

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

High Flexing Composite 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
- With two control pairs for Indramat / Bosch Rexroth 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 ₀ /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 Control pairs number printed (5,6) (7,8)
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
- Control pairs individually shielded with foil and braid
- Tinned copper braid shield, optical coverage 85%
- Extremely oil resistant PUR jacket
- Orange jacket similar to RAL 2003

WITH TWO SHIELDED CONTROL PAIRS

Part No.	Description No. of conductors	Indramat Designation*	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 16 / 1.5 mm²						
111271	(4G1.5+ 2x(2x0.75))	INK 0650*	12.9	0.508	171	109
AWG 14 / 2.5 mm²						
111279	(4G2.5+ 2x(2x1.0))	INK 0602*	14.2	0.559	221	152
AWG 12 / 4 mm²						
111388	(4G4+(2x1.0)+ (2x1.5))	INK 0603*	16.3	0.642	255	221
AWG 10 / 6 mm²						
111998	(4G6+(2x1.0)+ (2x1.5))	INK 0604*	18.4	0.724	355	258
AWG 8 / 10 mm²						
111762	(4G10+(2x1.0)+ (2x1.5))	INK 0605*	22.3	0.878	513	383
AWG 6 / 16 mm²						
111276	(4G16+2x(2x1.5))	INK 0606*	26.8	1.055	714	598

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