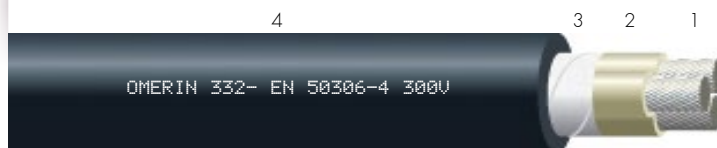


VARPREN® RW

EN 50306-4 300V MM



- 1 • Tin-plated copper core.
- 2 • Thin wall insulation.
- 3 • Separating tape (optional).
- 4 • Standard wall sheath type EM 104.

Characteristics

Thermal

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

Electrical

Operating voltage: 300 / 500 V.
Test voltage: 2 kV A.C.

Mechanical

Cutthrough 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

Halogenfree (EN 60754-1).
Low toxicity (EN 60754-2).
Low smoke (EN 61034-2).
Flame retardant (EN 60332-1-2,
EN 60332-3-24).
Firesmoke protection (EN 45545-2, NFPA 130).

Options

Other cross-sections or constructions
on request.

Marking

OMERIN 332 EN 50306-4 1E or 1P
300V number of cores x < cross-section >
MM 90 - batch number - week/year

For this product, please contact :

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Standards and approvals

- EN 60228, EN 50306-1, EN 50306-2, EN 50306-4.
- EN 60754-1, EN 60754-2.
- EN 60332-1-2, EN 60332-3-24, EN 61034-2.

BASE CORE

Nominal cross-section (mm²)	Nominal stranding	Minimum wall thickness (mm)	Cable outer diameter (mm)		Maximum linear resistance at 20 °C (Ω/km)	Approx. linear weight (kg/km)
			Mini	Maxi		
0.5	19 x 0.18	0.18	1.15	1.45	40.1	6.0
0.75	19 x 0.22	0.18	1.35	1.65	26.7	8.5
1	19 x 0.26	0.18	1.40	1.80	20.0	10.5
1.5	19 x 0.30	0.22	1.90	2.30	13.7	16.5
2.5	19 x 0.40	0.28	2.45	2.85	8.21	26.0

REFERENCE EN 50306-4 300V MM

Nominal cross-section (mm²)	Item code	Minimum sheath thickness (mm)	Class cable E			Class cable P			Approx. linear weight (kg/km)	
			Cable outer diameter (mm)		Approx. linear weight (kg/km)	Item code	Minimum sheath thickness (mm)	Cable outer diameter (mm)		
			Mini	Maxi				Mini		Maxi
2 x 0.5	383C0102	1.0	4.9	5.9	34	383C3502	0.42	3.5	4.5	23
3 x 0.5	383C0202	1.0	5.1	6.1	41	383C3602	0.42	3.8	4.8	29
4 x 0.5	383C0302	1.0	5.5	6.5	48	383C3702	0.42	4.1	5.1	35
7 x 0.5	383C0402	1.0	6.3	7.3	71	383C3802	0.42	4.9	5.9	55
13 x 0.5	383C0502	1.0	8.3	9.3	117	383C3902	0.42	7.3	8.3	96
19 x 0.5	383C0602	1.0	9.0	10.2	158	383C4002	0.42	8.1	9.1	135
37 x 0.5	383C0702	1.0	12.3	13.5	281	383C4102	0.42	10.8	12.0	250
2 x 0.75	383C0802	1.0	5.3	6.3	41	383C4202	0.42	4.0	5.0	29
3 x 0.75	383C0902	1.0	5.5	6.5	50	383C4302	0.42	4.2	5.2	37
4 x 0.75	383C1002	1.0	6.0	7.0	59	383C4402	0.42	4.6	5.6	44
7 x 0.75	383C1102	1.0	6.9	7.9	89	383C4502	0.42	5.5	6.5	72
13 x 0.75	383C1202	1.0	9.1	10.3	151	383C4602	0.42	8.2	9.2	127
19 x 0.75	383C1302	1.0	10.0	11.2	206	383C4702	0.42	9.0	10.2	180
37 x 0.75	383C1402	1.0	13.2	14.4	373	383C4802	0.42	12.2	13.4	338
48 x 0.75	383C1502	1.0	14.8	16.4	474	383C4902	0.42	13.9	15.5	435
2 x 1	383C1602	1.0	5.6	6.6	48	383C5002	0.42	4.3	5.3	35
3 x 1	383C1702	1.0	5.9	6.9	60	383C5102	0.42	4.6	5.6	47
4 x 1	383C1802	1.0	6.3	7.3	69	383C5202	0.42	4.9	5.9	53
7 x 1	383C1902	1.0	7.3	8.3	106	383C5302	0.42	6.0	7.0	87
13 x 1	383C2002	1.0	9.7	10.9	181	383C5402	0.42	8.7	9.9	156
19 x 1	383C2102	1.0	10.7	11.9	250	383C5502	0.42	9.8	11.0	222
37 x 1	383C2202	1.0	14.0	15.6	456	383C5602	0.42	13.3	14.5	420
2 x 1.5	383C2302	1.0	6.3	7.3	60	383C5702	0.42	5.0	6.0	46
3 x 1.5	383C2402	1.0	6.6	7.6	76	383C5802	0.42	5.3	6.3	62
4 x 1.5	383C2502	1.0	7.4	8.4	99	383C5902	0.42	6.0	7.0	80
7 x 1.5	383C2602	1.0	8.6	9.8	154	383C6002	0.42	7.7	8.7	132
13 x 1.5	383C2702	1.0	11.7	12.9	268	383C6102	0.42	10.7	11.9	237
19 x 1.5	383C2802	1.0	13.0	14.2	373	383C6202	0.56	12.0	13.2	339
37 x 1.5	383C2902	1.0	17.2	18.8	690	383C6302	0.56	16.2	17.8	644
2 x 2.5	383C3002	1.0	7.7	8.7	86	383C6402	0.56	6.7	7.7	123
3 x 2.5	383C3102	1.0	8.1	9.1	115	383C6502	0.56	7.7	8.1	206
4 x 2.5	383C3202	1.0	8.8	10.0	145	383C6602	0.56	7.9	8.9	373

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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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