ÖLFLEX® CHAIN 819 CP

Highly flexible, screened control cable with PVC core insulation and robust, oil resistant outer sheath - certified

ÖLFLEX® CHAIN 819 CP - highly flexible, screened control cable with PVC core insulation and robust, oil-resistant outer sheath of PU-special blend

Info

Basic Line Performance - Moderate travel lengths or acceleration
Good oil resistance
UL/cUL certified for North America

Mechanical resistance

Oil-resistant

Power chain

Interference signals

UV-resistant

Benefits

Good combination of quality and price
Durable thanks to robust sheath material
Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
Multi-standard certification reduces part varieties and saves costs
Certified for the USA and Canada for export-oriented machine, appliance and apparatus manufacturers
Copper braiding screens the cable against
electromagnetic interference

Last Update (23.02.2024)

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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Application range

In power chains or moving machine parts
In EMC-sensitive environments
Very suitable for oily wet areas within machinery and production lines
Assembly lines, production lines, in all kinds of machines
Suitable for use in measuring, control and regulating circuits
Indoor applications or dry rooms

Product features

High oil-resistance
Flammability:
IEC/EN: 60332-1-2
UL/CSA: Horizontal Flame, FT2
Mechanically robust
Low-adhesive surface
EMC-compliant

Norm references / Approvals

USA: UL AWM Style 21576
Canada: cUL AWM Style I/II A FT2
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
Cores twisted in layers
Non-woven wrapping
Tinned-copper braiding
Outer sheath of Lapp-PU-Special Blend, black (similar RAL 9005)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	Black with white numbers acc. to VDE 0293-334
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 U0/U: 300/500 V UL: 1000 V
Test voltage:	Core/core: 4000 V Core/screen: 2000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Flexing: -5 °C to +70 °C (UL: +80 °C) Fixed installation: -40 °C to +70 °C (UL: +80 °C)
Bending cycles & operation parameters:	See Selection Table A2-1 in the appendix of our online catalogue

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Note

Unless specified otherwise, the shown product values are nominal values at room temperature. 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 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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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1027900	2 X 0.5	5.8	22.5	42.9
1027904	7 G 0.5	8.5	55.8	101
1027905	12 G 0.5	10	83.1	144.5
1027906	18 G 0.5	11.8	120	207.1
1027911	3 G 0.75	6.6	37.5	63.4
1027913	5 G 0.75	7.7	55.2	90.4
1027914	7 G 0.75	9.1	75.9	126.1
1027920	2 X 1.0	6.5	35.3	58.5
1027922	4 G 1.0	7.5	57.7	89.4
1027926	18 G 1.0	14	224.1	331.3
1027931	3 G 1.5	7.5	62.5	92.6
1027932	4 G 1.5	8.4	80	118.9
1027950	4 G 4.0	11.9	187	256.1

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