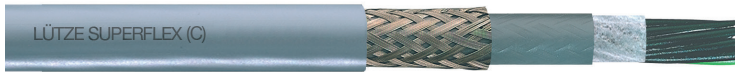


Lutze Superflex® N (C) PVC, Shielded

High Flexing Control Cable with UL/CSA/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

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
- Low capacitance
- 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
- Talc free
- Silicone free
- Dry and wet conditions

Technical Data

Voltage	600V UL AWM
Test voltage	3000 V
Insulation resistance	Min 100 MΩ x km
Temperature	Moving -5 - +90°C Fixed -40 - +90°C
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 50265-2-1 FT1
Oil resistance	4D100C, UL Oil res 80°C and DIN EN 60811-2-1
Approvals	cUL AWM Styles 10429/2570 CSA AWM I/II A/B 80C 600V FT1, CE

Construction

- Bare copper super finely stranded per DIN VDE 0295 Class 6 or IEC 60228 Class 6
- HGI insulation based on TPE
- 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 RAL 7001

Part No.	Description No. of conductors incl. ground	OD - Ø ca. mm	OD - Ø inches	Weight Lbs/Mft	Copper Lbs/Mft
AWG 20 / 0.5 mm²					
A1392003	3	7.4	0.292	54	21
A1392004	4	7.8	0.307	60	25
A1392005	5	8.5	0.333	71	29
A1392007	7	9.7	0.382	94	43
A1392012	12	11.3	0.444	129	64
A1392018	18	13.1	0.516	176	93
A1392025	25	15.1	0.593	202	119
AWG 18 / 1.0 mm²					
A1391803	3	8.2	0.323	71	32
A1391804	4	8.8	0.347	83	40
A1391805	5	9.6	0.378	103	54
A1391807	7	11	0.431	133	70
A1391812	12	13	0.512	189	110
A1391818	18	14.9	0.587	260	161
A1391825	25	17.6	0.691	318	224
A1391834	34	19.4	0.765	399	291
AWG 16 / 1.5 mm²					
A1391603	3	8.8	0.346	88	44
A1391604	4	9.6	0.378	109	60
A1391605	5	10.4	0.411	128	72
A1391607	7	11.9	0.469	165	95
A1391612	12	14.1	0.556	239	151
A1391618	18	16.2	0.638	336	224
A1391625	25	19.4	0.764	431	312
AWG 14 / 2.5 mm²					
A1391404	4	11	0.433	155	90
A1391405	5	11.9	0.469	179	109
A1391407	7	13.6	0.537	216	143
AWG 12 / 4 mm²					
A1391204	4	12.6	0.496	214	135
A1391207	7	15.9	0.625	311	222

High performance linear flexing cable, compliant with **NFPA 79, 2012 Edition Article 12.9** Special cables and Conductors.

Specifications are subject to change without prior notice