

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 one control pair for SIEMENS (6FX8008) 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 -25°C - +80°C Fixed -40°C - +80°C
Minimum bending radius	Moving 10 x cable OD Fixed 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 pair individually shielded with foil and braid
- Control pair color-coded (bk, wh)
- Layer pitch optimized
- Fleece wrap over cabled conductors
- Tinned copper braid shield, optical coverage ≥ 85 %
- Extremely oil resistant PUR jacket
- Orange jacket RAL 2003

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Specifications are subject to change without prior notice

WITH ONE CONTROL PAIR

Part No.	Description No. of conductors incl. ground	Siemens Designation	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 16 / 1.5 mm²						
111420	(4G1.5 + (2x1.5))	1BA11*	11.4	0.449	141	100
AWG 14 / 2.5 mm²						
111421	(4G2.5 + (2x1.5))	1BA21*	12.9	0.508	158	130
AWG 12 / 4 mm²						
111422	(4G4 + (2x1.5))	1BA31*	14.5	0.571	215	171
AWG 10 / 6 mm²						
111423	(4G6 + (2x1.5))	1BA41*	16.1	0.634	289	228
AWG 8 / 10 mm²						
111424	(4G10 + (2x1.5))	1BA51*	19.5	0.768	457	353
AWG 6 / 16 mm²						
111425	(4G16 + (2x1.5))	1BA61*	23.6	0.929	642	519
AWG 4 / 25 mm²						
111426	(4G25 + (2x1.5))	1BA25*	28.5	1.122	917	761
AWG 2 / 35 mm²						
111427	(4G35 + (2x1.5))	1BA35*	31.0	1.220	1,845	1,068
AWG 1 / 50 mm²						
111428	(4G50 + (2x1.5))	1BA50*	34.5	1.358	2,511	1,505