

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

## VARPREN INSULATED WIRES AND CABLES

# VARPREN® ST

## -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.

### 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.

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VARPREN ST 1,5 mm<sup>2</sup> HALOGEN FREE

- 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® ST

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

| Nominal cross-section<br>(mm <sup>2</sup> ) | Nominal stranding | Maximum linear resistance at 20 °C<br>(Ω/km) |
|---------------------------------------------|-------------------|----------------------------------------------|
| 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<br>(mm) | Nominal diameter<br>(mm) | Approximate linear weight<br>(kg/km) |
|-----------------------------------------|--------------------------|--------------------------------------|
| 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                                  |

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 silişol

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  
silişol@omerin.com