



ÖLFLEX® SERVO 700

Servo cable with shielded control pairs and PVC outer sheath for static use

LAPP KABEL STUÏGART ÖLFLEX® SERVO 700 CE



Info

- Power, brake, temperature
- Fits to servo drive systems from various manufacturers
- Without overall screening

Benefits

- One common cable for multiple circuits

Application range

- Connecting cable between servo controller and motor
- For static and occasionally flexible use
- Industrial machinery and plant engineering
- Only for outdoor use within the indicated operating temperature range, with UV-protection
- In dry, damp or wet interiors with normal mechanical stress conditions

Product features

- Flame retardant acc. to IEC 60332-1-2

Norm references / Approvals

- Core based on VDE 0812/0250/0285
- Outer sheath based on VDE 0245/0285

Product Make-up

- Fine-wire, bare copper conductor
- 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).
- Core and pairs are twisted together
- PVC outer sheath, grey (RAL 7001)

Technical data



Classification

ETIM 5.0 Class-ID: EC000104
ETIM 5.0 Class-Description:
Control cable



Core identification code

Versions with 2 pairs or 1 star quad:
Power cores: black with white numbers 1-3 and GN/YE protective conductor;
Control cores: black with white numbers 5-8 (numbering increases in line with cross-section); 0.34 mm² pairs: WH/BR/GN/YE
Versions with 1 control pair:
Power cores: (4+7 cored): black with white numbers 3-5 or 3-8 and GN/YE protective conductor;
Power cores (5 cored): coloured according to VDE 0293-1
Control cores: black with white numbers 1-2



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

Power cores: U₀/U 600/1000 V
Control core pairs: 250 V/AC



Test voltage

Power cores:
C/C: 4000 V; C/S: 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

Accessories

- EPIC® POWER LS1
- SKINTOP® ST-M refer to page 712

Article number	Number of cores and mm ² 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	149
0036001	5 G 1,5 + (2 x 0,75)	12.7	110	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

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-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.