

U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® SERVO FD 798 CP</b>	12.09.2012

Encoder and resolver cables, DESINA® green

Thin, optimised for weight and volume

Total screening prevents/reduces interference from neighbouring cables

Also suitable for mobile outdoor use

Suitable for use with encoders & resolvers from leading manufacturers

To substitute 4 ÖLFLEX® SERVO FD product lines: -760CP/-760CP DESINA®/-770CP/ -770CP DESINA®



### Info

New high-end version! For very dynamic motion sequences

Multiple certifications

MUD res. according to IEC61892-4 Annex D

### Application range

Connecting cable between servo controller and encoder/resolver

Connecting cable between servo controller and speed generators

In power chains or moving machine parts

Particularly in wet areas of machine tools and transfer lines

Assembly lines, production lines, in all kinds of machines

### Design

Fine-wire or extra-fine wire, tinned-copper conductor

Core insulation: polypropylene (PP)

Cores (or core pairs) twisted in layers or bundles

Refer to data sheet for more details

Non-woven wrapping

PUR outer sheath, green (RAL 6018)

### Approvals (Norm references)

For use in power chains: Please comply with the assembly guidelines listed in Appendix T3

DESINA®-compliant

### Product features

Dynamic performance in power chains: Acceleration up to 50 m/s<sup>2</sup>. Travel speeds up to 5 m/s. Travel distances up to 100 m.

Abrasion and cut-resistant

Halogen-free materials

Flame retardancy: UL/CSA: VW-1, FT1 IEC/EN: 60332-1-2

Oil-resistant

### 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 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.

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## ÖLFLEX® SERVO FD 798 CP

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Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SERVO FD 798 CP				
0036910	4x2x0,34+4x0,5	8.9	79.0	125
0036911	3x(2x0,14)+2x(0,5)	8.9	70.0	120
0036912	3x(2x0,14)+4x0,14+2x0,5	8.8	68.0	110
0036913	3x(2x0,14)+4x0,14+2x0,5+4x0,22	9.4	80.0	130
0036914	9x0,5	8.8	71.0	110
0036915	4x2x0,25+2x1,0	8.8	63.0	109
0036916	6x2x0,25+2x0,5	10.3	67.0	121
0036917	10x0,14+2x0,5	7.7	41.0	82
0036918	10x0,14+4x0,5	8.1	54.0	98
0036920	4x2x0,14+4x0,5	8.2	51.0	95
0036921	4x2x0,25	7.6	38.0	75
0036923	8x2x0,18	7.8	51.0	85
0036924	4x2x0,18	6.4	30.0	52
0036926	12x0,22	6.9	44.0	73
0036927	4x2x0,25+2x0,5	8.5	62.0	98
0036928	2x2x0,14+2x(2x0,14)+4x0,5+(4x0,14)	9.1	79.0	135
0036929	2x(2x0,25)+2x0,5	8.7	46.0	98
0036930	2x2x0,25+2x0,5	7.3	38.0	72
Sample (1m)				
M036911	3x(2x0,14)+2x(0,5)	8.9	70.0	120
M036915	4x2x0,25+2x1,0	8.8	63.0	109