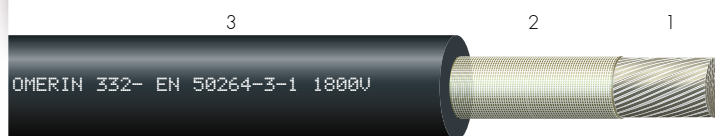


CABLE SOLUTIONS
FOR ROLLING STOCKFIRE RESISTANT POWERCABLES
EN 50264-2 & EN 50200 / EN 50264-3 & EN 50200**VARPREN® RW**
EN 50264-3-1 1800V M FR
Unsheathed cable

- 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: 1.8 kV / 3 kV.
Test voltage: 6.5 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 on request.

Marking

OMERIN 332- EN 50264-3-1 1800V < cross-section > M FR - **EN 50200 PH120** - batch number - week/year

Item code	Nominal cross-section (mm ²)	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		
379F0102	1.5	30 x 0.25	2	5.6	6.5	13.7	54
379F0202	2.5	50 x 0.25	2	6.0	7.0	8.21	67
379F0302	4	56 x 0.30	2	6.5	7.6	5.09	84
379F0402	6	84 x 0.30	2	7.1	8.3	3.39	111
379F0502	10	80 x 0.40	2	8.3	9.6	1.95	162
379F0602	16	126 x 0.40	2	9.4	10.8	1.24	225
379F0702	25	196 x 0.40	2	10.7	12.4	0.795	319
379F0802	35	276 x 0.40	2	11.9	13.8	0.565	419
379F0902	50	396 x 0.40	2	13.2	15.3	0.393	551
379F1002	70	360 x 0.50	2	14.8	17.2	0.277	741
379F1102	95	485 x 0.50	2.2	16.7	19.4	0.210	958
379F1202	120	608 x 0.50	2.2	18.5	21.5	0.164	1197
379F1302	150	756 x 0.50	2.2	20.7	23.9	0.132	1507
379F1402	185	944 x 0.50	2.4	22.4	25.9	0.108	1823
379F1502	240	1221 x 0.50	2.4	25.0	28.8	0.0817	2374

This product is a cable EN 50264-3-1 1800 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 :

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

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.
© Registered trademark of the OMERIN Group. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of OMERIN.