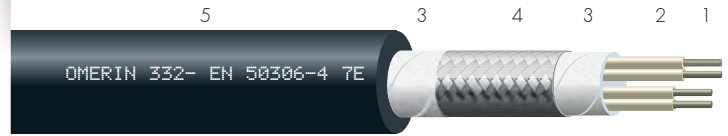


VARPREN® RW

EN 50306-4 300V MM S

Multipair cables

general screened and sheathed



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

Characteristics

Thermal

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

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).
Fire-smoke protection (EN 45545-2).

Options

Other cross-sections
or constructions on request.

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.

Marking

OMERIN 332- EN 50306-4 7E or 7P 300V number of pairs x < cross-section >
MM S 90 - batch number - week/year

BASE CORE

Nominal cross-section (mm ²)	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 S

Nominal cross-section (mm ²)	Class cable E					Class cable P				
	Item code	Minimum sheath thickness (mm)	Cable outer diameter (mm)		Approx. linear weight (kg/km)	Item code	Minimum sheath thickness (mm)	Cable outer diameter (mm)		Approx. linear weight (kg/km)
			Mini	Maxi				Mini	Maxi	
2 x 2 x 0.5	383F0102	1.0	7.1	8.9	78	383F1702	0.56	6.6	7.9	70
3 x 2 x 0.5	383F0202	1.0	7.5	9.1	90	383F1802	0.56	7.0	8.1	79
4 x 2 x 0.5	383F0302	1.0	8.3	9.7	109	383F1902	0.56	7.7	8.7	99
7 x 2 x 0.5	383F0402	1.0	9.6	11.6	154	383F2002	0.56	9.0	10.6	143
2 x 2 x 0.75	383F0502	1.0	7.6	10.0	95	383F2102	0.56	7.1	9.0	86
3 x 2 x 0.75	383F0602	1.0	8.2	10.2	109	383F2202	0.56	7.7	9.2	102
4 x 2 x 0.75	383F0702	1.0	9.5	10.8	143	383F2302	0.56	9.0	10.0	132
7 x 2 x 0.75	383F0802	1.0	11.4	12.8	219	383F2402	0.56	10.8	11.8	203
2 x 2 x 1.0	383F0902	1.0	8.3	10.5	119	383F2502	0.56	7.8	9.5	107
3 x 2 x 1.0	383F1002	1.0	8.8	10.7	130	383F2602	0.56	8.3	9.7	122
4 x 2 x 1.0	383F1102	1.0	9.6	11.3	160	383F2702	0.56	9.1	10.3	150
7 x 2 x 1.0	383F1202	1.0	11.6	13.4	251	383F2802	0.56	11.0	12.4	238
2 x 2 x 1.5	383F1302	1.0	10.3	12.2	175	383F2902	0.56	9.8	11.2	162
3 x 2 x 1.5	383F1402	1.0	11.0	12.4	194	383F3002	0.56	10.4	11.4	178
4 x 2 x 1.5	383F1502	1.0	12.1	13.1	243	383F3102	0.56	11.6	12.6	229
7 x 2 x 1.5	383F1602	1.0	14.5	16.3	376	383F3202	0.56	14.0	15.3	359

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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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