

# VARPREN® RW

## EN 50264-3-1 3600V MM

### Sheathed cable



- 1 • Tin-plated copper core - class 5 - EN 60228.
- 2 • Semi-conductive tape.
- 3 • Fire resistant elastomer - type EI 109 as per EN 50264-3-1.
- 4 • Separating tape (optional).
- 5 • Fire resistant elastomer - type EM 104 as per EN 50264-3-1.

### Characteristics

#### Thermal

Continuous operating temperature:  
-40 °C to +90 °C.

#### Electrical

Operating voltage: 3.6 / 6 kV.  
Test voltage: 11 kV A.C.

#### Mechanical

Cut-through resistance: ★★★★★  
Resistance to abrasion: ★★★★★  
Minimum static internal bending radius  
(EN 50355): 4xD.

#### Chemical

Acid and base resistance: ★★★★★  
Mineral oil resistance: ★★★★★  
Fuel resistance only for class M: ★★★★★

#### 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).

### Options

Other cross-sections on request.

### Standards and approvals

- EN 60228, EN 50264-1, EN 50264-3-1.
- EN 50267-2-1, EN 50267-2-2.
- EN 60332-1-2, EN 60332-3-24, EN 61034-2.

### Marking

OMERIN 332- EN 50264-3-1 3600V < cross-section > MM - batch number - week/year

| Nominal<br>cross-section<br>(mm <sup>2</sup> ) | Nominal<br>stranding | Nominal<br>insulation<br>thickness<br>(mm) | Nominal<br>sheath<br>thickness<br>(mm) | Cable<br>outer diameter<br>(mm) |      | Maximum<br>linear<br>resistance at<br>20 °C (Ω/km) | Approx.<br>linear weight<br>(kg/km) |
|------------------------------------------------|----------------------|--------------------------------------------|----------------------------------------|---------------------------------|------|----------------------------------------------------|-------------------------------------|
|                                                |                      |                                            |                                        | Mini                            | Maxi |                                                    |                                     |
| 2.5                                            | 50 x 0.25            | 2.6                                        | 0.8                                    | 8.6                             | 10.1 | 8.21                                               | 113                                 |
| 4                                              | 56 x 0.30            | 2.6                                        | 0.8                                    | 9.1                             | 10.7 | 5.09                                               | 137                                 |
| 6                                              | 84 x 0.30            | 2.6                                        | 0.8                                    | 9.6                             | 11.2 | 3.39                                               | 164                                 |
| 10                                             | 80 x 0.40            | 2.6                                        | 0.8                                    | 10.4                            | 12.2 | 1.95                                               | 221                                 |
| 16                                             | 126 x 0.40           | 2.6                                        | 0.8                                    | 11.5                            | 13.4 | 1.24                                               | 294                                 |
| 25                                             | 196 x 0.40           | 2.9                                        | 1.0                                    | 13.7                            | 16.1 | 0.795                                              | 432                                 |
| 35                                             | 276 x 0.40           | 2.9                                        | 1.0                                    | 14.9                            | 17.5 | 0.565                                              | 546                                 |
| 50                                             | 396 x 0.40           | 2.9                                        | 1.0                                    | 16.4                            | 19.1 | 0.393                                              | 709                                 |
| 70                                             | 360 x 0.50           | 2.9                                        | 1.0                                    | 18.0                            | 21.1 | 0.277                                              | 920                                 |
| 95                                             | 485 x 0.50           | 2.9                                        | 1.0                                    | 19.5                            | 22.8 | 0.210                                              | 1174                                |
| 120                                            | 608 x 0.50           | 2.9                                        | 1.2                                    | 21.4                            | 25.1 | 0.164                                              | 1465                                |
| 150                                            | 756 x 0.50           | 2.9                                        | 1.2                                    | 22.9                            | 26.8 | 0.132                                              | 1788                                |
| 185                                            | 944 x 0.50           | 3.2                                        | 1.2                                    | 25.1                            | 29.4 | 0.108                                              | 2172                                |
| 240                                            | 1221 x 0.50          | 3.4                                        | 1.4                                    | 28.3                            | 33.1 | 0.0817                                             | 2758                                |
| 300                                            | 1525 x 0.50          | 3.4                                        | 1.4                                    | 30.6                            | 35.8 | 0.0654                                             | 3364                                |

**omerin**  
LES CABLES DE L'EXTREME

For this product, please contact :



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