

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® FD 90 CY	07.11.2014

Screened single core, PVC-insulated, PVC sheath, approved
Multi-standard approval reduces part varieties and saves costs
Easy to install
For various applications



Oil-resistant



Power chain



Interference signals

Info

Core Line for ordinary duty in power chain applications
EMC-compliant

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 shielded servo drive cables where space requirements or minimum bending radii cause problems
Test systems in the automotive industry, vehicles and stationary fuel cell systems

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)


Norm references / Approvals

UL-AWM-Style 10107, cRU AWM II A/B FT1 $\geq 150\text{mm}^2$
CSA AWM IA/B IIA/B FT 1 $\leq 120\text{mm}^2$
Based on VDE 0250 / 0285
For use in power chains: Please comply with the assembly guidelines listed in Appendix T3

Product features

Low-adhesive surface
Flame-retardant according to IEC 60332-1-2 & CSA FT1
High oil-resistance
Designed for 5 million alternating bending cycles and travel distances up to 10 meter
UL File No. E63634

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Remark

Unless specified otherwise, the shown product values are nominal values. 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). DESINA® is a registered trademark of the German Machine Tool Builders' Association Photographs are not to scale and do not represent detailed images of the respective products.

Technical Data

Core identification code:	Black, other colours are available upon request
Classification:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
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: 600/1000 V UL & CSA: 600 V
Test voltage:	4000 V
Protective conductor:	X = without protective conductor
Temperature range:	Flexing: -5°C to +90°C Fixed installation: -40°C to +90°C

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Part number	Conductor cross-section (mm²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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0026651	10	9.7	127.6	227
0026653	16	11.2	186.2	297
0026655	25	12.5	257.8	410
0026657	35	15.1	400.7	607
0026659	50	17.1	554.8	808
0026661	70	19.4	775.6	1081
0026663	95	20.9	1028.1	1382
0026665	120	24.5	1282.4	1752
0026667	150	26.2	1410.4	1924
0026669	185	29.2	1935.0	2611
0026671	240	32.9	2526.0	3372
0026673	300	34.8	3128.8	4105