

## Technical data sheet

PUR Coil cables · unshielded

### LÜTZE PURFLEX



#### Identification

Type PURFLEX 4GX1,5 OR WL 500  
Part No. [190004](#)

#### Product version

Datasheet version 00

#### Use/Application/Properties

- |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application | <ul style="list-style-type: none"><li>• Machine and device construction, transport and conveyor technology under harsh operating conditions</li><li>• Especially for industrial environments, machines and plants</li><li>• Lifting platforms, test benches and measuring systems as well as door drives</li></ul>                                                                                                                                                                                                                |
| Properties  | <ul style="list-style-type: none"><li>• Very good restoring force</li><li>• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant</li><li>• Hydrolysis-resistant, microbe-resistant, and rot-resistant</li><li>• Weathering, ozone and UV resistant (normal lighting conditions)</li><li>• Industrial and salt water resistant</li><li>• Largely resistant to oils, greases, alcohol-free benzines and kerosene</li><li>• Free from paint wetting disruptive substances (LABS-free)</li><li>• RoHS compliant</li></ul> |

#### Technical data

|                                    |                                            |
|------------------------------------|--------------------------------------------|
| Number of conductors/cross-section | 4G1.5                                      |
| Number of conductors               | 4                                          |
| Design                             | Cable outlet radial                        |
| Spiral diameter                    | 33 mm                                      |
| Spiral length                      | 500 mm                                     |
| Max. extension length              | 2250 mm                                    |
| Connection ends L1/L2              | 250/250 mm                                 |
| Rated voltage $U_0/U$              | 300/500 V                                  |
| Test voltage type                  | 3000 V                                     |
| Insulation resistance at 20 °C     | $\geq 20 \text{ M}\Omega \times \text{km}$ |

#### United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park  
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU  
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2  
[www.lutze.com](http://www.lutze.com) • [sales.gb@lutze.co.uk](mailto:sales.gb@lutze.co.uk)

#### Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt  
Tel. +49 (0)7151 6053-0 • Fax +49 (0)7151 6053-277(-288)  
[www.luetze.de](http://www.luetze.de) • [info@luetze.de](mailto:info@luetze.de)

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|                          |                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------|
| Temperature range fixed  | -40 °C ... +80 °C                                                                                    |
| Temperature range moving | -20 °C ... +80 °C                                                                                    |
| Product photo            | The product photos are not to scale and do not represent detailed images of the respective products. |

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#### Construction

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|                                    |                                                    |
|------------------------------------|----------------------------------------------------|
| Number of conductors/cross-section | 4G1.5                                              |
| Number of conductors               | 4                                                  |
| Conductor                          | CU-wire bare                                       |
| Conductor category                 | Finely stranded DIN VDE 0295<br>IEC 60228, Class 5 |
| Conductor marking                  | green/yellow • brown • black • grey                |
| Conductor color                    | brown, blue, yellow-green                          |
| Conductor insulation               | Special PVC                                        |
| Jacket material                    | PUR                                                |
| Jacket color                       | orange RAL 2003                                    |
| Surface                            | matte, adhesion-free                               |

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#### General

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|------|----------------------------------------------------------------------------------|
| Note | CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC |
|------|----------------------------------------------------------------------------------|