


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® CHAIN 809 SC	07.11.2014

PVC-insulated, PVC sheath, single core, approved
Multi-standard approval reduces part varieties and saves costs
Easy to install
Multifunctional application possibilities
Also suitable for mobile outdoor use




Info
Basic Line for light & ordinary duty in power chain applications

Application range
In power chains or moving machine parts
For internal wiring of electric and electronic equipment in switch cabinets
This cable can substitute multi-core shielded servo drive cables where space requirements or minimum bending radii cause problems
Specially designed for power circuits of servomotors driven by frequency converters
Test systems in the automotive industry, vehicles and stationary fuel cell systems

Product Make-up
Fine-wire strand made of bare copper wires
Core insulation: PVC
PVC outer sheath, black (RAL 9005)

Norm references / Approvals
cRU AWM II A/B FT1
UL-AWM-Style 10107
Based on VDE 0250 / 0285
For use in power chains: Please comply with the assembly guidelines listed in Appendix T3
UL File No. E63634

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Product features

Low-adhesive surface
 Flame retardancy:
 UL/CSA: VW-1, FT1
 IEC/EN: 60332-1-2
 Oil-resistant according to DIN EN 50290-2-22 (TM54)
 Designed for 2 million alternating bending cycles and travel distances up to 10 meter

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges. Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils). Photographs are not to scale and do not represent detailed images of the respective products.

Technical Data

Core identification code:	Black or green-yellow, other colours available on request
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Torsion movement in WTG:	TW-0 & TW-1, refer to Appendix T0
Minimum bending radius:	Flexing: 10 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	IEC: 600/1000 V UL & CSA: 600 V
Test voltage:	4000 V
Protective conductor:	G = with PE conductor X = without PE jacket
Temperature range:	Flexing: 0°C to +70°C (UL: +90°C) Fixed installation: -40°C to +70°C (UL: +90°C)

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Part number	Conductor cross-section (mm²)	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
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1062900	6	7.4	green-yellow	57.6	101
1062901	6	7.4	black	57.6	101
1062902	10	9.0	green-yellow	96.0	158
1062903	10	9.0	black	96.0	158
1062904	16	9.9	green-yellow	153.6	217
1062905	16	9.9	black	153.6	217
1062906	25	11.3	green-yellow	240.0	307
1062907	25	11.3	black	240.0	307
1062908	35	13.1	green-yellow	336.0	427
1062909	35	13.1	black	336.0	427
1062910	50	15.9	green-yellow	480.0	611
1062911	50	15.9	black	480.0	611
1062912	70	17.6	green-yellow	672.0	778
1062913	70	17.6	black	672.0	778
1062914	95	19.8	green-yellow	912.0	1015
1062915	95	19.8	black	912.0	1015
1062916	120	23.0	green-yellow	1152.0	1296
1062917	120	23.0	black	1152.0	1296
1062918	150	24.8	green-yellow	1440.0	1597
1062919	150	24.8	black	1440.0	1597
1062920	185	27.1	green-yellow	1776.0	1971
1062921	185	27.1	black	1776.0	1971
1062922	240	30.6	green-yellow	2304.0	2419
1062923	240	30.6	black	2304.0	2419