

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

## VARPREN INSULATED WIRES AND CABLES

# VARPREN® FLR

## -40 °C to +150 °C



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

### Approvals - standards

- Halogen-free: IEC 60754-1 / EN 60754-1.
- Low corrosivity of gas emissions: IEC 60754-2 / EN 60754-2.
- Flame retardant: ISO 6722.
- Low smoke density: IEC 61034-2 / EN 61034-2.

### Applications

- Internal cabling for electrical appliances.

### 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.

### Characteristics

#### General

- Continuous operating temperatures: -40 °C to +150 °C.
- Good resistance to common chemical influences and impregnating varnishes.
- Bending radius: 5 x D.

#### Electrical

- Rated voltage: 60 V.
- Test voltage: CS < 0.5 mm²: 3000 V.  
CS ≥ 0.5 mm²: 5000 V.

### Standard products

- All colours including two-coloured.

### VARPREN® FLR

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

| Nominal cross-section<br>(mm²) | Nominal stranding | Maximum linear resistance at 20 °C<br>(Ω/km) |
|--------------------------------|-------------------|----------------------------------------------|
| 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*                             | 28 x 0.30         | 10.3                                         |
| 2.5                            | 50 x 0.25         | 8.21                                         |
| 3*                             | 44 x 0.30         | 6.83                                         |
| 4                              | 52 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                                        |

#### INSULATED WIRE OR CABLE

| Nominal thickness of insulation<br>(mm) | Nominal diameter<br>(mm) | Approximate linear weight<br>(kg/km) |
|-----------------------------------------|--------------------------|--------------------------------------|
| 0.3                                     | 1.6                      | 6.5                                  |
| 0.3                                     | 1.8                      | 9.6                                  |
| 0.3                                     | 2.0                      | 12.4                                 |
| 0.3                                     | 2.3                      | 17.0                                 |
| 0.35                                    | 2.7                      | 21.8                                 |
| 0.35                                    | 2.9                      | 27.6                                 |
| 0.4                                     | 3.2                      | 34.3                                 |
| 0.4                                     | 3.6                      | 41.8                                 |
| 0.4                                     | 4.3                      | 58.3                                 |
| 0.6                                     | 5.8                      | 106                                  |
| 0.65                                    | 7.2                      | 160                                  |
| 0.65                                    | 8.8                      | 250                                  |
| 0.8                                     | 10.0                     | 334                                  |
| 0.9                                     | 11.8                     | 474                                  |
| 1.0                                     | 14.2                     | 662                                  |

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

For this product, please contact:

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