

# SILICABLE® RW

## EN 50382-2 1800V 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: 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 60754-1).  
Low toxicity (EN 60754-2).  
Low smoke (EN 61034-2).  
Flame retardant (EN 60332-1-2, EN 60332-3-24).

### Standards and approvals

- EN 60228, EN 50382-1, EN 50382-2.
- EN 60754-1, EN 60754-2.
- EN 60332-1-2, EN 60332-3-24, EN 61034-2.

### Marking

OMERIN 369- EN 50382-2 1800V 1x < cross-section > FF 150 °C - batch number - week/year

Item code	Nominal cross-section (mm <sup>2</sup> )	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		
A0824001	1.5	30 x 0.25	1.3	1.4	6.8	7.9	13.3	60
A0824002	2.5	50 x 0.25	1.3	1.4	7.2	8.4	7.98	75
A0824003	4	56 x 0.30	1.3	1.4	7.7	9.0	4.95	100
A0824004	6	84 x 0.30	1.3	1.4	8.2	9.6	3.30	120
A0824005	10	80 x 0.40	1.5	1.4	9.4	11	1.91	180
A0824006	16	126 x 0.40	1.5	1.4	10.5	12.2	1.21	240
A0824007	25	196 x 0.40	1.8	1.4	12.3	14.4	0.78	360
A0824008	35	276 x 0.40	1.8	1.4	13.6	15.9	0.554	460
A0824009	50	396 x 0.40	1.8	1.4	15	17.5	0.386	610
A0824010	70	360 x 0.50	1.8	1.5	16.8	19.7	0.272	830
A0824011	95	485 x 0.50	2.2	1.5	19	22.2	0.206	1100
A0824012	120	608 x 0.50	2.2	1.6	20.8	24.3	0.161	1360
A0824013	150	756 x 0.50	2.2	1.6	22.3	26.1	0.129	1660
A0824014	185	944 x 0.50	2.4	1.7	24.5	28.6	0.106	2030
A0824015	240	1221 x 0.50	2.4	1.8	27.1	31.7	0.0801	2580
A0824016	300	1525 x 0.50	2.4	1.9	29.5	34.6	0.0641	3180
A0824017	400	2037 x 0.50	2.6	2	33.2	38.9	0.0486	4180

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LES CABLES DE L'EXTREME

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For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.  
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