

LUTZE SUPERFLEX® Plus PUR 0.6/1kV, Unshielded

High Flexing Single Conductor Motor Cable 0.6/1kV, Unshielded



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 and hydrolysis resistant, low water absorption
- 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
Isolation 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
AWG 4 / 25 mm²					
111337	1x25	11.4	0.449	206	157
AWG 2 / 35 mm²					
111285	1x35	13.4	0.528	290	219