

HIGH TEMPERATURE WIRES AND CABLES FOR THE GENERAL MARKET SECTION I: CROSS LINKED ELASTOMERS

VARPREN INSULATED WIRES AND CABLES

VARPREN® F

-40 °C to +155 °C

Approvals - standards

- Halogen-free: EN 60754-1.
 - Fire retardant: NF C 32-070 test C1.
 - Flame retardant: EN 60332-1-2 / NF C 32-070 test C2.
- Test for vertical flame propagation of vertically-mounted bunched wires or cables – Category A: IEC 60332-3-22.
- Low corrosivity of gas emissions: EN 60754-2.
- Low smoke density: EN 61034-2.

Applications

- Class F cabling for electric motors.

Options

- Bare copper core: contact us.
- Nickel-plated copper core: contact us.
- Other nominal cross-sections: contact us.
- Other nominal stranding: contact us.
- Other options: contact us.



- 1 • Flexible tin-plated copper core – class 5 as per IEC 60228.
- 2 • Insulation: Varpren®.

Characteristics General

- Continuous operating temperatures: -40 °C to +155 °C.
- Excellent tearing strength.
- Minimum bending radius: 5 x D.

Electrical

- Rated voltage: 600/1000 V.
- Test voltage: 3500 V.

Standard products

- All colours including two-coloured.

VARPREN® F

Flexible core • class 5 as per IEC 60228

Nominal cross-section (mm²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
0.25*	8 x 0.20	81.2
0.5	16 x 0.20	40.1
0.75	24 x 0.20	26.7
1	32 x 0.20	20.0
1.5	30 x 0.25	13.7
2.5	50 x 0.25	8.21
4	56 x 0.30	5.09
6	84 x 0.30	3.39
10	80 x 0.40	1.95
16	126 x 0.40	1.24
25	196 x 0.40	0.795
35	276 x 0.40	0.565
50	396 x 0.40	0.393
70	360 x 0.50	0.277
95	485 x 0.50	0.210

INSULATED WIRE OR CABLE

Nominal thickness of insulation (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)
0.6	1.95	6.4
0.6	2.2	9.0
0.6	2.4	11.7
0.6	2.5	13.8
0.6	3.0	20.2
0.7	3.6	31.2
0.8	4.3	47.2
0.8	4.9	65.9
1.0	6.6	120
1.0	7.7	172
1.2	9.6	270
1.2	10.7	355
1.4	12.6	502
1.4	14.9	693
1.6	17.2	913

* Nominal cross-section not described in IEC 60228.

For this product, please contact:

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