


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® FD 891 P</b>	07.11.2014

PVC-insulated, numbered, PUR sheath, approved  
Multi-standard approval reduces part varieties and saves costs  
Protection against water and dirt



Mechanical resistance



Oil-resistant



Power chain



UV-resistant

#### Info

Core Line for ordinary duty in power chain applications

#### Application range

In power chains or moving machine parts  
Plant engineering  
Machine tools

#### Product Make-up

Extra-fine wire strand made of bare copper wires (class 6)  
Core insulation: PVC  
Cores twisted in layers in short lay lengths  
Non-woven wrapping  
PUR outer sheath, black (RAL 9005)


#### Norm references / Approvals

UL rec. AWM Style 20234  
cRU AWM II A/B FT 1  
For use in power chains: Please comply with the assembly guidelines listed in Appendix T3  
UL File No. E63634

#### Product features

Abrasion and cut-resistant  
Oil-resistant  
Low-adhesive surface  
Flame-retardant according to IEC 60332-1-2 & CSA FT1  
Designed for 5 million alternating bending cycles and travel distances up to 10 meter

Product Management	Document: LAPP_PRO102EN.pdf	1 / 3
--------------------	-----------------------------	-------

U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® FD 891 P</b>	07.11.2014

### 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](http://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 with white numbers acc. to VDE 0293-1
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control 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: 4 x outer diameter
Nominal voltage:	IEC: 300/500 V UL/CSA: 600 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Flexing: -5°C to +80°C Fixed installation: -40°C to +80°C

Product Management	Document: LAPP_PRO102EN.pdf	2 / 3
--------------------	-----------------------------	-------

## ÖLFLEX® FD 891 P

07.11.2014

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® FD 891 P				
1028752	2 X 0,5	6.5	9.6	46
1028007	7 G 0,5	9.6	33.6	118
1028103	3 G 0,75	7.3	21.6	66
1028104	4 G 0,75	8.0	28.8	82
1028105	5 G 0,75	8.7	36.0	101
1028107	7 G 0,75	10.7	50.4	142
1028112	12 G 0,75	11.7	86.4	196
1028118	18 G 0,75	13.9	129.6	282
1028125	25 G 0,75	16.6	180.0	404
1028134	34 G 0,75	18.9	244.8	541
1028150	50 G 0,75	22.5	360.0	738
1028303	3 G 1,5	8.4	43.2	98
1028304	4 G 1,5	9.3	57.6	125
1028305	5 G 1,5	10.1	72.0	155
1028307	7 G 1,5	11.9	100.8	221
1028312	12 G 1,5	13.9	172.8	318
1028318	18 G 1,5	16.9	259.2	484
1028325	25 G 1,5	20.1	360.0	671
1028334	34 G 1,5	23.1	489.6	910
1028952	2 X 2,5	8.9	48.0	102
1028403	3 G 2,5	9.3	72.0	134
1028404	4 G 2,5	10.3	96.0	173
1028405	5 G 2,5	11.3	120.0	217
1028407	7 G 2,5	13.4	168.0	312
1028412	12 G 2,5	15.8	288.0	460
1028503	3 G 4	10.9	115.2	197
1028504	4 G 4	12.1	153.6	257
1028507	7 G 4	16.1	268.8	471
1028604	4 G 6	13.7	230.4	363
1028614	4 G 10	17.9	384.0	605
1028624	4 G 16	23.4	614.4	973
1028634	4 G 25	27.6	960.0	1437