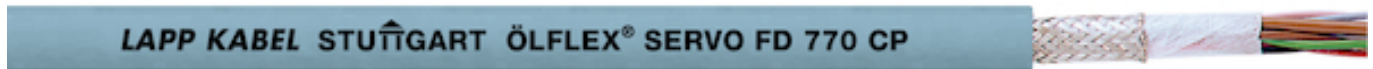


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® SERVO FD 770 CP	12.09.2012

Encoder and resolver cables
Thin, optimised for weight and volume
Total screening prevents/reduces interference from neighbouring cables
Also suitable for mobile outdoor use
Halogen-free



Info

EMC-compliant
Please note: discontinued product! Substitute: New 798 CP
MUD res. according to IEC61892-4 Annex D

Application range

Plant engineering
Particularly in wet areas of machine tools and transfer lines
Assembly lines, production lines, in all kinds of machines

Design

Extra-fine wire strand made of bare copper wires (class 6)
Core insulation: TPE
Cores (or core pairs) twisted in layers or bundles
Non-woven wrapping
Tinned copper screen braiding (*with drain wire)
PUR outer sheath, grey (RAL 7001) or green (RAL 6018)

Approvals (Norm references)

For travel distances up to 100 m (horizontal)
For use in power chains: Please comply with the assembly guidelines listed in Appendix T3


Product features

Designed for 2 up to 8 million bending/unbending cycles in the power chain. Further informations regarding service life see table T0 of the appendix of the Lapp catalogue.
Abrasion and cut-resistant
Oil-resistant
Flame-retardant according to IEC 60332-1-2
Flexible down to -40 °C

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to 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 are not to scale and do not represent detailed images of the respective products.

Product Management	Document: LAPP_PRO72EN.pdf	1 / 3
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Technical Data

Core identification code:	0036 270 pairs: rd/bk, bn/gn, gy/pk, bl/vt single core: wh, bn 0036 280 pairs: wh/bn, gn/ye, gy/pk, bl/rd, bk/vt, gy-pk/rd-bl single core: wh, bn 0036 275 cores 0.14: wh, bn, gn, ye, gy, pk, bl, rd, bk, vt cores 0.5: wh, bn 0036 277 cores 0.14: wh, bn, 0036 641 see 0036 26 0036 278 single cores: cores 0.14 DIN 47100 from grey: 0.5 mm ² : wh, bn, gn, ye 0036 281 pairs: rd/bk, bn/gn, ye/vt, gy/pk single core: wh, bl, whgn, bngn 0036 268 pairs: gn/ye, rd/bl, gy/pk single core: wh, bn 0036 269: 0.14 mm ² ye,
Based on:	Core in accordance with VDE 0812/0281 Outer sheath in accordance with VDE 0250/0282
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6
Minimum bending radius:	For flexible use: 12 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	48 V AC Peak operating voltage: 350 V Upp (not for power applications)
Test voltage:	C/C-C/S 2000 - 1000 V
Temperature range:	Flexing: -40°C to +75°C Fixed installation: -50°C to +80°C

Product Management	Document: LAPP_PRO72EN.pdf	2 / 3
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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0036270	4 x 2 x 0,25 + 2 x 1,0	8.9	72.0	122
0036280	6 x 2 x 0,25 + 2 x 0,5	10.3	87.0	152
0036275	10 x 0,14 + 2 x 0,5	7.7	39.3	82
0036277	10 x 0,14 + 4 x 0,5	8.1	51.1	97
0036278	15 x 0,14 + 4 x 0,5	8.7	59.3	113
0036281	4 x 2 x 0,14 + 4 x 0,5	8.2	48.8	91
0036268	3 x (2 x 0,14) + 2 x (0,5)	8.2	60.0	122
0036269	3 x (2 x 0,14) + (2 x 0,14 + 2 x 0,5) + (4 x 0,22 + 2 x 0,14)	10.0	86.0	111