

# PUR c-track cables · For highest requirements

## LUTZE-SUPERFLEX® TRONIC PUR



### Application

- Robots, energy supply chains and anywhere where signals are transmitted to continuously moving system or machine parts
- Machine and device construction, transport and conveyor technology, heating, climate technology
- In dry and moist rooms
- As monitoring, measurement and control cable for continuous bending loads with the highest service life requirements

### Properties

- Low capacitance, very good electrical properties
- Flame-retardant, self-extinguishing
- halogen-free, no corrosive gases
- Very good alternating bending strength
- Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Good resistance to use and salt water
- Excellent coolant and lubricant resistance
- Largely resistant to oils, greases, alcohol-free benzines and kerosene
- Free from paint wetting impairment substances (LABS-free)
- RoHS-compliant

### Technical data

|                        |   |
|------------------------|---|
| UL approval            | 300 V 80 °C   |
| Rated voltage          | 300 V   |
| Test voltage           | 3000 V  |
| Insulation resistance  | min. 100 MΩ × km  |
| Temperature range      |   |
| moving                 | -25 °C to +80 °C  |
| fixed                  | -40 °C to +80 °C  |
| Minimum bending radius |   |
| moving                 | Cable diameter × 10   |
| fixed                  | Cable diameter × 4  |
| Burning behaviour      | Flame-retardant according to VDE 0482 part 265-2; DIN EN 50265-2; IEC 60332-1; UL 1581 section VW-1Flame-Test |
| Halogen-free           | according to DIN EN 50264-1; EN 50267-2-1; EN 60684-2   |

### Design

- Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
- Special-TPE/HGI conductor insulation
- Conductor labelling Conductors colour-coded according to DIN 47100
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over stranded cable
- Full polyurethane jacket, matt, adhesion-free surface
- Jacket colour grey RAL 7001

| Part-No.                            | Number of strands/cross-section | Outer-∅ approx. mm | Weight kg/100 m | Cu-Index kg/100 m |
|-------------------------------------|---------------------------------|--------------------|-----------------|-------------------|
| <b>AWG 26 / 0,14 mm<sup>2</sup></b> |                                 |                    |                 |                   |
| 117030                              | 2×0.14                          | 3.4                | 2.1             | 0.3               |
| 117031                              | 3×0.14                          | 3.5                | 2.3             | 0.4               |
| 117032                              | 4×0.14                          | 3.8                | 2.8             | 0.6               |
| 117033                              | 5×0.14                          | 4.1                | 3.2             | 0.7               |
| 117034                              | 7×0.14                          | 4.4                | 4.7             | 1.0               |
| 117035                              | 10×0.14                         | 5.8                | 5.5             | 1.4               |
| 117036                              | 12×0.14                         | 6.0                | 6.0             | 1.6               |
| 117037                              | 18×0.14                         | 7.1                | 7.8             | 2.5               |
| 117038                              | 25×0.14                         | 8.4                | 10.4            | 3.4               |
| <b>AWG 24 / 0,25 mm<sup>2</sup></b> |                                 |                    |                 |                   |
| 117039                              | 2×0.25                          | 3.5                | 3.5             | 0.5               |
| 117040                              | 3×0.25                          | 3.8                | 3.4             | 0.7               |
| 117041                              | 4×0.25                          | 4.2                | 4.0             | 1.0               |
| 117042                              | 5×0.25                          | 4.5                | 4.5             | 1.2               |
| 117043                              | 7×0.25                          | 5.2                | 5.8             | 1.7               |
| 117044                              | 10×0.25                         | 6.1                | 7.0             | 2.4               |
| 117045                              | 12×0.25                         | 6.2                | 7.8             | 2.9               |
| 117046                              | 18×0.25                         | 7.2                | 10.4            | 4.3               |
| 117047                              | 25×0.25                         | 8.8                | 13.6            | 5.9               |
| <b>AWG 22 / 0,34 mm<sup>2</sup></b> |                                 |                    |                 |                   |
| 117048                              | 2×0.34                          | 3.7                | 3.4             | 0.6               |
| 117049                              | 3×0.34                          | 4.3                | 3.9             | 1.0               |
| 117050                              | 4×0.34                          | 4.5                | 4.5             | 1.2               |
| 117051                              | 5×0.34                          | 5.0                | 5.2             | 1.5               |
| 117052                              | 7×0.34                          | 5.8                | 6.5             | 2.2               |
| 117053                              | 10×0.34                         | 6.5                | 8.2             | 3.0               |
| 117054                              | 12×0.34                         | 6.9                | 9.1             | 3.7               |
| 117055                              | 18×0.34                         | 8.1                | 12.3            | 5.6               |
| 117056                              | 25×0.34                         | 9.2                | 17.4            | 7.8               |

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