LUTZE SUPERFLEX® Plus PUR 0.6/1kV, Unshielded

High Flexing Single Conductor Motor Cable with UL approvals

Application

- Performance flexing cable, specifically suitable for machine and device construction for transport and conveyor technology
- As motor supply or ground conductor
- Optimally suited for C-tracks in extremely harsh operating conditions
- Compatible with all major brand C-tracks

Characteristics

- Very good alternating bending strength
- Good pressure and roll-over resistance
- Super finely stranded per class 6 for continuous moving applications
- TPE insulation with very high break through resistance
- PUR jacket for highest level of resistance against cooling fluids, greases and oils
- Abrasion, high wear and tear resistance
- Hydrolysis, microbe, and decompose resistant
- UV resistant
- Talc and Silicone free

Technical Data

Voltage	U_0/U 0.6/1kV	
Test voltage	4000V	
Temperature	Moving	-25°C - +80°C
	Fixed	-40°C - +80°C
Minimum bending radius	Moving	7.5 x cable OD
	Fixed	4 x cable OD
Insulation resistance	Min. 200MΩ x km	
Burning behavior	Flame retardant per DIN EN 60332-1-2 IEC 60332-1 UL 1581 section VW-1 FT 1	
Halogen free	According to DIN EN 60754-1	
Oil resistance	Oil Res II	
Approvals	UL AWM Style 10587 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
- Extremely oil resistant PUR jacket
- Black jacket RAL 9005

Specifications are subject to change without prior notice

Part No.	Description No. of conductors	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
	AWG 10 / 6 mm²				
111136	1x6	7.1	0.279	61	38
	AWG 8 / 10 mm²				
111126	1x10	8.4	0.331	93	62
	AWG 6 / 16 mm²				
111127	1x16	9.8	0.386	138	99
	AWG 4 / 25 mm²				
111128	1x25	11.4	0.449	206	157
	AWG 2 / 35 mm²				
111129	1x35	13.4	0.528	290	219
	AWG 1 / 50 mm²				
111130	1x50	15.2	0.598	384	321
	2/0 / 70 mm²				
111131	1x70	16.6	0.654	526	433
	3/0 / 95 mm²				
111132	1x95	19.2	0.756	701	597
	4/0 / 120 mm²				
111133	1x120	22.6	0.890	874	806

Green/Yellow jacket

	AWG 8 / 10 mm²				
111243	1x10	8.4	0.331	93	62
	AWG 6 / 16 mm²				
111197	1x16	9.8	0.386	138	99