

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

High Flexing Motor Cable for Continuous Motion Applications



Application

- Continuous flexing motor and power cable for machine tools, handling equipment and processing machines
- 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
- TPE conductor insulation
- Low capacitance
- PUR jacket
- 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 ₀ /U
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
Conductor marking	Black with white numbers and one green/yellow ground
Insulation resistance	Min 500MΩ x km
Burning behavior	Flame retardant per DIN EN 60322-1-2 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

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 16 / 1.5 mm²					
111370	4G1.5	8.2	0.323	81	39
AWG 14 / 2.5 mm²					
111371	4G2.5	10.0	0.394	96	64
AWG 12 / 4 mm²					
111372	4G4	11.6	0.457	156	103
111545	5G4	13.0	0.512	192	130
AWG 10 / 6 mm²					
111373	4G6	13.6	0.535	220	155
111430	5G6	14.4	0.567	269	194
AWG 8 / 10 mm²					
111374	4G10	16.8	0.661	352	257
AWG 6 / 16 mm²					
111375	4G16	20.4	0.803	663	411
AWG 4 / 25 mm²					
111376	4G25	24.2	0.953	804	643
AWG 2 / 35 mm²					
111377	4G35	30.5	1.201	1,240	901

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
- Layer pitch optimized
- Fleece wrap over cabled conductor
- Extremely oil resistant PUR jacket
- Black jacket similar to RAL 9005

Specifications are subject to change without prior notice