

CABLE SOLUTIONS  
FOR ROLLING STOCK

# VARPREN® RW

## EN 50264-2-2 600V MM FR

### Sheathed cable

FIRE RESISTANT POWERCABLES  
EN 50264-2 & EN 50200 / EN 50264-3 & EN 50200

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

### Characteristics

#### Thermal

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

#### Electrical

Operating voltage: 0.6 / 1 kV.  
Test voltage: 3.5 kV A.C.

#### Mechanical

Cut-through resistance: ★★★★★  
Resistance to abrasion: ★★★★★  
Minimum static internal bending radius:  
as per EN 50355 (Table 16)  
and EN 50343 (Table 4)

#### Chemical

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

#### 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).  
Fire resistance (EN 50200 or EN 50362).

### Options

Other cross-sections or constructions on request.

### Marking

OMERIN 332- EN 50264-2-2 600V < cross-section > MM FR - EN 50200 PH120 - batch number - week/year

| Item code | Nominal cross-section (mm <sup>2</sup> ) | Nominal insulation thickness (mm) | Nominal conductor diameter (mm) | Nominal sheath thickness (mm) | Cable outer diameter (mm) |      | Approx. linear weight (kg/km) |
|-----------|--|-----------------------------------|---------------------------------|-------------------------------|---------------------------|------|-------------------------------|
|           |  |                                   |                                 |                               | Mini                      | Maxi |                               |
| 379D0102  | 2 x 1.5                                  | 0.8                               | 3.7                             | 1.4                           | 10.1                      | 11.5 | 124                           |
| 379D0202  | 3 x 1.5                                  | 0.8                               | 3.7                             | 1.4                           | 10.5                      | 12.1 | 156                           |
| 379D0302  | 4 x 1.5                                  | 0.8                               | 3.7                             | 1.4                           | 11.5                      | 13.1 | 189                           |
| 379D0402  | 2 x 2.5                                  | 0.8                               | 4.1                             | 1.4                           | 10.8                      | 12.4 | 153                           |
| 379D0502  | 3 x 2.5                                  | 0.8                               | 4.1                             | 1.4                           | 11.4                      | 13.1 | 196                           |
| 379D0602  | 4 x 2.5                                  | 0.8                               | 4.1                             | 1.4                           | 12.4                      | 14.2 | 242                           |
| 379D0702  | 2 x 4                                    | 0.8                               | 4.7                             | 1.4                           | 11.9                      | 13.7 | 189                           |
| 379D0802  | 3 x 4                                    | 0.8                               | 4.7                             | 1.4                           | 12.6                      | 14.5 | 246                           |
| 379D0902  | 4 x 4                                    | 0.8                               | 4.7                             | 1.4                           | 13.6                      | 15.7 | 306                           |
| 379D1002  | 2 x 6                                    | 0.9                               | 5.5                             | 1.4                           | 13.3                      | 15.4 | 253                           |
| 379D1102  | 3 x 6                                    | 0.9                               | 5.5                             | 1.4                           | 14.2                      | 16.3 | 336                           |
| 379D1202  | 4 x 6                                    | 0.9                               | 5.5                             | 1.4                           | 15.4                      | 17.8 | 424                           |
| 379D1302  | 2 x 10                                   | 1.1                               | 7.2                             | 1.4                           | 16.6                      | 19.0 | 380                           |
| 379D1402  | 3 x 10                                   | 1.1                               | 7.2                             | 1.5                           | 17.8                      | 20.4 | 525                           |
| 379D1502  | 4 x 10                                   | 1.1                               | 7.2                             | 1.5                           | 19.5                      | 22.4 | 667                           |
| 379D1602  | 2 x 16                                   | 1.1                               | 8.3                             | 1.5                           | 18.7                      | 21.6 | 524                           |
| 379D1702  | 3 x 16                                   | 1.1                               | 8.3                             | 1.6                           | 20.2                      | 23.2 | 731                           |
| 379D1802  | 4 x 16                                   | 1.1                               | 8.3                             | 1.6                           | 22.1                      | 25.4 | 934                           |
| 379D1902  | 2 x 25                                   | 1.3                               | 10.2                            | 1.6                           | 22.5                      | 25.9 | 761                           |
| 379D2002  | 3 x 25                                   | 1.3                               | 10.2                            | 1.7                           | 24.1                      | 27.8 | 1071                          |
| 379D2102  | 4 x 25                                   | 1.3                               | 10.2                            | 1.8                           | 26.7                      | 30.8 | 1391                          |
| 379D2202  | 2 x 35                                   | 1.3                               | 11.5                            | 1.7                           | 25.2                      | 29.1 | 1001                          |
| 379D2302  | 3 x 35                                   | 1.3                               | 11.5                            | 1.8                           | 26.9                      | 31.1 | 1397                          |
| 379D2402  | 2 x 50                                   | 1.5                               | 13.3                            | 1.9                           | 28.7                      | 33.2 | 1328                          |
| 379D2502  | 3 x 50                                   | 1.5                               | 13.3                            | 1.9                           | 30.5                      | 35.6 | 1868                          |

This product is a cable EN 50264-3-1 600V MM with a mica tape on the core. It is not described in EN 50264-1 and EN 50264-2-2 standards.

For this product, please contact :

OMERIN division principale

Zone Industrielle - F 63600 Ambert  
Tel. +33 (0)4 73 82 50 00 - Fax +33 (0)4 73 82 50 10  
omerin@omerin.com

OMERIN division silisol

BP 87 - ZI du Devey - F 42000 Saint-Etienne  
Tel. +33 (0)4 77 81 36 00 - Fax +33 (0)4 77 81 37 00  
silisol@omerin.com

[www.omerin.com](http://www.omerin.com)

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LES CABLES DE L'EXTREME