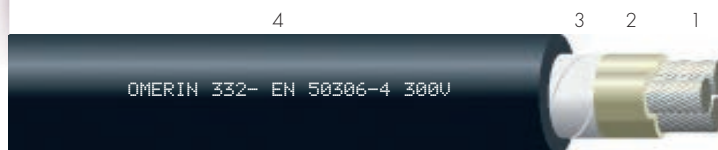


CABLE SOLUTIONS
FOR ROLLING STOCK

LOW VOLTAGE CABLES - EN 50306

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

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 50267-2-1).
Low toxicity (EN 50267-2-2).
Low smoke (EN 61034-2).
Flame retardant (EN 60332-1-2, EN 60332-3-24).
Fire-smoke protection (NF F 16-101, BS 6853, IEC 11170-3, DIN 5510-2, EN 45545-2, NFPA 130).

Options

Other cross-sections or constructions on request.

Standards and approvals

- EN 60228, EN 50306-1, EN 50306-2, EN 50306-4.
- EN 50267-2-1, EN 50267-2-2.
- EN 60332-1-2, EN 60332-3-24, EN 61034-2.
- NF F16-101.

Marking

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

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	1.45	1.80	20.0	10.5
1.5	19 x 0.32	0.22	1.95	2.30	13.7	16.5
2.5	19 x 0.40	0.28	2.50	2.85	8.21	26.0

REFERENCE EN 50306-4 300V MM

Nominal cross-section (mm²)	Minimum sheath thickness (mm)	Class cable E		Approx. linear weight (kg/km)	Minimum sheath thickness (mm)	Class cable P		Approx. linear weight (kg/km)
		Cable outer diameter (mm)				Cable outer diameter (mm)		
		Mini	Maxi			Mini	Maxi	
4 x 0.5	1.0	5.5	6.5	48	0.42	4.1	5.1	35
7 x 0.5	1.0	6.3	7.3	71	0.42	4.9	5.9	55
13 x 0.5	1.0	8.3	9.3	117	0.42	7.3	8.3	96
19 x 0.5	1.0	9.0	10.2	158	0.42	8.1	9.1	135
37 x 0.5	1.0	12.3	13.5	281	0.42	10.8	12.0	250
4 x 0.75	1.0	6.0	7.0	59	0.42	4.6	5.6	44
7 x 0.75	1.0	6.9	7.9	89	0.42	5.5	6.5	72
13 x 0.75	1.0	9.1	10.3	151	0.42	8.2	9.2	127
19 x 0.75	1.0	10.0	11.2	206	0.42	9.0	10.2	180
37 x 0.75	1.0	13.2	14.4	373	0.42	12.2	13.4	338
48 x 0.75	1.0	14.8	16.4	474	0.42	13.9	15.5	435
4 x 1	1.0	6.3	7.3	69	0.42	4.9	5.9	53
7 x 1	1.0	7.3	8.3	106	0.42	6.0	7.0	87
13 x 1	1.0	9.7	10.9	181	0.42	8.7	9.9	156
19 x 1	1.0	10.7	11.9	250	0.42	9.8	11.0	222
37 x 1	1.0	14.0	15.6	456	0.42	13.3	14.5	420
4 x 1.5	1.0	7.4	8.4	99	0.42	6.0	7.0	80
7 x 1.5	1.0	8.6	9.8	154	0.42	7.7	8.7	132
13 x 1.5	1.0	11.7	12.9	268	0.42	10.7	11.9	237
19 x 1.5	1.0	13.0	14.2	373	0.56	12.0	13.2	339
37 x 1.5	1.0	17.2	18.8	690	0.56	16.2	17.8	644
2 x 2.5	1.0	7.7	8.7	86	0.56	6.7	7.7	123
3 x 2.5	1.0	8.1	9.1	115	0.56	7.7	8.1	206
4 x 2.5	1.0	8.8	10.0	145	0.56	7.9	8.9	373

omerin
LES CABLES DE L'EXTREME



SEVI KABEL

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