

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

VARPREN INSULATED WIRES AND CABLES

VARPREN® 155

-50 °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.

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 temperature: -50 °C to +155 °C.
- Excellent tearing strength.
- Minimum bending radius: 5 x D.

Electrical

- Rated voltage: CS ≤ 0.5 mm²: 450/750 V.
CS > 0.5 mm²: 600/1000 V.
- Test voltage: CS ≤ 0.5 mm²: 2500 V.
CS > 0.5 mm²: 3500 V.

Standard products

- Standard insulation colour: black.

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600/1000V EC 11049201

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

VARPREN® 155

Flexible core • class 5 as per IEC 60228

Nominal cross-section (mm ²)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)
0.25*	19 x 0.13	82.9
0.34*	19 x 0.16	60.6
0.5	19 x 0.18	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	123 x 0.40	1.24
25	189 x 0.40	0.795
35	266 x 0.40	0.565
50	377 x 0.40	0.393
70	340 x 0.50	0.277
95	444 x 0.50	0.210
120	568 x 0.50	0.164
150	721 x 0.50	0.132
185	888 x 0.50	0.108
240	1184 x 0.50	0.0817

INSULATED WIRE OR CABLE

Nominal thickness of insulation (mm)	Nominal diameter (mm)	Approximate linear weight (kg/km)
0.4	1.45	4.3
0.4	1.6	5.8
0.4	1.7	7.0
0.5	2.2	10.6
0.6	2.5	13.8
0.6	2.8	18.8
0.7	3.4	29.5
0.7	4.0	44.1
0.8	4.7	63.5
0.8	6.1	112
0.8	7.3	164
0.9	8.9	254
0.9	10.2	342
1.1	12.0	484
1.2	14.2	668
1.3	16.0	865
1.4	18.0	1120
1.6	20.6	1379
1.7	22.5	1766
1.8	25.4	2316

For this product, please contact:

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