

# LÜTZE SUPERFLEX® TRONIC AS (C) PUR, Shielded

## High Flexing Actuator Sensor Cable with UL Approval



### Application

- Termination cable for actor-sensor applications
- For continuous flexing use in C-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacturing
- Full PUR jacket and TPE conductor insulation optimally suited for extremely harsh operating conditions, aggressive coolants and lubricants

### Characteristics

- High active and passive interference resistance (EMC)
- Very good alternating bending strength
- Good pressure and flexing stability
- Low adhesion, abrasion-resistant, nick-resistant, tear-resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Weathering, ozone and UV resistant
- Salt water resistant
- Excellent coolant and lubricant resistance
- Largely resistant to oils, greases, alcohol-free benzines and kerosene
- Talc and Silicone free

### Technical Data

UL approval	AWM 20549
Voltage	300V 80°C
Test voltage	3000V
Insulation resistance	Min. 100MΩ x km
Temperature range	Moving -20°C - +80°C Fixed -40°C - +80°C
Minimum bending radius	Moving 12 x cable OD Fixed 6 x cable OD
Burning behavior	Flame retardant per VDE 0482 part 265-2 DIN EN 50265-2 IEC 60332-1 UL 1581 VW-1 Flame test CSA FT1
Halogen free	According to DIN EN 50267-2-1
Approvals	RoHS REACH

### Construction

- Metric conductor
- Bare copper wire finely stranded per DIN VDE 0295 class 6 and IEC 60228 class 6
- Special TPE conductor insulation
- G: with GNYE ground conductor  
x: without ground conductor
- Conductors color coded per EN 60947-5-2
- Layer pitch optimized
- Fleece wrap over cabled conductors
- Tinned copper braid shield, optical coverage ≥ 85 %
- PUR jacket, matte, adhesion-free surface
- Black jacket RAL 9005

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
<b>AWG24 / 0.25 mm<sup>2</sup></b>					
117250	(3x0.25) BN, BU, BK	4.6	0.181	19	11
117251	(4x0.25) BN, WH, BU, BK	4.9	0.193	22	13
117252	(8x0.25) WH, BN, GN, YE, GY, PK, BU, RD	6.3	0.248	37	24
<b>AWG22 / 0.34 mm<sup>2</sup></b>					
117253	(3x0.34) BN, BU, BK	4.8	0.189	22	13
117254	(4x0.34) BN, WH, BU, BK	5.1	0.201	26	16
117255	(5x0.34) BN, WH, BU, BK, GY	5.5	0.217	30	19