ÖLFLEX® CHAIN 809 SC CY

Highly flexible, screened single core cable with PVC insulation and PVC sheath - certified for North America

ÖLFLEX® CHAIN 809 SC CY - Screened single core power cable for versatile use in power chains with UL/cUL AWM certification

Info

Basic Line Performance - Moderate travel lengths or acceleration
AWM certification for USA and Canada
EMC compliant copper screening

Oil-resistant

Power chain

Interference signals

Torsion-resistant

UV-resistant

Benefits

Multi-standard certification reduces part varieties and saves costs
Multifunctional application possibilities
Under consideration of the temperature range also suitable for flexible outdoor use
Copper braiding screens the cable against
electromagnetic interference
Certified for the USA and Canada for export-oriented machine, appliance and apparatus manufacturers

Application range

Last Update (24.04.2024)

Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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

Product features

Flammability:
UL/CSA: VW-1, FT1
IEC/EN: 60332-1-2
Oil-resistant according to DIN EN 50290-2-22 (TM54)
Low-adhesive surface
EMC-compliant

Norm references / Approvals

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

Product Make-up

Fine-wire, bare copper conductor
Core insulation: PVC
Non-woven wrapping
Tinned-copper braiding
Non-woven wrapping
PVC outer sheath, black (similar RAL 9005)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000057 ETIM 6.0 Class-Description: Low voltage power cable
Core identification code:	Black, other colours are available upon request
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius:	Flexing: up from 10 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	IEC: U_0/U 600/1000 V UL & CSA: 600 V
Test voltage:	4000 V
Temperature range:	Flexing: 0 °C to +70 °C (UL: +90 °C) Fixed installation: -40 °C to +80 °C (UL: +90 °C)
Bending cycles & operation parameters:	See Selection Table A2-1 in the appendix of our online catalogue

Note

Unless specified otherwise, the shown product values are nominal values at room temperature. Detailed values (e.g. tolerances) are available upon request.

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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 and graphics are not to scale and do not represent detailed images of the respective products.
Prices are net prices without VAT and surcharges. Sale to business customers only.

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PRODUCT INFORMATION

Article number	Conductor cross-section (mm^2)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
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1062940	6	8.1	76	126
1062941	10	9.7	122	190
1062942	16	10.6	180	250
1062943	25	12	268	351
1062944	35	14.8	392	519
1062945	50	16.8	544	686
1062946	70	18.5	766	885
1062947	95	20.9	1020	1135
1062948	120	24.1	1272	1443
1062949	150	26.1	1593	1788
1062950	185	28.4	1941	2177
1062951	240	31.9	2518	2671
1062952	300	33.5	3116	3299

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