


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® SERVO 700 CY</b>	<b>12.09.2012</b>

Combined power and control cable for motors with variable frequency drives, screened, PVC outer sheath  
 One common cable for multiple circuits  
 Total screening prevents/reduces interference from neighbouring cables



### Info

Combi motor cable for circuits such as:  
 Power, brake, temperature  
 EMC-compliant

### Application range

Connecting cable between Frequency converter and motor  
 Connecting cable between servo controller and motor

### Design

Fine-wire strand made of bare copper wires  
 Core insulation: PVC  
 Control pairs 0.34 mm<sup>2</sup>, colour-coded, from 0.5 mm<sup>2</sup> black with consecutive imprinted numbering  
 Control pair with laminated aluminium film and tinned-copper wire screening  
 The model with one control pair does not have laminated aluminium foil (FDF).  
 Tinned-copper braiding  
 PVC outer sheath, grey (RAL 7001)


### Product features

Fixed installation  
 Occasional flexing  
 In dry, damp or wet interiors  
 Only for outdoor use within the indicated operating temperature range, with UV-protection  
 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 ≤ 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_PRO60EN.pdf	1 / 3
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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 Core: VDE 0812/0250/0281 Outer sheath in accordance with VDE 0281/0250
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius:	Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	Supply cores: 600/1000 V Control core pairs: 250 V/AC
Test voltage:	Supply cores: C/C C/S: 4000 V Control cores: C/C: 1500 V, C/S: 750 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_PRO60EN.pdf	2 / 3
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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)
0036156	4 G 0,75+2 x (2 x 0,34)	10,5	111.1	165
0036157	4 G 1,5+2 x (2 x 0,75)	12,7	147.5	245
0036158	4 G 2,5+(2 x 2 x 0,75)	14,9	226.1	385
0036159	4 G 4 + (2 x 0,75 + 2 x 1,0)	16,6	303.6	482
0036161	4 G 6 + (2 x 0,75 + 2 x 1,0)	17,7	379.4	609
0036162	4 G 10 + (2 x 0,75 + 2 x 1,0)	21,6	591.7	828
0036163	4 G 16 + (2 x 2 x 1,0)	24,5	861.3	1150
0036164	4 G 25 + (2 x 2 x 1,5)	30,1	1261.8	1671