

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

## High Flexing Motor Cable for Continuous Motion Applications



### Application

- Continuous flexing motor, servo and VFD cable
- Suitable for applications with extremely rough operating conditions and oil exposure
- For the most demanding flexing applications such as drag chains and linear flexing
- For Siemens (6FX8008) and similar systems
- 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
- Reduced friction
- Low capacitance
- Highest level of resistance against cooling fluids, greases and oils
- Ecolab certified resistance to common cleaning agents and chemicals used in food and beverage washdown procedures
- Abrasion, high wear and tear resistance
- Hydrolysis, microbe, and rot resistant
- UV resistant
- Non-wicking fillers
- Talc and silicone free

### Technical Data

Voltage	1000V 80C AWM 0.6/1kV U <sub>0</sub> /U
Temperature range	Moving -25°C - +80°C Fixed -40°C - +80°C
Bending radius min	Moving 10 x cable OD Fixed 6 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground
Insulation resistance	Min. 500MΩ 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 21223 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
- Tinned copper braid shield, optical coverage 85%
- Extremely oil resistant PUR jacket
- Orange jacket similar to RAL 2003

Part No.	Description No. of conductors	Siemens Designation	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
<b>AWG18 / 1.0 mm<sup>2</sup></b>						
111879	(4G1.0)	-	7.4	0.291	72.6	44
<b>AWG 16 / 1.5 mm<sup>2</sup></b>						
111460	(4G1.5)	1BB11*	8.6	0.339	78.6	56
<b>AWG 14 / 2.5 mm<sup>2</sup></b>						
111461	(4G2.5)	1BB21*	10.8	0.425	116.3	87
<b>AWG 12 / 4 mm<sup>2</sup></b>						
111462	(4G4)	1BB31*	12.2	0.480	164.6	129
<b>AWG 10 / 6 mm<sup>2</sup></b>						
111463	(4G6)	1BB41*	14.0	0.551	245.3	185
<b>AWG 8 / 10 mm<sup>2</sup></b>						
111464	(4G10)	1BB51*	17.6	0.693	368.9	302
<b>AWG 6 / 16 mm<sup>2</sup></b>						
111465	(4G16)	1BB61*	21.2	0.835	570.5	484
<b>AWG 4 / 25 mm<sup>2</sup></b>						
111466	(4G25)	1BB25*	25.0	0.984	872.9	726
<b>AWG 2 / 35 mm<sup>2</sup></b>						
111467	(4G35)	1BB35*	28.8	1.134	1,136.9	1,024

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