

# PVC c-track cables

## LÜTZE SUPERFLEX® TRONIC



### Application

- Energy carrying systems as well as anywhere where signals are transmitted to continuously moving system or machine parts
- As control, measurement and regulation cable medium operating conditions without tensile loading

### Properties

- Minimal cable diameter through thin-walled PVC semi-rigid conductor insulation according to UL
- Especially suitable for cost-efficient IDC-connection (Insulation Displacement Connection)
- Outer jacket special-PVC Class 43 according to UL
- Very good oil resistance
- Widely resistant to acid and bases (see tech. information)
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

### Technical data

|                                   |   |
|-----------------------------------|---|
| UL approval                       | 300 V 80 °C   |
| Rated voltage                     | 300 V   |
| Insulation resistance             | min. 20 MΩ × km   |
| Temperature range according to UL |   |
| continuously moving               | -5 °C to +80 °C   |
| fixed                             | -25 °C to +80 °C  |
| Cold flexibility                  | according to UL up to -25 °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; CSA FT 1 |
| Oil resistant                     | according to UL 4d100C and DIN EN 60811-2-1   |

### Design

- Bare copper wire, finest multi-strand according to DIN VDE 0295 class 6, IEC 60228 class 6
- Special PVC semi-rigid conductor insulation according to UL, temperature-resistant according to VDE 0207 up to 105 °C
- Conductors colour-coded according to DIN 47100
- Conductors twisted without mechanical stress, layer pitch optimised
- Non-woven material over stranded cable
- Jacket special PVC according to UL class 43 and VDE 0207 TM5, Temperature-resistant according to VDE 0207 up to 90 °C
- Jacket colour grey RAL 7001

| Part-No.                   | Number of strands/cross-section | Outer-Ø approx. mm | Weight kg/100 m | Cu-Index kg/100 m |
|----------------------------|---------------------------------|--------------------|-----------------|-------------------|
| <b>0.14 mm<sup>2</sup></b> |                                 |                    |                 |                   |
| 117000                     | 2×0.14                          | 4.1                | 2.1             | 0.3               |
| 117001                     | 3×0.14                          | 4.2                | 2.3             | 0.5               |
| 117003                     | 5×0.14                          | 4.8                | 3.1             | 0.7               |
| 117004                     | 7×0.14                          | 5.4                | 3.8             | 1.0               |
| 117005                     | 10×0.14                         | 6.1                | 4.8             | 1.5               |
| 117006                     | 12×0.14                         | 6.3                | 5.3             | 1.8               |
| 117007                     | 18×0.14                         | 7.2                | 7.2             | 2.6               |
| 117008                     | 25×0.14                         | 8.4                | 9.5             | 3.6               |
| <b>0.25 mm<sup>2</sup></b> |                                 |                    |                 |                   |
| 117009                     | 2×0.25                          | 4.3                | 2.5             | 0.5               |
| 117010                     | 3×0.25                          | 4.5                | 2.8             | 0.7               |
| 117012                     | 5×0.25                          | 5.1                | 3.8             | 1.2               |
| 117013                     | 7×0.25                          | 5.8                | 4.8             | 1.7               |
| 117014                     | 10×0.25                         | 6.7                | 6.2             | 2.5               |
| 117015                     | 12×0.25                         | 6.8                | 6.9             | 2.9               |
| 117016                     | 18×0.25                         | 7.8                | 9.4             | 4.4               |
| 117017                     | 25×0.25                         | 9.9                | 12.6            | 6.3               |
| <b>0.34 mm<sup>2</sup></b> |                                 |                    |                 |                   |
| 117018                     | 2×0.34                          | 4.5                | 2.8             | 0.6               |
| 117019                     | 3×0.34                          | 4.7                | 3.2             | 1.0               |
| 117021                     | 5×0.34                          | 5.3                | 4.4             | 1.6               |
| 117022                     | 7×0.34                          | 6.1                | 5.6             | 2.2               |
| 117023                     | 10×0.34                         | 7.0                | 7.3             | 3.2               |
| 117024                     | 12×0.34                         | 7.2                | 8.2             | 3.9               |
| 117025                     | 18×0.34                         | 8.3                | 11.4            | 5.8               |
| 117026                     | 25×0.34                         | 9.7                | 15.2            | 8.4               |

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