



Power cable esiMot XL 1 x 230 V AC

PUR cable suitable for drag chains

5 x 1,0 mm², Ø approx. 7,6 mm, ca. 137 kg/km



Usage

Extremely robust drag chain cable, which is characterised by high abrasion resistance and notch toughness. As a result, and thanks to the small bending radius, it is ideally suited for use in drag chain systems. Thanks to good flexibility, it can be installed safely and quickly. Due to its resistance to mineral oils, especially to cooling emulsions, it is used in machine, tool and plant construction as well as in rolling mills and steel mills at particularly critical points.

For use in cable carrier chains, please follow the installation instructions.

Technical data

- Special polyurethane hose assembly according to DIN VDE 0281, 0282
- Temperature range flexible -20°C...+80°C fix -40°C...+80°C
- Nominal voltage U₀/U 300/500 V
- Test voltage 4000 V
- Breakdown voltage min. 8000 V
- Insulation resistance min. 20 MOhm x km
- Minimum bending radius flexible 7,5 x cable-Ø fix 4 x cable-Ø

Structure

- Bare copper strand, fine-stranded accord. to DIN VDE 0295 cl. 6 respectively IEC 60228 cl. 6
- Oil-resistant PVC core mix, T12 accord. to DIN VDE 0281 part 1, with improved gliding properties
- Black veins with continuous white Numerals accord. to DIN VDE 0293
- Cores with optimally matched stroke lengths
- Protective conductor green-yellow in the outer layer, from 3 cores
- Fleece winding
- Outer sheath: special all-polyurethane according to DIN VDE 0207-363-10-2 / DIN EN 50363-10-2 (Mixture Type Tmpu)
- Coat colour: grey (RAL 7001)
- with meter marking

Properties

- Suitable for outdoor installation and resistant to UV rays, oxygen, ozone, hydrolysis and microbes
- Low adhesion
- Oil-resistant accord. to DIN VDE 0473-811-404 DIN EN 60811-404 / IEC 60811 - 404
- UV-resistant accord. to DIN EN 4892-2
- Weatherproof accord. to DIN EN ISO 4892-2
- The materials used in the manufacturing is silicone- and cadmium-free and free of substances that interfere with paint wetting.



The product conforms to the EC Low Voltage Directive 2006/95/EC.



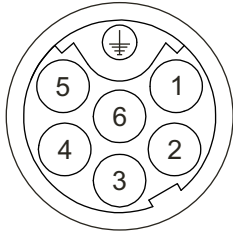
The product is compliant with the EU RoHS Directive 2011/65/EU.

Connector:



7pin cable socket
 cable-Ø 6-8 mm
 max. 1,5 mm² (AWG19)
 Art.-No.: 630.01502-0

Contact arrangement with a view to
 Crimp terminals of the connector



Power cable with ballast: 5 x 1,0 mm², Ø approx. 7,6 mm

| Wire colour | Marking | Contact | Assignment |
|-------------|---------|---------|---------------------------|
| BK | 1 | 1 | Motor supply L (230 V AC) |
| BK | 2 | 2 | Motor supply N (230 V AC) |
| - | - | 3 | unused |
| BK | 3 | 4 | Ballast |
| BK | 4 | 5 | Ballast |
| - | - | 6 | unused |
| GN/YE | PE | PE | Protective |

| Length | Art.-No. | Weight |
|--------|-------------|---------|
| 2 m | 630.01520-0 | 0,39 kg |
| 5 m | 630.01521-0 | 0,81 kg |
| 10 m | 630.01522-0 | 1,49 kg |
| 15 m | 630.01523-0 | 2,18 kg |
| 20 m | 630.01524-0 | 2,86 kg |
| 25 m | 630.01526-0 | 3,55 kg |
| 30 m | 630.01525-0 | 4,23 kg |



DANGER

The ballast line is live and must be insulated if no external ballast resistor is used.

Power cable ATEX ballast: 5 x 1,0 mm², Ø approx. 7,6 mm

| Wire colour | Marking | Contact | Assignment |
|-------------|---------|---------|---------------------------|
| BK | 1 | 1 | Motor supply L (230 V AC) |
| BK | 2 | 2 | Motor supply N (230 V AC) |
| - | - | 3 | unused |
| BK | 3 | 4 | Ballast |
| BK | 4 | 5 | Ballast |
| - | - | 6 | unused |
| GN/YE | PE | PE | Protective |

| Length | Art.-No. | Weight |
|--------|--------------|---------|
| 2 m | 630.01530-6 | 0,44 kg |
| 5 m | 630.01530-7 | 0,86 kg |
| 10 m | 630.01530-8 | 1,54 kg |
| 15 m | 630.01530-9 | 2,23 kg |
| 20 m | 630.01530-10 | 2,91 kg |
| 25 m | 630.01530-11 | 3,60 kg |
| 30 m | 630.01530-12 | 4,28 kg |
| 35 m | 630.01530-13 | 4,97 kg |
| 40 m | 630.01530-14 | 5,65 kg |



DANGER

The ballast line is live and must be insulated if no external ballast resistor is used.



DANGER

Do not disconnect the plug under voltage!
 Close plugs that are not plugged in immediately.

All information in this brochure is of an informative nature and does not guarantee any properties. Subject to change without notice.

esitron-electronic GmbH

Ernst-Zimmermann-Str. 18
 D-88045 Friedrichshafen
 Internet: www.esitron.de

Tel. +49(0)7541-6000-0
 Fax +49(0)7541-6000-11
 E-Mail: info@esitron.de