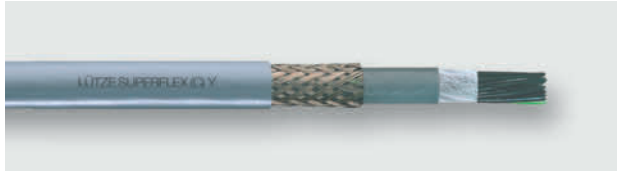


LUTZE SUPERFLEX® N (C) PVC, Shielded

High Flexing Control Cable with UL/CE Approvals



Application

- Braid shielded, multi-conductor high flexing cable suitable for control, monitoring and instrumentation applications with continuous flexing in C-track
- Machine tools, gantry robots, conveyors and other continuous motion applications in industrial environments
- For flexing applications such as C-tracks and other applications where linear flexing occurs
- Compatible with all major brand C-tracks
- High performance linear flexing cable, compliant with **NFPA 79, 2012 Edition** Article 12.9 special cables and conductors

Characteristics

- Extremely small cable ODs due to special **TPE High Glide Insulation** compliant with UL
- Sub-Jacket for increased flex life in high performance flexing and long cable runs
- Very flexible with superfine stranding
- Specially formulated PVC jacket per UL Class 43
- Non-wicking fillers
- Abrasion, high wear and tear resistance
- Hydrolysis, microbe and decompose resistant
- UV resistant per EN ISO 4892-2-A
- Dry and wet conditions
- Talc and Silicone free

Technical Data

Voltage	600V UL AWM
Test voltage	3000V
Insulation resistance	Min 100MΩ x km
Temperature	Moving -5°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
Burning behavior	Flame retardant per UL VW-1, DIN EN 60332-1-2 FT1
Oil resistance	4D100C, UL Oil res 80°C and DIN EN 60811-404
Approvals	cUL AWM Style 2570 CE 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
- G: with GNYE ground conductor
x: without ground conductor
- Optimized construction for flexing applications
- Conductors cabled with fleece wrap
- PVC Sub-Jacket
- Tinned copper braid shield
- Special high strength PVC Jacket per UL class 43 / VDE 0207 TM5, oil resistant
- Gray jacket similar to RAL 7001

Specifications are subject to change without prior notice

Part No.	Description No. of conductors incl. ground	OD / Ø ca. mm	OD / Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 21 / 0.5 mm²					
A1392003	(3G0.5)	7.4	0.292	54	21
A1392004	(4G0.5)	7.8	0.307	60	25
A1392005	(5G0.5)	8.5	0.333	71	29
A1392007	(7G0.5)	9.7	0.382	94	43
A1392012	(12G0.5)	11.3	0.444	129	64
A1392018	(18G0.5)	13.1	0.516	176	93
A1392025	(25G0.5)	15.1	0.593	202	119
AWG 18 / 1.0 mm²					
A1391803	(3G1.0)	8.2	0.323	71	32
A1391804	(4G1.0)	8.8	0.347	83	40
A1391805	(5G1.0)	9.6	0.378	103	54
A1391807	(7G1.0)	11	0.431	133	70
A1391812	(12G1.0)	13	0.512	189	110
A1391818	(18G1.0)	14.9	0.587	260	161
A1391825	(25G1.0)	17.6	0.691	318	224
A1391834	(34G1.0)	19.4	0.765	399	291
AWG 16 / 1.5 mm²					
A1391603	(3G1.5)	8.8	0.346	88	44
A1391604	(4G1.5)	9.6	0.378	109	60
A1391605	(5G1.5)	10.4	0.411	128	72
A1391607	(7G1.5)	11.9	0.469	165	95
A1391612	(12G1.5)	14.1	0.556	239	151
A1391618	(18G1.5)	16.2	0.638	336	224
A1391625	(25G1.5)	19.4	0.764	431	312
AWG 14 / 2.5 mm²					
A1391404	(4G2.5)	11	0.433	155	90
A1391405	(5G2.5)	11.9	0.469	179	109
A1391407	(7G2.5)	13.6	0.537	216	143
AWG 12 / 4 mm²					
A1391204	(4G4)	12.6	0.496	214	135
A1391207	(7G4)	15.9	0.626	312	222