

Lutze Superflex® Plus N (C) PUR, Shielded

High Flexing Control Cable with UL/CSA/CE Approvals

halogen-free



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
- Extremely small cable ODs due to special **TPE High Glide Insulation** compliant with UL
- Reduced friction
- PUR jacket
- 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 free

Technical Data

Voltage	300/600V UL AWM
Temperature	Moving -25°C - +80°C Fixed -40°C - +80°C
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 100 MΩ x km
Approvals	UL/CSA/CE Halogen free per DIN EN 50264-1, EN 50267-2-1, EN 60684-2 Flame-retardant per DIN EN 50265-2-1, IEC 60332-1 UL VW-1 FT 1 Oil Res II RoHS

Construction

- Bare copper super finely stranded per DIN VDE 0295 Class 6 or IEC 60228 Class 6
- TPE subjacket for long flex life
- Tinned copper braid shield
- Extremely oil resistant gray PUR jacket

Part No.	Description No. of conductors incl. ground	OD - Ø ca. mm	OD - Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 20 / 0.5 mm² 300V UL AWM					
113300	3	6.3	0.248	41.0	18
113347	4	6.9	0.272	46.2	22
113301	5	7.3	0.287	53.1	26
113302	7	8.2	0.323	65.9	34
113303	12	9.7	0.382	91.4	53
113304	18	11.0	0.433	129.0	80
113305	25	11.7	0.461	167.3	107
AWG 18 / 1.0 mm² 300V UL AWM					
113312	3	7.8	0.307	61.1	30
113324	4	8.3	0.327	71.2	38
113313	5	8.9	0.350	82.0	46
113314	7	10.1	0.398	104.8	61
113315	12	11.5	0.453	161.3	103
113316	18	13.1	0.516	217.7	147
113317	25	15.8	0.622	295.7	204
AWG 16 / 1.5 mm² 600V UL AWM					
113318	3	9.5	0.374	80.6	42
113331	4	10.5	0.413	94.7	58
113319	5	11.3	0.445	118.3	70
113320	7	13.2	0.484	163.3	93
113321	12	14.7	0.563	235.2	147
113322	18	16.7	0.650	326.6	217
113323	25	19.7	0.764	454.3	310
AWG 14 / 2.5 mm² 600V UL AWM					
113341	3	10.1	0.398	125.0	64
113332	4	11.7	0.461	160.6	86
113339	5	12.6	0.496	186.8	105
113340	7	14.4	0.567	241.9	142
113344	12	17.1	0.673	365.2	236
113342	18	19.9	0.783	526.6	356

Specifications are subject to change without prior notice