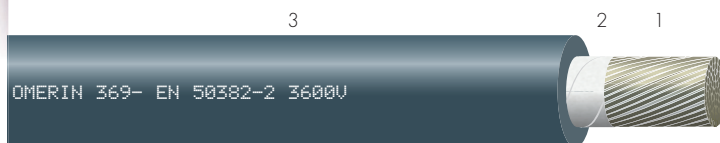


CABLE SOLUTIONS  
FOR ROLLING STOCKHIGH TEMPERATURE POWERCABLES  
EN 50382-2**SILICABLE® RW**  
**EN 50382-2 3600V F 120 °C**  
**Unsheathed cable**

- 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: 3.6 / 6 kV.  
Test voltage: 11 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 3600V 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 3600V 1x < cross-section > F 120 °C - batch number - week/year

| Nominal<br>cross-section<br>(mm²) | Nominal<br>stranding | Nominal<br>wall thickness<br>(mm) | Cable outer diameter<br>(mm) |      | Maximum<br>linear resistance<br>at 20 °C (Ω/km) | Approx.<br>linear weight<br>(kg/km) |
|-----------------------------------|----------------------|-----------------------------------|------------------------------|------|-------------------------------------------------|-------------------------------------|
|                                   |                      |                                   | Mini                         | Maxi |                                                 |                                     |
| 2.5                               | 50 x 0.25            | 3                                 | 7.6                          | 8.9  | 8.21                                            | 80                                  |
| 4                                 | 56 x 0.30            | 3                                 | 8.1                          | 9.5  | 5.09                                            | 100                                 |
| 6                                 | 84 x 0.30            | 3                                 | 9.0                          | 10.6 | 3.39                                            | 130                                 |
| 10                                | 80 x 0.40            | 3                                 | 9.5                          | 11.1 | 1.95                                            | 180                                 |
| 16                                | 126 x 0.40           | 3                                 | 10.5                         | 12.3 | 1.24                                            | 250                                 |
| 25                                | 196 x 0.40           | 3                                 | 11.8                         | 13.8 | 0.795                                           | 350                                 |
| 35                                | 276 x 0.40           | 3                                 | 13.0                         | 15.2 | 0.565                                           | 450                                 |
| 50                                | 396 x 0.40           | 3                                 | 14.4                         | 16.9 | 0.393                                           | 600                                 |
| 70                                | 360 x 0.50           | 3                                 | 16.1                         | 18.9 | 0.277                                           | 800                                 |
| 95                                | 485 x 0.50           | 3                                 | 17.5                         | 20.5 | 0.210                                           | 1050                                |
| 120                               | 608 x 0.50           | 3.1                               | 19.3                         | 22.6 | 0.164                                           | 1300                                |
| 150                               | 756 x 0.50           | 3.1                               | 20.8                         | 24.4 | 0.132                                           | 1550                                |
| 185                               | 944 x 0.50           | 3.2                               | 22.6                         | 26.5 | 0.108                                           | 1950                                |
| 240                               | 1221 x 0.50          | 3.4                               | 25.4                         | 29.8 | 0.0817                                          | 2500                                |
| 300                               | 1525 x 0.50          | 3.4                               | 27.7                         | 32.4 | 0.0654                                          | 3050                                |
| 400                               | 2037 x 0.50          | 3.4                               | 30.8                         | 36.0 | 0.0495                                          | 3950                                |

If textile braid, maximal diameter should be increased by 0.8 mm.

**omerin**  
LES CABLES DE L'EXTREME

For this product, please contact :



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