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

High Flexing Composite Motor Cable with UL/CE/DESINA Approvals

Application

- High flexing Servo Motor, Motor and VFD Cable for continuous flexing applications
- Suitable for applications with extremely rough operating conditions and oil exposure
- Designed for demanding industrial C-track applications
- With two control pairs for Indramat / Bosch Rexroth and similar systems
- Compatible with all major brand C-tracks

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
- Abrasion and hydrolysis resistant, low water absorption
- UV resistant
- Non-wicking fillers
- Talc and Silicone free

Technical Data

Voltage	1000V UL AWM U_0/U 0.6/1kV	
Temperature	Moving Fixed	-25°C - +80°C -40°C - +80°C
Minimum bending radius	Moving Fixed	10 x cable OD 6 x cable OD
Conductor marking	Black with white numbers and one green/yellow ground	
Isolation 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
  x: without ground conductor
- Control pairs individually shielded with foil and braid
- Control pairs number printed (5,6)(7,8)
- Layer pitch optimized
- Fleece wrap over cabled conductors
- Tinned copper braid shield, optical coverage ≥ 85 %
- Extremely oil resistant PUR jacket
- Orange jacket RAL 2003

*Indramat article designations are registered trademarks
Specifications are subject to change without prior notice

WITH TWO CONTROL PAIRS

Part No.	Description No. of conductors incl. ground	Indramat Designation*	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
	AWG 18 / 1.0 mm²					
111270	(4G1.0+ 2x(2x0.75))	INK 0653*	12.5	0.492	155	93
	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
	AWG 4 / 25 mm²					
111277	(4G25+2x(2x1.5))	INK 0607*	29.3	1.154	1,151	847
	AWG 2 / 35 mm²					
111278	(4G35+2x(2x1.5))	INK 0667*	32.5	1.280	1,462	1,102