

# LUTZE SUPERFLEX® Plus M (C) PUR 0.6/1kV, Shielded

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



### Application

- Continuous flexing shielded cable suitable for machine and device construction for transport and conveyor technology
- As motor supply 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 super finely stranded per DIN VDE 0295 class 6 and IEC 60228 class 6
- Special TPE conductor insulation
- Fleece wrap
- Tinned copper braid shield, optical coverage 85%
- 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>					
111288	(1x6)	7.7	0.303	77	52
<b>AWG 8 / 10 mm<sup>2</sup></b>					
111289	(1x10)	9.0	0.354	115	81
<b>AWG 6 / 16 mm<sup>2</sup></b>					
111290	(1x16)	10.4	0.409	162	121
<b>AWG 4 / 25 mm<sup>2</sup></b>					
111291	(1x25)	12.0	0.472	237	183
<b>AWG 2 / 35 mm<sup>2</sup></b>					
111292	(1x35)	14.0	0.551	323	250
<b>AWG 1 / 50 mm<sup>2</sup></b>					
111293	(1x50)	15.8	0.622	424	356