

ÖLFLEX® CHAIN 896 P

Highly flexible, halogen-free power cable with low capacitive insulation and oil resistant PUR sheath - certified

ÖLFLEX® CHAIN 896 P - Power cable for use in drag chains in harsh environmental conditions with UL/CSA AWM certification

Info

Extended Line Performance - Long travel lengths or high acceleration

High oil resistance

Rated voltage 0,6/1 kV



Suitable for outdoor use



Halogen-free



Cold-resistant



Mechanical resistance



Oil-resistant



Power chain



UV-resistant

Benefits

Allows much faster speed and accelerations which increases the economic efficiency of the machines

Multi-standard certification reduces part varieties and saves costs

Increased durability under harsh conditions thanks to robust PUR outer sheath

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You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

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Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
Longer cable installation lengths thanks to low mutual capacitance cable design
Wide temperature range for applications in harsh climatic environments

Application range

In power chains or moving machine parts
Applications in automation engineering
Power circuits in industrial machines
For use in assembling & pick-and-place machinery
Particularly in wet areas of machine tools and transfer lines
For indoor and outdoor use

Product features

Flammability:
UL/CSA: VW-1, FT1
IEC/EN: 60332-1-2
Halogen-free materials
Resistant to oil and drilling fluids according to IEC 61892-4, Appendix D
Low-capacitance design
Flexible down to -40 °C

Norm references / Approvals

VDE - reg - no. 8661
UL AWM Style 20234
cULus AWM I/II A/B, 1000V 80° FT1
CSA AWM I/II A, 1000V 80° FT1
UL File No. E63634
For use in power chains: Please comply with assembly guideline Appendix T3

Product Make-up

Extra-fine wire strand made of bare copper wires (class 6)
Core insulation: polypropylene (PP)
Non-woven wrapping
PUR outer sheath, black (similar RAL 9005)

Technical Data

| | |
|--|--|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable |
| Core identification code: | Black with white numbers acc. to VDE 0293-334 |
| Conductor stranding: | Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6 |
| Minimum bending radius: | Flexing: up from 7.5 x outer diameter (up to 16mm ²) up from 10 x outer diameter (from 25mm ²) Fixed installation: 4 x outer diameter |
| Nominal voltage: | IEC U0/U: 600/1000 V UL & CSA: 1000 V |
| Bending cycles & operation parameters: | See Selection Table A2-1 in the appendix of our online catalogue |

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| | |
|-----------------------|---|
| Test voltage: | 4000 V |
| Protective conductor: | G = with GN-YE protective conductor X = without protective conductor |
| Temperature range: | Flexing: -40 °C to +90 °C (UL/CSA: +80 °C) Fixed installation: -50 °C to +90 °C (UL/CSA: +80 °C) |

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

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 mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---------------------|---|---------------------|----------------------|----------------|
| ÖLFLEX® CHAIN 896 P | | | | |
| 1023229 | 4 G 1.5 | 9.6 | 58 | 120 |
| 1023230 | 5 G 1.5 | 10 | 72 | 143 |
| 1023238 | 4 G 2.5 | 11 | 96 | 174 |
| 1023239 | 5 G 2.5 | 12 | 120 | 210 |
| 1023245 | 4 G 4.0 | 12.5 | 154 | 242 |
| 1023246 | 5 G 4.0 | 13.7 | 192 | 316 |
| 1023248 | 4 G 6.0 | 14.3 | 231 | 335 |
| 1023249 | 5 G 6.0 | 15.7 | 288 | 439 |
| 1023250 | 4 G 10.0 | 17 | 384 | 503 |
| 1023251 | 5 G 10.0 | 18.9 | 480 | 663 |
| 1023252 | 4 G 16.0 | 21.2 | 615 | 810 |
| 1023253 | 5 G 16.0 | 23.8 | 768 | 1065 |
| 1023254 | 4 G 25.0 | 25.9 | 960 | 1254 |
| 1023255 | 5 G 25.0 | 29 | 1200 | 1582 |

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