

Lutze Superflex® Plus N PUR, Unshielded

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
- Silicone/Talc free

Technical Data

Voltage	300/600V UL AWM
Temperature	Moving -25°C - +80°C Fixed -40°C - +80°C
Bending radius	Moving 7.5 x cable OD Fixed 4 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground; *no ground included
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 conductor insulation
- 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					
113431	2*	4.7	0.185	18.1	7
113441	3	4.9	0.193	21.4	10
113442	4	5.2	0.205	27.5	13
113443	5	5.6	0.220	36.9	16
113444	7	6.6	0.260	42.9	23
113446	12	8.0	0.315	64.3	40
113438	18	9.0	0.354	92.5	59
113447	25	10.8	0.425	121.9	82
AWG 18 / 1.0 mm² 300V UL AWM					
113484	2*	5.8	0.228	31.5	13
113400	3	6.1	0.240	33.5	20
113433	4	6.6	0.260	48.2	27
113401	5	7.2	0.283	57.0	34
113402	7	8.7	0.343	77.1	46
113403	12	10.1	0.398	120.6	80
113404	18	11.6	0.457	180.9	119
113405	25	14.1	0.555	227.1	166
AWG 16 / 1.5 mm² 600V UL AWM					
113485	2*	6.8	0.268	51.6	19
113406	3	8.0	0.315	52.3	30
113412	4	8.3	0.327	63.7	40
113407	5	9.1	0.360	77.1	50
113408	7	10.0	0.394	117.3	69
113409	12	12.6	0.496	177.6	118
113410	18	14.9	0.587	240.5	178
113411	25	17.6	0.693	348.4	247
AWG 14 / 2.5 mm² 600V UL AWM					
113483	3	9.2	0.362	81.1	49
113415	4	9.9	0.390	95.8	66
113416	5	10.7	0.421	117.3	82
113417	7	12.6	0.496	164.2	114
113426	12	15.5	0.610	261.3	192
113479	18	17.6	0.693	389.3	294

* no ground conductor included

Specifications are subject to change without prior notice