


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® SERVO 700 CY	12.09.2012

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 mm², colour-coded, from 0.5 mm² 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

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 ² 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 ² 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