

CABLE SOLUTIONS  
FOR ROLLING STOCK**VARPREN® RW**  
**EN 50264-3-1 600V M FR**  
**Unsheathed 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 • 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:  
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 50264-3-1 600V < cross-section > M FR - **EN 50200 PH120** - batch number - week/year

Item code	Nominal cross-section (mm <sup>2</sup> )	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		
379E0102	0.5	16 x 0.20	0.6	2.6	2.9	40.1	11
379E1802	0.75	24 x 0.20	0.6	2.8	3.1	26.7	13
379E0302	1	32 x 0.20	0.6	2.9	3.3	20	18
379E0402	1.5	30 x 0.25	0.7	3.4	3.8	13.7	25
379E0502	2.5	50 x 0.25	0.7	3.7	4.2	8.21	36
379E0602	4	56 x 0.30	0.7	4.3	4.9	5.09	49
379E0702	6	84 x 0.30	0.7	4.8	5.6	3.39	72
379E0802	10	80 x 0.40	0.7	6.1	6.9	1.95	114
379E0902	16	126 x 0.40	0.7	7.1	8.2	1.24	171
379E1002	25	196 x 0.40	0.9	8.9	10.2	0.795	265
379E1102	35	276 x 0.40	0.9	10.1	11.7	0.565	35
379E1202	50	396 x 0.40	1.0	11.6	13.4	0.393	488
379E1302	70	360 x 0.50	1.1	13.3	15.4	0.277	677
379E1402	95	485 x 0.50	1.1	14.9	17.3	0.210	870
379E1502	120	608 x 0.50	1.2	16.8	19.5	0.164	1107
379E1602	150	756 x 0.50	1.4	19.1	22.1	0.132	1407
379E1902	185	944 x 0.50	1.6	21.2	24.5	0.108	1735
379E2002	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.

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**omerin**  
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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