

# SILICABLE® RW

## EN 50382-2 3600V FF 120 °C

### Sheathed 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.
- 4 • Fire resistant elastomer with high mechanical properties - type EM 106. as per EN 50382-1.

### Characteristics

#### Thermal

Continuous operating temperature:  
-40 °C at +120 °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 : 8xD.

#### 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 3600V 1x < cross-section > FF 120 °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		
A0827002	2.5	50 x 0.25	2.6	1.4	9.9	11.6	8.21	120
A0827003	4	56 x 0.30	2.6	1.4	10.4	12.2	5.09	140
A0827004	6	84 x 0.30	2.6	1.4	10.9	12.8	3.39	170
A0827005	10	80 x 0.40	2.6	1.4	11.8	13.8	1.95	220
A0827006	16	126 x 0.40	2.6	1.4	12.8	15.0	1.24	300
A0827007	25	196 x 0.40	2.9	1.4	14.7	17.2	0.795	420
A0827008	35	276 x 0.40	2.9	1.4	15.9	18.6	0.565	520
A0827009	50	396 x 0.40	2.9	1.5	17.5	20.5	0.393	690
A0827010	70	360 x 0.50	2.9	1.5	19.2	22.4	0.277	910
A0827011	95	485 x 0.50	2.9	1.6	20.8	24.3	0.210	1170
A0827012	120	608 x 0.50	2.9	1.6	22.4	26.2	0.164	1420
A0827013	150	756 x 0.50	2.9	1.7	24.1	28.2	0.132	1740
A0827014	185	944 x 0.50	3.2	1.8	26.4	30.9	0.108	2130
A0827001	240	1221 x 0.50	3.4	1.9	29.4	34.4	0.0817	2710
A0827015	300	1525 x 0.50	3.4	1.9	31.7	37.1	0.0654	3310
A0827016	400	2037 x 0.50	3.4	2.0	35.0	40.9	0.0495	4310

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