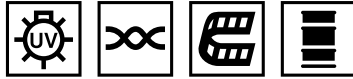


**Power chain applications**

Various applications, approved



**New**

**ÖLFLEX® CHAIN 809 SC**

PVC-insulated, PVC sheath, single core, approved



Info

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

**Benefits**

- Multi-standard = fewer part varieties = cost savings
- Easy to install
- Multifunctional application possibilities
- Also suitable for mobile outdoor use

**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 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 1...2 million bending/unbending cycles in the power chain

**Norm references / Approvals**

- cRU AWM II A/B FT1 UL-AWM-Style 10107
- Based on VDE 0250 / 0285
- For travel distances up to 10 m.
- For use in power chains: Please comply with the assembly guidelines listed in Appendix T3
- UL File Nr. E63634

**Product make-up**

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

**Technical data**

- Core identification code**  
Black or green-yellow, other colours available on request
- Specific insulation resistance**  
> 20 GOhm x cm
- 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)

Article number	Conductor cross-section (mm <sup>2</sup> )	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® CHAIN 809 SC</b>					
1062900	6.0	7.4	green-yellow	57.6	101
1062901	6.0	7.4	black	57.6	101
1062902	10.0	9.0	green-yellow	96.0	158
1062903	10.0	9.0	black	96.0	158
1062904	16.0	9.9	green-yellow	153.6	217
1062905	16.0	9.9	black	153.6	217
1062906	25.0	11.3	green-yellow	240.0	307
1062907	25.0	11.3	black	240.0	307
1062908	35.0	13.1	green-yellow	336.0	427
1062909	35.0	13.1	black	336.0	427
1062910	50.0	15.9	green-yellow	480.0	611
1062911	50.0	15.9	black	480.0	611
1062912	70.0	17.6	green-yellow	672.0	778
1062913	70.0	17.6	black	672.0	778
1062914	95.0	19.8	green-yellow	912.0	1015
1062915	95.0	19.8	black	912.0	1015
1062916	120.0	23.0	green-yellow	1,152.0	1296
1062917	120.0	23.0	black	1,152.0	1296
1062918	150.0	24.8	green-yellow	1,440.0	1597
1062919	150.0	24.8	black	1,440.0	1597

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
Copper price basis: EUR 150/100kg. 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](http://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.

**Similar products**

- ÖLFLEX® FD 90 refer to page 110

**Accessories**

- SILVYN® CHAIN cable protection and guiding systems