


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® SERVO FD 750 P</b>	<b>12.09.2012</b>

Combined power and control cable for servomotors  
Well-proven, reliable



### Info

For power, brake and overheating monitoring circuits  
Fits servomotors from various manufacturers  
Please note: discontinued product! <Reduced range of sizes>

### Application range

Connecting cable between servo controller and motor  
In power chains or moving machine parts  
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: PVC or TPE (control cores)  
Control core pairs: screened with laminated aluminium film and a layer of tinned-copper wires  
Core and pairs are twisted together  
Non-woven wrapping  
Outer sheath: co-extruded PVC-PUR compound, grey (RAL 7001)

### Approvals (Norm references)

For travel distances up to 10 m.  
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

### 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](http://www.lappkabel.de/en/cable-standardlengths)  
Packaging size: coil  $\leq$  30 kg or  $\leq$  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.

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### Technical Data

Core identification code:	Supply cores: black with white numbers 1-3 according to VDE 0293 and GN/YE protective conductor Control cores: black with white numbers 5-8 (numbering increases in line with cross-section)
Based on:	0.34 mm <sup>2</sup> pairs: WH/BR/GN/YE VDE 0250/0281/0282
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6* *) from 0.5 mm <sup>2</sup>
Minimum bending radius:	For flexible use: 12 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	Power core: 600/1000 V Control cores: 250 V AC
Test voltage:	Power cores: 4000 V Control cores: C/C: 1500 V, C/S: 750 V
Protective conductor:	G = with gn-ye protective conductor
Temperature range:	Flexing: -10°C to +70°C Fixed installation: -40°C to +70°C

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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)
0036240	4 G 0,75 + 2 x (2 x 0,34 Std)	9.6	54.0	106
0036245	4 G 1,5 + 2 x (2 x 0,75 Std)	11.8	100.6	185
0036250	4 G 2,5 + 2 x (2 x 0,75 Std)	14.8	140.7	308
0036251	4 G 4 + (2 x 0,75 Std) + (2 x 1,0 Std)	16.4	216.4	420
0036252	4 G 6 + (2 x 0,75 Std) + (2 x 1,0 Std)	18.8	293.2	550
0036253	4 G 10 + (2 x 0,75 Std) + (2 x 1,0 Std)	22.9	446.0	804