

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

High Flexing Single Conductor Motor Cable 0.6/1kV



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 super finely stranded per DIN VDE 0295 class 6 and IEC 60228 class 6
- Special TPE conductor insulation
- Fleece wrap
- Tinned copper braid shield, optical coverage ≥ 85 %
- 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				
111288	(1x6)	7.7	0.303	77	52
	AWG 8 / 10 mm²				
111289	(1x10)	9.0	0.354	115	81
	AWG 6 / 16 mm²				
111290	(1x16)	10.4	0.409	162	121
	AWG 4 / 25 mm²				
111291	(1x25)	12.0	0.472	237	183
	AWG 2 / 35 mm²				
111292	(1x35)	14.0	0.551	323	250
	AWG 1 / 50 mm²				
111293	(1x50)	15.8	0.622	424	356
	2/0 / 70 mm²				
111294	(1x70)	17.4	0.685	573	473
	3/0 / 95 mm²				
111295	(1x95)	20.2	0.795	770	657
	4/0 / 120 mm²				
111296	(1x120)	23.6	0.929	962	884