

# VARPREN® RW

## EN 50306-4 300V MM S

### Screened and sheathed multicore cables



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

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).

### 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 3E or 3P 300V number of cores x < cross-section >  
MM S 90 - batch number - week/year

#### BASE CORE

Nominal cross-section (mm <sup>2</sup> )	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 MMS

Nominal cross-section (mm <sup>2</sup> )	Minimum sheath thickness (mm)	Class cable E			Class cable P			
		Cable outer diameter (mm)		Approx. linear weight (kg/km)	Minimum sheath thickness (mm)	Cable outer diameter (mm)		Approx. linear weight (kg/km)
		Mini	Maxi			Mini	Maxi	
2 x 0.5	1.0	5.5	6.5	46	0.42	4.1	5.1	34
3 x 0.5	1.0	5.7	6.7	54	0.42	4.3	5.3	41
4 x 0.5	1.0	6.1	7.1	64	0.42	4.7	5.7	50
6 x 0.5	1.0	6.9	7.9	88	0.42	5.5	6.5	72
8 x 0.5	1.0	7.5	8.5	107	0.42	6.0	7.0	89
2 x 0.75	1.0	5.9	6.9	54	0.42	4.5	5.5	40
3 x 0.75	1.0	6.2	7.2	64	0.42	4.7	5.7	50
4 x 0.75	1.0	6.5	7.5	76	0.42	5.2	6.2	66
6 x 0.75	1.0	7.5	8.5	107	0.42	6.1	7.1	89
8 x 0.75	1.0	8.2	9.2	131	0.42	6.6	7.6	112
2 x 1	1.0	6.2	7.2	60	0.42	4.7	5.7	46
3 x 1	1.0	6.5	7.5	73	0.42	5.1	6.0	58
4 x 1	1.0	6.9	7.9	92	0.42	5.5	6.5	76
6 x 1	1.0	8.0	9.0	123	0.42	6.6	7.6	105
8 x 1	1.0	8.6	9.8	152	0.42	7.7	8.7	131
2 x 1.5	1.0	7.1	8.1	87	0.42	5.7	6.7	69
3 x 1.5	1.0	7.4	8.4	107	0.42	6.0	7.0	88
4 x 1.5	1.0	8.0	9.0	129	0.42	6.6	7.6	108
6 x 1.5	1.0	9.2	10.4	175	0.56	8.3	9.3	156
8 x 1.5	1.0	10.2	11.4	218	0.56	8.9	10.1	197
2 x 2.5	1.0	8.3	9.3	117	0.56	7.3	8.3	101
3 x 2.5	1.0	8.6	9.8	148	0.56	7.7	8.7	131
4 x 2.5	1.0	9.4	10.6	181	0.56	8.4	9.6	163

**OMERIN**  
LES CABLES DE L'EXTREME

For this product, please contact :



**SEVI KABEL**