ÖLFLEX® FD 90

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

ÖLFLEX® FD 90 - Single core power cable for versatile use in power chains with UL/CSA AWM certification.

Info

Core Line Performance - Medium to increased travel lengths or acceleration
Well-proven and reliable
AWM certification for USA and Canada

UV-resistant

Power chain

Oil-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
Also suitable for fixed installation where space is limited
Certified for the USA and Canada for export-oriented machine, appliance and apparatus manufacturers

Application range

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 multi-core power cables where space requirements or minimum bending radii cause problems
Test systems in the automotive industry, vehicles and stationary fuel cell systems

Last Update (28.05.2018)
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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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ÖLFLEX® FD 90

Product features
Flame-retardant according to IEC 60332-1-2 & CSA FT1
High oil-resistance
Low-adhesive surface

Norm references / Approvals
Based on VDE 0250 / 0285
UL-AWM-Style 10107, cRU AWM II A/B FT1 ≥150mm²
CSA AWM IA/B IIA/B FT 1 ≤ 120 mm²
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)
Non-woven wrapping
Core insulation: PVC
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 or green-yellow, other colours available on request
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 Fixed installation: 3 x outer diameter
Nominal voltage:	IEC: U_0/U 600/1000 V UL & CSA: 600 V
Test voltage:	4000 V
Temperature range:	Flexing: -5°C to +70°C (UL: +90°C) Fixed installation: -40°C to +70°C (UL: +90°C)
Bending cycles &amp 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.
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	Conductor cross-section (mm²)	Outer diameter [mm]	Core colour	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® FD 90					
0026600	10	9	green-yellow	96	176
0026601	10	9	black	96	176
0026603	16	10.5	green-yellow	153.6	240
0026604	16	10.5	black	153.6	240
0026607	25	11.8	green-yellow	240	361
0026608	25	11.8	black	240	361
0026610	35	14.2	green-yellow	336	482
0026611	35	14.2	black	336	482
0026613	50	16.2	green-yellow	480	660
0026614	50	16.2	black	480	660
0026616	70	18.3	green-yellow	672	898
0026617	70	18.3	black	672	898
0026619	95	19.8	green-yellow	912	1179
0026620	95	19.8	black	912	1179
0026622	120	23.4	green-yellow	1152	1521
0026623	120	23.4	black	1152	1521
0026625	150	25.1	green-yellow	1440	1739
0026626	150	25.1	black	1440	1739
0026628	185	28.1	green-yellow	1776	2305
0026629	185	28.1	black	1776	2305
0026634	240	31.6	green-yellow	2304	2944
0026635	240	31.6	black	2304	2944
0026640	300	33.5	green-yellow	2880	3545
0026641	300	33.5	black	2880	3545

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