

VARPREN® RW

EN 50306-4 300V MMM S

Individually screened
and sheathed multicore cables



Characteristics

Thermal

Continuous operating temperature:
-40 °C to +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:
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.

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.

Marking

OMERIN 332- EN 50306-4 5E or 5P 300V number of pairs x < cross-section >
MMM 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 MMM 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	383E0102	1.0	10.1	11.3	135	383E1702	0.56	9.0	10.2	105
3 x 2 x 0.5	383E0202	1.0	10.8	12.0	165	383E1802	0.56	9.6	10.8	132
4 x 2 x 0.5	383E0302	1.0	11.8	13.0	188	383E1902	0.56	10.7	11.9	154
7 x 2 x 0.5	383E0402	1.0	13.9	15.5	280	383E2002	0.56	13.0	14.2	242
2 x 2 x 0.75	383E0502	1.0	10.9	12.1	158	383E2102	0.56	9.8	11.0	128
3 x 2 x 0.75	383E0602	1.0	11.6	12.8	195	383E2202	0.56	10.5	11.7	164
4 x 2 x 0.75	383E0702	1.0	12.8	14.0	225	383E2302	0.56	11.6	12.8	186
7 x 2 x 0.75	383E0802	1.0	15.1	16.7	335	383E2402	0.56	14.0	15.6	297
2 x 2 x 1.0	383E0902	1.0	11.3	12.5	170	383E2502	0.56	10.2	11.6	138
3 x 2 x 1.0	383E1002	1.0	12.0	13.2	210	383E2602	0.56	10.9	12.1	179
4 x 2 x 1.0	383E1102	1.0	13.2	14.4	234	383E2702	0.56	12.1	13.3	205
7 x 2 x 1.0	383E1202	1.0	15.7	17.3	365	383E2802	0.56	14.6	16.2	348
2 x 2 x 1.5	383E1302	1.0	13.3	14.5	240	383E2902	0.56	12.2	13.4	203
3 x 2 x 1.5	383E1402	1.0	14.0	15.6	294	383E3002	0.56	13.1	14.3	263
4 x 2 x 1.5	383E1502	1.0	15.5	17.1	340	383E3102	0.56	14.3	15.9	297
7 x 2 x 1.5	383E1602	1.0	18.7	20.3	539	383E3202	0.56	17.6	19.2	501

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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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