

LÜTZE SUPERFLEX® Tronic PUR, Unshielded

High Flexing Electronic Cable with UL/CE Approvals



Application

- Multi-conductor cable for robots, handling equipment, machine tools, C-tracks and applications with extremely rough operating conditions
- For the most demanding flexing applications such as C-tracks and linear flexing
- Compatible with all major brand C-tracks

Characteristics

- Superfine stranding per Class 6 for continuous moving applications
- PUR jacket and TPE conductor insulation for use in extremely harsh operating conditions
- Highest level of resistance against cooling fluids, greases and oils
- Abrasion and hydrolysis resistant, low water absorption
- Dry, wet and damp conditions
- UV resistant
- Talc and Silicone free

Technical Data

| | |
|------------------------|---|
| Voltage | 300V UL AWM |
| Temperature | Moving -25°C - +80°C Fixed -40°C - +80°C |
| Minimum bending radius | Moving 10 x cable OD Fixed 6 x cable OD |
| Conductor marking | Color coded per DIN EN 50334 or DIN 47100 |
| Isolation resistance | Min 20MΩ x km |
| Burning behavior | Flame retardant per VDE 0482 part 265-2 DIN EN 50265-2 IEC 60332-1, UL 1581 section VW-1 Flame test CSA FT1 |
| Halogen free | According to DIN EN 50267-2-1 |
| Oil resistance | Oil Res II |
| Approvals | RoHS REACH |

Construction

- Metric conductor
- Bare copper super finely stranded per DIN VDE 0295 Class 6 or IEC 60228 Class 6
- TPE conductor insulation
- G: with GNYE ground conductor
x: without ground conductor
- Layer pitch optimized
- Fleece wrap over cabled conductors
- PUR jacket, matte, adhesion-free surface
- Extremely oil resistant PUR jacket
- Gray jacket RAL 7001

| Part No. | Description No. of conductors | OD / Ø ca. mm | OD / Ø inches | Weight Lbs/Mft | Copper Lbs/Mft |
|-------------------------------------|----------------------------------|------------------|------------------|-------------------|-------------------|
| AWG 24 / 0.25 mm² | | | | | |
| 117039 | 2x0.25 | 3.8 | 0.150 | 12 | 3 |
| 117040 | 3x0.25 | 4.0 | 0.157 | 14 | 5 |
| 117041 | 4x0.25 | 4.3 | 0.170 | 17 | 7 |
| 117042 | 5x0.25 | 4.7 | 0.185 | 19 | 8 |
| 117043 | 7x0.25 | 5.4 | 0.213 | 25 | 11 |
| 117044 | 10x0.25 | 6.2 | 0.244 | 33 | 16 |
| 117028 | 15x0.25 | 7.0 | 0.276 | 46 | 24 |
| 117046 | 18x0.25 | 7.5 | 0.295 | 53 | 29 |
| 117047 | 25x0.25 | 8.8 | 0.346 | 71 | 40 |
| AWG 22 / 0.34 mm² | | | | | |
| 117048 | 2x0.34 | 4.0 | 0.157 | 13 | 6 |
| 117049 | 3x0.34 | 4.2 | 0.165 | 16 | 7 |
| 117050 | 4x0.34 | 4.5 | 0.177 | 19 | 9 |
| 117051 | 5x0.34 | 4.9 | 0.193 | 23 | 11 |
| 117052 | 7x0.34 | 5.7 | 0.224 | 30 | 15 |
| 117053 | 10x0.34 | 6.6 | 0.260 | 40 | 20 |
| 117029 | 15x0.34 | 7.5 | 0.295 | 56 | 30 |
| 117055 | 18x0.34 | 7.9 | 0.311 | 64 | 38 |
| 117056 | 25x0.34 | 9.3 | 0.366 | 86 | 52 |