

ÖLFLEX® FD 90 CY

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

ÖLFLEX® FD 90 CY - Screened single core power cable for versatile use in power chains with UL/CSA AWM certification

Info

Core Line for ordinary duty in power chain applications

AWM certification for USA and Canada

EMC compliant copper screening



Interference signals



Power chain



Oil-resistant

Benefits

Multi-standard certification reduces part varieties and saves costs

For various applications

Also suitable for fixed installation where space is limited

Copper screening complies with EMC requirements and protects against electromagnetic interference

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 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

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Product features

Designed for 5 million alternating bending cycles and travel distances up to 10 meter
Flame-retardant according to IEC 60332-1-2 & CSA FT1
High oil-resistance
Low-adhesive surface
EMC-compliant

Norm references / Approvals

Based on VDE 0250 / 0285
UL-AWM-Style 10107, cRU AWM II A/B FT1 $\geq 150\text{mm}^2$
CSA AWM IA/B IIA/B FT 1 $\leq 120\text{mm}^2$
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
Tinned-copper braiding
PVC outer sheath, orange (RAL 2003)

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
Core identification code:	Black, other colours are available upon request
Conductor stranding:	Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6
Minimum bending radius:	For flexible use: 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
Protective conductor:	X = without protective conductor
Temperature range:	Flexing: -5°C to $+90^\circ\text{C}$ (UL/CSA) Fixed installation: -40°C to $+90^\circ\text{C}$ (UL/CSA)

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 $\leq 30\text{ kg}$ or $\leq 250\text{ m}$, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
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Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Conductor cross-section (mm ²)	Outer diameter [mm]	Core colour	Copper index (kg/km)	Weight (kg/km)
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0026651	10	9.7	black	127.6	227
0026653	16	11.2	black	186.2	297
0026655	25	12.5	black	257.8	410
0026657	35	15.1	black	400.7	607
0026659	50	17.1	black	554.8	808
0026661	70	19.4	black	775.6	1081
0026663	95	20.9	black	1,028.1	1382
0026665	120	24.5	black	1,282.4	1752
0026667	150	26.2	black	1578	1924
0026669	185	29.2	black	1935	2611
0026671	240	32.9	black	2526	3372
0026673	300	34.8	black	3,128.8	4105

Last Update (14.07.2017)

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Product Management www.lappkabel.deYou can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03_16