Servo cable
One common cable for multiple circuits

Info
Servo drives
Power, brake, temperature

Application range
Connecting cable between Frequency converter and motor
Connecting cable between servo controller and motor
Plant engineering

Product Make-up
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).
PVC outer sheath, grey (RAL 7001)

Norm references / Approvals
Core based on VDE 0812/0250/0285
Outer sheath based on VDE 0245/0285

Product features
Fixed installation
Occasional flexing
In dry, damp or wet interiors with normal mechanical stress conditions
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 150/100 kg. 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-standardlengthsPackaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drumPlease 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 0293-1 and GN/YE protective conductor 0036 001: coloured according to VDE 0293-1 Control cores: black with white numbers 5-8 (numbering increases in line with cross-section) 0.34 mm² pairs: WH/BR/GN/YE
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
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 2000V Control cores: C/C: 1500 V, C/S: 750 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -5°C to +80°C Fixed installation: -40°C to +80°C

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Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SERVO 700				
0036140	4 G 0,75 + 2 x (2 x 0,34)	9,5	91.9	120
0036145	4 G 1,5 + 2 x (2 x 0,75)	12,1	100.6	185
0036150	4 G 2,5 + (2 x 2 x 0,75)	13,9	142.1	327
0036151	4 G 4 + (2 x 0,75 + 2 x 1,0)	15,8	217.8	423
0036152	4 G 6 + (2 x 0,75 + 2 x 1,0)	16,7	294.6	544
0036154	4 G 16 + (2 x 2 x 1,0)	23,5	668.8	1168
0036025	4 G 1,5 + (2 x 0,75)	11,7	98.0	149
0036001	5 G 1,5 + (2 x 0,75)	12,7	110.0	160
0036015	7 G 1,5 + (2 x 0,75)	12,4	144.8	210
0036026	4 G 2,5 + (2 x 0,75)	13,1	138.6	227
0036020	7 G 2,5 + (2 x 0,75)	15,2	215.7	334

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