



ÖLFLEX® SERVO 700
Servo cable

LAPP KABEL STUÏGART ÖLFLEX® SERVO 700 CE



Info

- Servo drives
- Power, brake, temperature

- **Benefits**
 - One common cable for multiple circuits
- **Application range**
 - Connecting cable between Frequency converter and motor
 - Connecting cable between servo controller and motor
 - Plant engineering
- **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

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

- **Technical data**
 - Classification**
ETIM 5.0 Class-ID: EC000104
ETIM 5.0 Class-Description: Control cable
 - 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
 - Specific insulation resistance**
> 20 GOhm x cm
 - 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

| 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 | 98.0 | 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 |

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 catalogue appendix T 17 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.

- **Accessories**
 - EPIC® CIRCON LS1 refer to page 627
 - SKINTOP® ST-M refer to page 654

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ACCESSORIES
APPENDIX