

HIGH TEMPERATURE WIRES AND CABLES FOR THE GENERAL MARKET SECTION 1: CROSS LINKED ELASTOMERS

VARPREN INSULATED WIRES AND CABLES

VARPREN® MVA

-30 °C to +150 °C



- 1 • Flexible tin-plated copper core - class 5 as per IEC 60228.
- 2 • Insulation: Varpren®.
- 3 • Separating tape (Optional).
- 4 • Outer sheath: Varpren®.

Approvals - standards

- Halogen-free: IEC 60754-1 / EN 60754-1.
- Fire retardant: NF C 32-070 test C1.
- Flame retardant: IEC 60332-1-2 / EN 60332-1-2 / NF C 32-070 test C2.
- Low corrosivity of gas emissions: IEC 60754-2 / EN 60754-2.
- Low smoke density: IEC 61034-2 / EN 61034-2.

Applications

- Class F cabling for electric motors.

Options

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

Characteristics General

- Continuous operating temperatures: - 30 °C to +150 °C.
- Excellent tearing strength.
- Minimum bending radius: 10 x D.

Electrical

- Rated voltage: 450/750 V.
- Test voltage: 2500 V.

Standard products

- Standard conductor colours: see table below.
- Standard outer sheath colour: grey.

Standard conductor colours:

Number of conductors	With an earth wire	Without an earth wire
2	-	blue – brown
3	yellow/green – blue – brown	brown – black – grey
4	yellow/green – brown – black – grey	blue – brown – black – grey
5	yellow/green – blue – brown – black – grey	blue – brown – black – grey – black
≥6	yellow/green – grey numbered	grey numbered

• Identification

Multi-conductor cables without an earth wire are identified as follows:

< Number of conductors > X < Cross-section > mm² (example: 3 X 1.5 mm²).

Multi-conductor cables with an earth wire are identified by the symbol G in the place of the X (example 3 G 1.5 mm²).

For this product, please contact:

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Flexible core • class 5 as per IEC 60228

INSULATED CONDUCTORS

SHEATHED CABLE

Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)	Nominal thickness of insulation (mm)	Nominal diameter (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)
2 x 0.5	16 x 0.20	40.1	0.6	2.2	5.8	43.7
3 x 0.5	16 x 0.20	40.1	0.6	2.2	6.2	51.7
4 x 0.5	16 x 0.20	40.1	0.6	2.2	6.9	63.4
5 x 0.5	16 x 0.20	40.1	0.6	2.2	7.5	77.2
2 x 0.75	24 x 0.20	26.7	0.6	2.4	6.3	53.6
3 x 0.75	24 x 0.20	26.7	0.6	2.4	6.8	65.4
4 x 0.75	24 x 0.20	26.7	0.6	2.4	7.6	81.9
5 x 0.75	24 x 0.20	26.7	0.6	2.4	8.4	102
2 x 1	32 x 0.20	20.0	0.6	2.5	6.6	61.0
3 x 1	32 x 0.20	20.0	0.6	2.5	7.2	76.6
4 x 1	32 x 0.20	20.0	0.6	2.5	7.8	90.4
5 x 1	32 x 0.20	20.0	0.6	2.5	8.8	117
2 x 1.5	30 x 0.25	13.7	0.7	3.0	8.0	90.0
3 x 1.5	30 x 0.25	13.7	0.7	3.0	8.4	106
4 x 1.5	30 x 0.25	13.7	0.7	3.0	9.2	128
5 x 1.5	30 x 0.25	13.7	0.7	3.0	10.1	159
2 x 2.5	50 x 0.25	8.21	0.8	3.6	9.2	125
3 x 2.5	50 x 0.25	8.21	0.8	3.6	9.8	152
4 x 2.5	50 x 0.25	8.21	0.8	3.6	10.7	185
5 x 2.5	50 x 0.25	8.21	0.8	3.6	11.9	231
2 x 4	56 x 0.30	5.09	0.9	4.3	10.6	173
3 x 4	56 x 0.30	5.09	0.9	4.3	11.2	211
4 x 4	56 x 0.30	5.09	0.9	4.3	12.6	268
5 x 4	56 x 0.30	5.09	0.9	4.3	13.8	329
2 x 6	84 x 0.30	3.39	0.9	4.9	11.8	225
3 x 6	84 x 0.30	3.39	0.9	4.9	12.7	286
4 x 6	84 x 0.30	3.39	0.9	4.9	14.0	353
5 x 6	84 x 0.30	3.39	0.9	4.9	15.6	447
2 x 10	80 x 0.40	1.95	1.0	6.6	15.6	398
3 x 10	80 x 0.40	1.95	1.0	6.6	16.6	498
4 x 10	80 x 0.40	1.95	1.0	6.6	18.3	618
5 x 10	80 x 0.40	1.95	1.0	6.6	20.4	782
2 x 16	126 x 0.40	1.24	1.0	7.7	17.8	541
3 x 16	126 x 0.40	1.24	1.0	7.7	19.0	685
4 x 16	126 x 0.40	1.24	1.0	7.7	21.2	869
5 x 16	126 x 0.40	1.24	1.0	7.7	23.4	1088
2 x 25	196 x 0.40	0.795	1.1	9.2	21.8	761
3 x 25	196 x 0.40	0.795	1.1	9.2	23.2	963
4 x 25	196 x 0.40	0.795	1.1	9.2	25.9	1222
5 x 25	196 x 0.40	0.795	1.1	9.2	28.7	1530

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