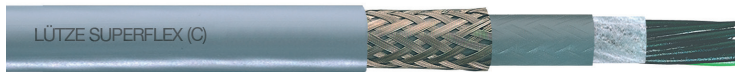


# Lutze Superflex® N (C) PVC, Shielded

NEW

## High Flexing Control Cable with UL/CSA/CE Approvals



### Application

- Braided shielded, multi-conductor high flexing cable suitable for control, monitoring and instrumentation applications with continuous flexing in C-track
- Machine tools, gantry robots, conveyors and other continuous motion applications in industrial environments
- For flexing applications such as C-tracks and other applications where linear flexing occurs
- Compatible with all major brand C-tracks

### Characteristics

- Extremely small cable ODs due to special **TPE High Glide Insulation** compliant with UL
- Sub-Jacket for increased flex life in high performance flexing and long cable runs
- Low capacitance
- Very flexible with superfine stranding
- Specially formulated PVC jacket per UL Class 43
- Non-wicking fillers
- Abrasion, high wear and tear resistance
- Hydrolysis, microbe and decompose resistant
- Talc free
- Silicone free
- Dry and wet conditions

### Technical Data

|                       |   |
|-----------------------|---|
| Voltage               | 600V UL AWM   |
| Test voltage          | 3000 V  |
| Insulation resistance | Min 100 MΩ x km   |
| Temperature           | Moving -5 - +90°C<br>Fixed -40 - +90°C                            |
| Bending radius        | Moving 10 x cable OD<br>Fixed 6 x cable OD                        |
| Conductor marking     | Black with white numbers and one green/yellow ground              |
| Burning behavior      | Flame-retardant per UL VW-1, DIN EN 50265-2-1 FT1                 |
| Oil resistance        | 4D100C, UL Oil res 80°C and DIN EN 60811-2-1                      |
| Approvals             | cUL AWM Styles 10429/2570<br>CSA AWM I/II A/B 80C<br>600V FT1, CE |

### Construction

- Bare copper super finely stranded per DIN VDE 0295 Class 6 or IEC 60228 Class 6
- HGI insulation based on TPE
- Optimized construction for flexing applications
- Conductors cabled with fleece wrap
- PVC Sub-Jacket
- Special high strength PVC Jacket per UL class 43 / VDE 0207 TM5, oil resistant
- Gray Jacket RAL 7001

| Part No.                           | Description<br>No. of conductors<br>incl. ground | OD - Ø<br>ca. mm | OD - Ø<br>inches | Weight<br>Lbs/Mft | Copper<br>Lbs/Mft |
|------------------------------------|--|------------------|------------------|-------------------|-------------------|
| <b>AWG 20 / 0.5 mm<sup>2</sup></b> |  |                  |                  |                   |                   |
| A1392003                           | 3  | 7.4              | 0.292            | 54                | 21                |
| A1392004                           | 4  | 7.8              | 0.307            | 60                | 25                |
| A1392005                           | 5  | 8.5              | 0.333            | 71                | 29                |
| A1392007                           | 7  | 9.7              | 0.382            | 94                | 43                |
| A1392012                           | 12   | 11.3             | 0.444            | 129               | 64                |
| A1392018                           | 18   | 13.1             | 0.516            | 176               | 93                |
| A1392025                           | 25   | 15.1             | 0.593            | 202               | 119               |
| <b>AWG 18 / 1.0 mm<sup>2</sup></b> |  |                  |                  |                   |                   |
| A1391803                           | 3  | 8.2              | 0.323            | 71                | 32                |
| A1391804                           | 4  | 8.8              | 0.347            | 83                | 40                |
| A1391805                           | 5  | 9.6              | 0.378            | 103               | 54                |
| A1391807                           | 7  | 11               | 0.431            | 133               | 70                |
| A1391812                           | 12   | 13               | 0.512            | 189               | 110               |
| A1391818                           | 18   | 14.9             | 0.587            | 260               | 161               |
| A1391825                           | 25   | 17.6             | 0.691            | 318               | 224               |
| A1391834                           | 34   | 19.4             | 0.765            | 399               | 291               |
| <b>AWG 16 / 1.5 mm<sup>2</sup></b> |  |                  |                  |                   |                   |
| A1391603                           | 3  | 8.8              | 0.346            | 88                | 44                |
| A1391604                           | 4  | 9.6              | 0.378            | 109               | 60                |
| A1391605                           | 5  | 10.4             | 0.411            | 128               | 72                |
| A1391607                           | 7  | 11.9             | 0.469            | 165               | 95                |
| A1391612                           | 12   | 14.1             | 0.556            | 239               | 151               |
| A1391618                           | 18   | 16.2             | 0.638            | 336               | 224               |
| A1391625                           | 25   | 19.4             | 0.764            | 431               | 312               |
| <b>AWG 14 / 2.5 mm<sup>2</sup></b> |  |                  |                  |                   |                   |
| A1391404                           | 4  | 11               | 0.433            | 155               | 90                |
| A1391405                           | 5  | 11.9             | 0.469            | 179               | 109               |
| A1391407                           | 7  | 13.6             | 0.537            | 216               | 143               |
| <b>AWG 12 / 4 mm<sup>2</sup></b>   |  |                  |                  |                   |                   |
| A1391204                           | 4  | 12.6             | 0.496            | 214               | 135               |
| A1391207                           | 7  | 15.9             | 0.625            | 311               | 222               |

High performance linear flexing cable, compliant with **NFPA 79, 2012 Edition** Article 12.9 Special cables and Conductors.

Specifications are subject to change without prior notice