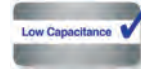
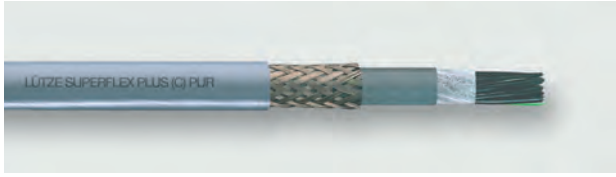


LÜTZE SUPERFLEX® Plus N (C) PUR, Shielded

High Flexing Control 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
- High performance linear flexing cable, compliant with **NFPA 79, 2012 Edition** Article 12.9 special cables and conductors

Characteristics

- Superfine stranding per Class 6 for continuous moving applications
- Extremely small cable ODs due to special **TPE High Glide Insulation** compliant with UL
- Reduced friction
- Highest level of resistance against cooling fluids, greases and oils
- Abrasion and hydrolysis resistant, low water absorption
- Dry and wet conditions
- UV resistant
- Non-wicking fillers
- Talc and Silicone free

Technical Data

Voltage	300/600V 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	Black with white numbers and one green/yellow ground
Isolation resistance	Min 100MΩ x km
Burning behavior	Flame retardant per VDE 0482 part 265-2 DIN EN 50265-2-1 IEC 60332-1, UL 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 wire 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
- Optimized construction for flexing applications
- Conductors cabled with fleece wrap
- TPE subjacket for long flex life
- Tinned copper braid shield
- Extremely oil resistant PUR jacket
- Gray jacket RAL 7001

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
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300V UL AWM Style 20233

AWG 20 / 0.5 mm ²					
113300	(3G0.5)	6.6	0.260	38	18
113347	(4G0.5)	7.0	0.276	43	22
113301	(5G0.5)	7.5	0.295	49	26
113302	(7G0.5)	8.3	0.327	61	34
113303	(12G0.5)	9.7	0.382	86	53
113304	(18G0.5)	11.0	0.433	120	80
113305	(25G0.5)	12.0	0.472	157	107

AWG 18 / 1.0 mm ²					
113312	(3G1.0)	7.8	0.307	61.1	30
113324	(4G1.0)	8.3	0.327	71.2	38
113313	(5G1.0)	8.9	0.350	82.0	46
113314	(7G1.0)	10.1	0.398	104.8	61
113315	(12G1.0)	11.5	0.453	161.3	103
113316	(18G1.0)	13.1	0.516	217.7	147
113317	(25G1.0)	15.8	0.622	295.7	204

600V UL AWM Style 20234

AWG 18 / 1.0 mm ²					
113360	(3G1.0)	8.7	0.382	69	32
113361	(4G1.0)	9.3	0.366	80	39
113362	(5G1.0)	9.9	0.390	92	47
113363	(7G1.0)	11.4	0.449	123	68
113364	(12G1.0)	13.3	0.524	175	106
113365	(18G1.0)	15.1	0.594	235	151
113366	(25G1.0)	17.9	0.705	329	223

AWG 16 / 1.5 mm ²					
113318	(3G1.5)	9.7	0.382	84	42
113331	(4G1.5)	10.5	0.413	99	58
113319	(5G1.5)	11.3	0.445	120	70
113320	(7G1.5)	12.9	0.508	153	93
113321	(12G1.5)	15.1	0.594	222	147
113322	(18G1.5)	17.2	0.677	308	217
113323	(25G1.5)	19.7	0.776	425	310

AWG 14 / 2.5 mm ²					
113341	(3G2.5)	10.6	0.417	113	64
113332	(4G2.5)	11.9	0.469	142	86
113339	(5G2.5)	12.6	0.496	165	105
113340	(7G2.5)	14.8	0.583	214	142
113344	(12G2.5)	16.7	0.657	325	236
113342	(18G2.5)	19.4	0.764	466	356