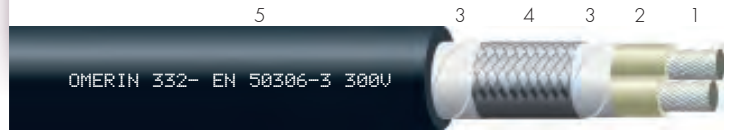


VARPREN® RW

EN 50306-3 300V MM S

Screened and sheathed cable

LOW VOLTAGE CABLES - EN 50306



- 1 • Tin-plated copper core.
- 2 • Thin wall insulation.
- 3 • Separating tape (optional).
- 4 • Tin-plated copper braid.
- 5 • Thin wall sheath type S2.

Characteristics

Thermal
Continuous operating temperature:
-40 °C to +105 °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: 5xD

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-smoke protection (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 50306-3.
- EN 60754-1, EN 60754-2.
- EN 60332-1-2, EN 60332-3-24, EN 61034-2.

Marking

OMERIN 332- EN 50306-3 300V number of cores x < cross-section >
MM S 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	1.40	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 50306-3 300V MM S

Item code	Nominal cross-section (mm²)	Minimum sheath thickness (mm)	Cable outer diameter (mm)		Approx. linear weight (kg/km)
			Mini	Maxi	
383B0102	1 x 0.5	0.2	2.3	2.9	15
383B0202	2 x 0.5	0.2	3.5	4.4	29
383B0302	3 x 0.5	0.2	3.7	4.7	36
383B0402	4 x 0.5	0.2	4	5.2	44
383B0502	6 x 0.5	0.2	5.5	6.5	61
383B2202	8 x 0.5	0.2	6.1	7.1	75
383B0602	1 x 0.75	0.2	2.5	3.1	19
383B0702	2 x 0.75	0.2	3.9	4.8	37
383B0802	3 x 0.75	0.2	4	5.2	47
383B0902	4 x 0.75	0.2	4.5	5.7	57
383B2302	6 x 0.75	0.2	6.1	7.1	79
383B2402	8 x 0.75	0.2	7.3	8.3	100
383B1002	1 x 1	0.2	2.7	3.3	22
383B1102	2 x 1	0.2	4.2	5.3	42
383B1202	3 x 1	0.2	4.5	5.7	54
383B1302	4 x 1	0.2	5	6.2	72
383B2502	6 x 1	0.2	6.3	7.3	95
383B2702	8 x 1	0.2	7.5	8.5	119
383B1402	1 x 1.5	0.2	3.1	3.7	30
383B1502	2 x 1.5	0.2	5.1	6.2	64
383B1602	3 x 1.5	0.2	5.4	6.6	82
383B1702	4 x 1.5	0.2	6	7.2	102
383B2802	6 x 1.5	0.2	7.3	8.3	141
383B2902	8 x 1.5	0.2	8.5	9.5	179
383B1802	1 x 2.5	0.2	3.6	4.5	44
383B1902	2 x 2.5	0.2	6.4	7.5	91
383B2002	3 x 2.5	0.2	6.8	8	121
383B2102	4 x 2.5	0.2	7.5	8.7	151

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