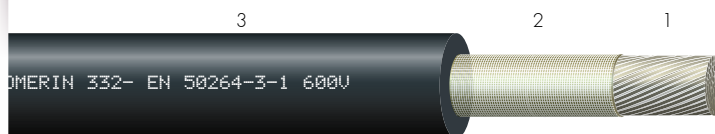


CABLE SOLUTIONS
FOR ROLLING STOCK**VARPREN® RW**
EN 50264-3-1 600V M FR
Unsheathed cableFIRE RESISTANT POWERCABLES
EN 50264-2 & EN 50200 / EN 50264-3 & EN 50200

- 1 • Tin-plated copper core - class 5 - EN 60228.
- 2 • Mica tape.
- 3 • Fire resistant elastomer - type EI 109 as per EN 50264-3-1.

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
(EN 50355): 10xD.

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 50264-3-1 600V < cross-section > M FR - EN 50200 PH120 - batch number - week/year

Nominal cross-section (mm²)	Nominal stranding	Nominal wall thickness (mm)	Cable outer diameter (mm)		Maximum linear resistance at 20 °C (Ω/km)	Approx. linear weight (kg/km)
			Mini	Maxi		
0.5	16 x 0.20	0.6	2.6	2.9	40.1	11
0.75	24 x 0.20	0.6	2.8	3.1	26.7	13
1	32 x 0.20	0.6	2.9	3.3	20	18
1.5	30 x 0.25	0.7	3.4	3.8	13.7	25
2.5	50 x 0.25	0.7	3.7	4.2	8.21	36
4	56 x 0.30	0.7	4.3	4.9	5.09	49
6	84 x 0.30	0.7	4.8	5.6	3.39	72
10	80 x 0.40	0.7	6.1	6.9	1.95	114
16	126 x 0.40	0.7	7.1	8.2	1.24	171
25	196 x 0.40	0.9	8.9	10.2	0.795	265
35	276 x 0.40	0.9	10.1	11.7	0.565	35
50	396 x 0.40	1.0	11.6	13.4	0.393	488
70	360 x 0.50	1.1	13.3	15.4	0.277	677
95	485 x 0.50	1.1	14.9	17.3	0.210	870
120	608 x 0.50	1.2	16.8	19.5	0.164	1107
150	756 x 0.50	1.4	19.1	22.1	0.132	1407
185	944 x 0.50	1.6	21.2	24.5	0.108	1735
240	1221 x 0.50	1.7	23.9	27.7	0.0817	2288

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

For this product, please contact :

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LES CABLES DE L'EXTREME

The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company OMERIN shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force.
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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