

LUTZE 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 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 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, similar to 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	4.4	0.173	17	7
117042	5x0.25	4.7	0.185	19	8
117043	7x0.25	5.4	0.213	25	11
117044	10x0.25	6.3	0.248	33	16
117028	15x0.25	7.1	0.280	46	24
117046	18x0.25	7.4	0.291	53	29
117047	25x0.25	8.8	0.346	71	40
AWG 22 / 0.34 mm²					
117048	2x0.34	4.1	0.161	13	6
117049	3x0.34	4.3	0.169	16	7
117050	4x0.34	4.6	0.181	19	9
117051	5x0.34	5.0	0.197	23	11
117052	7x0.34	5.7	0.224	30	15
117053	10x0.34	6.7	0.264	40	20
117029	15x0.34	7.6	0.299	56	30
117055	18x0.34	7.9	0.311	64	38
117056	25x0.34	9.5	0.374	86	52

Specifications are subject to change without prior notice