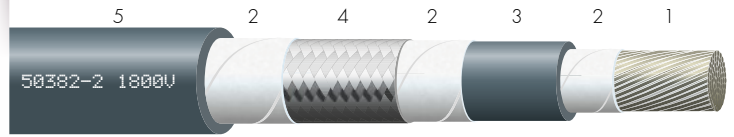


# SILICABLE® RW

## EN 50382-2 1800V FF S 120 °C

### Sheathed and screened cable

HIGH TEMPERATURE POWERCABLES  
EN 50382-2

- 1 • Flexible tin-plated copper core - class 5 - EN 60228.
- 2 • Separating tape (optional).
- 3 • Silicone rubber insulation with high mechanical properties - type EI 111 as per EN 50382-1.
- 4 • Tin-plated copper braid.
- 5 • Silicone rubber sheath with high mechanical properties - type EM 107 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): 10xD.

#### Chemical

Acid and base resistance: ★★★★★☆  
Mineral oil resistance: ★★★★★☆

#### Fire-smoke

Halogen-free (EN 60754-1).  
Low toxicity (EN 60754-2).  
Flame retardant (EN 60332-1-2, EN 60332-3-24).  
Fire-smoke protection (EN 45545-2).

### Options

Temperature 150 °C authorized for CuSn.

### 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 S 120 °C - batch number - week/year

Item code	Nominal cross-section (mm²)	Nominal stranding	Nominal insulation thickness (mm)	Insulation diameter (mm)		Nominal sheath thickness (mm)	Cable outer diameter (mm)		Maximum linear resistance at 20 °C (Ω/km)	Approx. linear weight (kg/km)
				Mini	Maxi		Mini	Maxi		
A0835012	1.5	30 x 0.25	2.5	6.3	7.3	1.2	9.7	10.7	13.7	130
A0835013	2.5	50 x 0.25	2.5	6.7	7.8	1.4	10.4	11.8	8.21	160
A0835014	4	56 x 0.30	2.5	7.2	8.4	1.4	11.1	12.5	5.09	190
A0835015	6	84 x 0.30	2.5	7.7	9	1.4	11.6	13.0	3.39	220
A0835006	10	80 x 0.40	2.5	8.5	10	1.4	12.8	14.2	1.95	280
A0835009	16	126 x 0.40	2.5	9.6	11.2	1.5	14.1	15.5	1.24	365
A0835016	25	196 x 0.40	2.5	10.9	12.7	1.5	15.7	17.1	0.795	500
A0835002	35	276 x 0.40	2.5	12.1	14.1	1.5	17.1	18.5	0.565	635
A0835003	50	396 x 0.40	2.5	13.5	15.8	1.6	18.5	19.9	0.393	790
A0835001	70	360 x 0.50	2.5	15.2	17.8	1.8	20.9	22.9	0.277	1060
A0835008	95	485 x 0.50	2.7	17	19.9	1.8	23.1	25.1	0.210	1330
A0835005	120	608 x 0.50	2.7	18.6	21.7	2.0	25.3	27.3	0.164	1660
A0835007	150	756 x 0.50	2.7	20.1	23.5	2.2	27.9	29.9	0.132	2010
A0835004	185	944 x 0.50	2.7	21.7	25.4	2.4	29.5	32.5	0.108	2390
A0835017	240	1221 x 0.50	2.7	24.1	28.2	2.4	32.2	35.2	0.0817	2975
A0835018	300	1525 x 0.50	2.7	26.4	30.9	2.6	35.8	38.8	0.0654	3630
A0835019	400	2037 x 0.50	2.9	29.9	34.9	2.8	39.9	43.9	0.0495	4690

This product is a cable EN 50382-2 1800V F 120 °C screened and sheathed.  
It is not described in EN 50382-1 and EN 50382-2 standards.

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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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LES CABLES DE L'EXTREME