

HIGH TEMPERATURE WIRES AND CABLES  
FOR THE GENERAL MARKET  
SECTION III: COMPOSITE INSULATIONS

# SILICABLE® PVS

-60 °C to +230 °C

## UNIPOLAR WIRES AND CABLES WITH COMPOSITE INSULATION



- 1 • Flexible bare copper core – class 5 as per IEC 60228.
- 2 • Impregnated fibreglass lappings.
- 3 • Crossed polyester tapes.
- 4 • Silicone-coated fibreglass braid.

### Applications

- Cabling for domestic electrical heating appliances: kitchens, professional ovens, etc.
- Industrial cabling in hot atmospheres.
  - Cabling for paint booths.
- Cabling for collector vehicles.

### Options

- Solid bare copper core – class 1 as per IEC 60228: ref. RPVS (see details of this option below).
- Reinforced wall and yellowed outer aspect for cabling for collector vehicles: ref. PVP.
- Completely silicone-free for cabling for paint booths: ref. PVPL.

### Characteristics

#### General

- Continuous operating temperatures: -60 °C to +230 °C.
- Reinforced resistance to humidity.

#### Electrical

- Rated voltage: 300/500 V.
- Test voltage: 2000 V.

### Standard products

- All solid colours with coloured spiral stripe(s).

#### PVS

##### Flexible core • Class 5 as per IEC 60228

Nominal cross-section (mm <sup>2</sup> )	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)	INSULATED WIRE	
			Nominal diameter (mm)	Approximate linear weight (kg/km)
0.5	16 x 0.20	39.0	2.1	8.1
0.6**	19 x 0.20	32.8	2.2	9.0
0.75	24 x 0.20	26.0	2.3	10.8
1	14 x 0.30*	19.5	2.4	13.5
1.5	30 x 0.25	13.3	2.7	17.0
2**	40 x 0.25	9.98	3.0	21.6
2.5	50 x 0.25	7.98	3.2	26.6
3**	42 x 0.30	6.60	3.4	31.6
4	56 x 0.30	4.95	3.8	43.2
6	84 x 0.30	3.30	4.5	66.0

#### Option • RPVS

##### Solid core • Class 1 as per IEC 60228

Nominal cross-section (mm <sup>2</sup> )	Nominal diameter (mm)	Maximum linear resistance at 20 °C (Ω/km)	INSULATED WIRE	
			Nominal diameter (mm)	Approximate linear weight (kg/km)
0.5	1 x 0.80	36.0	2.0	8.1
0.75	1 x 0.98	24.5	2.2	10.7
1	1 x 1.13	18.1	2.3	12.8
1.5	1 x 1.38	12.1	2.5	17.5
2.5	1 x 1.77	7.41	3.0	27.5
4	1 x 2.24	4.61	4.0	46.2
6	1 x 2.76	3.08	4.5	67.3

\* Stranded core - class 2 as per IEC 60228.

\*\* Nominal cross-sections not described in IEC 60228.

For this product, please contact:

OMERIN division principale

Zone Industrielle - F 63600 Ambert

Tel. +33 (0)4 73 82 50 00 - Fax +33 (0)4 73 82 50 10

omerin@omerin.com

OMERIN division silisol

BP 87 - ZI du Devey - F 42000 Saint-Etienne

Tel. +33 (0)4 77 81 36 00 - Fax +33 (0)4 77 81 37 00

silisol@omerin.com

[www.omerin.com](http://www.omerin.com)

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LES CABLES DE L'EXTREME