

# LUTZE SUPERFLEX® Plus M PUR 0.6/1kV, Unshielded

## High Flexing Single Conductor Motor Cable for Continuous Motion Applications



### Application

- Continuous flexing cable suitable for machine and device construction for transport and conveyor technology
- As motor supply or ground conductor
- For the most demanding flexing applications such as drag chains and linear flexing
- Compatible with all major drag chain brands
- Compliant with NFPA 79, Article 12.9

### Characteristics

- Super finely stranded per class 6 for continuous moving applications
- Very good alternating bending strength
- TPE insulation with very high break through resistance
- PUR jacket for highest level of resistance against cooling fluids, greases and oils
- Abrasion, high wear and tear resistance
- Hydrolysis, microbe, and rot resistant
- UV resistant
- Talc and silicone free

### Technical Data

Voltage	1000V 80C AWM 0.6/1kV U <sub>0</sub> /U
Test voltage	4000V
Temperature range	Moving -25°C - +80°C Fixed -40°C - +80°C
Bending radius min	Moving 7.5 x cable OD Fixed 4 x cable OD
Insulation resistance	Min. 200MΩ x km
Burning behavior	Flame retardant per DIN EN 60332-1-2 IEC 60332-1 UL 1581 section VW-1 FT1
Halogen free	According to DIN EN 60754-1
Oil resistance	Oil Res II
Approvals	UL AWM Style 10587 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
- Extremely oil resistant PUR jacket
- Black jacket similar to RAL 9005

Specifications are subject to change without prior notice

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
<b>AWG 10 / 6 mm<sup>2</sup></b>					
111136	1x6	7.1	0.279	61	38
<b>AWG 8 / 10 mm<sup>2</sup></b>					
111126	1x10	8.4	0.331	93	62
<b>AWG 6 / 16 mm<sup>2</sup></b>					
111127	1x16	9.8	0.386	138	99
<b>AWG 4 / 25 mm<sup>2</sup></b>					
111128	1x25	11.4	0.449	206	157
<b>AWG 2 / 35 mm<sup>2</sup></b>					
111129	1x35	13.4	0.528	290	219
<b>AWG 1 / 50 mm<sup>2</sup></b>					
111130	1x50	15.2	0.598	384	321
<b>2/0 / 70 mm<sup>2</sup></b>					
111131	1x70	16.6	0.654	526	433
<b>3/0 / 95 mm<sup>2</sup></b>					
111132	1x95	19.2	0.756	701	597

### Green/Yellow Jacket

<b>AWG 8 / 10 mm<sup>2</sup></b>					
111243	1x10	8.4	0.331	93	62
<b>AWG 6 / 16 mm<sup>2</sup></b>					
111197	1x16	9.8	0.386	138	99