

# LÜTZE 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 VDE 0482 part 265-2 CSA FT1, Flame Test, UL 1581 section VW-1 IEC 60332-1
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 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 RAL 7001

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>					
<b>117099</b>	(2x0.25)	4.3	0.169	18	9
<b>117100</b>	(3x0.25)	4.5	0.177	20	11
<b>117101</b>	(4x0.25)	4.9	0.193	24	13
<b>117102</b>	(5x0.25)	5.1	0.201	27	15
<b>117103</b>	(7x0.25)	5.9	0.232	34	21
<b>117104</b>	(10x0.25)	6.7	0.264	43	28
<b>117123</b>	(15x0.25)	7.5	0.295	58	40
<b>117106</b>	(18x0.25)	8.2	0.323	65	43
<b>117107</b>	(25x0.25)	9.4	0.370	85	57
<b>AWG 22 / 0.34 mm<sup>2</sup></b>					
<b>117108</b>	(2x0.34)	4.5	0.177	20	10
<b>117109</b>	(3x0.34)	4.7	0.185	23	13
<b>117110</b>	(4x0.34)	5.1	0.201	27	16
<b>117111</b>	(5x0.34)	5.4	0.213	31	19
<b>117112</b>	(7x0.34)	6.2	0.244	39	25
<b>117113</b>	(10x0.34)	7.0	0.276	50	34
<b>117124</b>	(15x0.34)	7.3	0.287	68	50
<b>117115</b>	(18x0.34)	8.5	0.335	77	54
<b>117116</b>	(25x0.34)	9.6	0.378	107	77