

# LUTZE SUPERFLEX® Tronic (C) PUR, Shielded

## 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

- Super finely stranded 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 12 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 DIN EN 60332-1-2 IEC 60332-1 UL 1581 section VW-1 Flame Test FT1
Halogen free	According to DIN EN 60754-1
Oil resistance	Oil Res II
Approvals	UL AWM Style 20549 RoHS REACH

### Construction

- Metric conductor
- Bare copper super 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
- Layer pitch optimized
- Fleece wrap over cabled conductors
- Tinned copper braid shield, optical coverage ≥ 85 %
- PUR jacket, matte, adhesion-free surface
- Extremely oil resistant PUR jacket
- Gray jacket, similar to RAL 7001

Specifications are subject to change without prior notice

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
<b>AWG 24 / 0.25 mm<sup>2</sup></b>					
117099	(2x0.25)	4.3	0.169	18	9
117100	(3x0.25)	4.5	0.177	20	11
117101	(4x0.25)	4.8	0.189	24	13
117102	(5x0.25)	5.1	0.201	27	15
117103	(7x0.25)	5.8	0.228	34	21
117104	(10x0.25)	6.7	0.264	43	28
117106	(18x0.25)	7.8	0.307	65	43
117107	(25x0.25)	9.4	0.370	85	57
<b>AWG 22 / 0.34 mm<sup>2</sup></b>					
117108	(2x0.34)	4.5	0.177	20	10
117109	(3x0.34)	4.7	0.185	23	13
117110	(4x0.34)	5.0	0.197	27	16
117111	(5x0.34)	5.4	0.213	31	19
117112	(7x0.34)	6.2	0.244	39	25
117113	(10x0.34)	7.1	0.280	50	34
117124	(15x0.34)	7.3	0.287	68	50
117115	(18x0.34)	8.4	0.331	77	54
117116	(25x0.34)	10.0	0.394	107	77