

ÖLFLEX® CHAIN 90 P

Highly flexible single core cable with abrasion and oil resistant PUR sheath - certified for North America

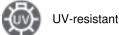
ÖLFLEX® CHAIN 90 P - oil-resistant power cable for harsh conditions in power chains with UL/cUL AWM certification.

Info

Extended line for high loads in power chains All-rounder for indoor and outdoor use Improved characteristics in the event of a fire

LAPP KABEL STUTTGART ÖLFLEX* CHAIN 90 P (







Power chain



Oil-resistant



Mechanical resistance



Halogen-free



Suitable for outdoor use



Flame-retardant



Cold-resistant



ÖLFLEX® CHAIN 90 P

Benefits

Allows much faster motion sequences which increases the economic efficiency of machines

Multi-standard certification reduces part varieties and saves costs

Durable under harsh conditions thanks to robust PUR sheath material

Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media

Wide temperature range for applications in harsh climatic environments

Longer installation lengths thanks to low capacitance cable design

Application range

In power chains or mobile machine parts

For internal wiring of electric and electronic components in switch cabinets

Where using multi-core connection cables may be problematic due to space requirements or minimum bending radii

Specially designed for power circuits of servomotors driven by frequency converters

Test systems in the automotive industry, vehicles and stationary fuel cell systems

For indoor and outdoor use

Product features

Designed for 10 million alternating bending cycles and horizontal travel distances up to 100 metres Fire behaviour:

- Halogen-free according to VDE 0472-815
- Flame retardant according to IEC

60332-1-2 or UL/cUL VW-1, FT1

- No flame propagation according to

IEC 60332-3-24 Cat. C or /-25 Cat. D

Good weather, UV and oil resistance

Abrasion-resistant and notch-resistant

Flexible at cold temperatures

Low-capacitance design

Norm references / approvals

USA: UL AWM Style 11624, VW-1 Canada: cUL AWM I/II A, FT1

UL File No. E63634

For use in power chains: Please comply with assembly guideline appendix T3

Design

Extra-fine wire strand made of bare copper wires (class 6) Core insulation made of TPE compound Polyurethane sheath, black (RAL 9005)





ÖLFLEX® CHAIN 90 P

Technical Data

Classification: ETIM 5.0 Class-ID: EC000057

ETIM 5.0 Class-Description: Power cable

Core identification code: Black or green-yellow, other colours available on request

Conductor design: Extra-fine wire according to VDE 0295, class 6/IEC 60228 class

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Torsion application in WTG: TW-0 & TW-2, refer to appendix T0

Minimum bending radius: Flexing: 7.5 x outer diameter

Fixed installation: 3 x outer diameter

Nominal voltage: IEC: U_0/U 600/1000 V

UL & CSA: 1000 V

Test voltage: 4000 V

Protective conductor: G = with GN-YE protective conductor

X = without protective conductor

Temperature range: Flexing: -35°C to +80°C

Fixed installation: -50°C to +80°C

Alternating bending cycles: 10 million cycles

Note

Unless specified otherwise, the shown product values are nominal values at room temperature. You can receive further values, such as tolerances, upon request if they available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

Photographs 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	Conductor cross-section (mm²)	Outer diameter [mm]	Core colour	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CHAIN 90 P					
1026513	1.5	6.3	green-yellow	14.4	48
1026514	1.5	6.3	black	14.4	48
1026515	2.5	6.9	green-yellow	24	63
1026516	2.5	6.9	black	24	63
1026517	4	7.2	green-yellow	38.4	77
1026518	4	7.2	black	38.4	77
1026519	6	7.7	green-yellow	57.6	95
1026520	6	7.7	black	57.6	95
1026521	10	9.1	green-yellow	96	145
1026522	10	9.1	black	96	145
1026523	16	10.6	green-yellow	153.6	205
1026524	16	10.6	black	153.6	205
1026525	25	12.3	green-yellow	240	290
1026526	25	12.3	black	240	290
1026527	35	13.3	green-yellow	336	413
1026528	35	13.3	black	336	413
1026529	50	15.9	green-yellow	480	535
1026530	50	15.9	black	480	535
1026531	70	18	green-yellow	672	776
1026532	70	18	black	672	776
1026533	95	19.9	green-yellow	912	998
1026534	95	19.9	black	912	998
1026535	120	22.5	green-yellow	1152	1249
1026536	120	22.5	black	1152	1249
1026537	150	24.6	green-yellow	1440	1486
1026538	150	24.6	black	1440	1486
1026539	185	27.2	green-yellow	1776	1788
1026540	185	27.2	black	1776	1788
1026541	240	32.1	green-yellow	2304	2381
1026542	240	32.1	black	2304	2381
1026543	300	34	green-yellow	2880	2964

black

Last Update (06.05.2017)

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Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
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