

Super-flexible servo motor connecting cables for power chains with long travels

### Product Description

Suitable for the most important servomotor drive systems of leading manufacturers.;Well-proven, reliable;Can also be used mobile outdoors;halogen free

LAPP KABEL STUTTGART ÖLFLEX® SERVO FD 755 CP CE



### Application range

- Connecting cable between servo controller and motor
- Plant engineering
- Especially in wet areas of machine tools and transfer lines subject to average mechanical stress
- Assembly lines, production lines, in all kinds of machines

### Benefits

- Suitable for the most important servomotor drive systems of leading manufacturers.
- Well-proven, reliable
- Can also be used mobile outdoors
- halogen free

### Design

- Extra fine strands of plain copper wires (Class 6)
- Core insulation: TPE
- Control core pairs screened with laminated aluminium foil and layer of tinned copper wires
- Pairs and cores twisted together with polyester fibres in extremely short lay lengths
- Nonwoven wrapping
- tinned copper braid
- Polyurethane sheath (PUR), grey (RAL 7001)

### Approvals (Norm references)

- For travel distances up to 100 m (horizontal)
- Usage in Power Chains: Please comply with the assembly guidelines Appendix T3



### Product features

- Designed for up to 5 million bending change cycles in the power chain
- Abrasion and cut resistant
- Oil resistant
- Flame retardant according to IEC 60332-1-2
- Flexible down to -40 °C

### Cross-References

#### Accessories

SILVYN® CHAIN Cable protection and guiding systems

### Technical Data

#### Core identification code

Black with white numbers acc. to VDE 0293

#### Based on

VDE 0250/0281/0282

#### Specific insulation resistance

> 20 GOhm x cm

#### Conductor stranding

Extra fine wire according to VDE 0295 Class 6 / IEC 60228 Class 6 Control pairs: fine wire

#### Minimum bending radius

For flexible applications: 7.5 x outside diameter  
Static: 4 x cable diameter

#### Rated voltage

Supply cores: 600/1000 V

Operating voltage: control pairs: 250 V AC

#### Test voltage

Core: C/C-C/S: 4000 V

Control cores:C/C-C/S: 1000 V

#### Protective conductor

G = with protective conductor GN/YE

#### Range of temperature

Flexing: -40°C up to +80°C

Fixed installation: -50°C up to +90°C

### Article List

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® SERVO FD 755 CP				
0036360	4 G 1,5 + 2 x (2 x 0,75)	15.9	150.0	270



0036361	4 G 2,5 + 2 x (2 x 0,75)	16.1	190.0	316
0036362	4 G 4 + (2 x 0,75) + (2 x 1,0)	16.9	267.0	424
0036363	4 G 6 + (2 x 0,75) + (2 x 1,0)	18.6	371.0	540
0036364	4 G 10 + (2 x 0,75 + 2 x 1,0)	22.0	537.0	776
0036365	4 G 16 + (2 x 2 x 1,0)	24.4	824.0	1122
0036366	4 G 25 + (2 x 2 x 1,5)	29.1	1258.0	1670
0036370	4 G 1,5 + (2 x 1,0)	13.2	131.0	229
0036371	4 G 2,5 + (2 x 1,0)	14.2	175.0	289
0036372	4 G 4 + (2 x 1,0)	15.7	238.0	381
0036373	4 G 6 + (2 x 1,0)	16.9	318.0	468
0036374	4 G 10 + (2 x 1,0)	21.0	512.0	743
0036375	4 G 16 + (2 x 1,5)	23.9	812.0	1107

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil  $\leq$  30 kg and  $\leq$  250 m, otherwise drum

Please specify the desired packaging size (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.