

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 DESINA® CE



Application range

- Connecting cable between servo controller and motor
- In power chains or moving machine parts
- 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), orange (RAL 2003)

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 in accordance with VDE 0295 Class 6/ IEC 60228 Cl. 6**). Control pairs fine wire starting from 0.5 mm²

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 core pairs: 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 ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
0036620	4 G 1,5 + (2 x 1,0)	13.2	131.0	229
0036621	4 G 2,5 + (2 x 1,0)	14.2	175.0	289
0036622	4 G 4 + (2 x 1,0)	15.7	238.0	381

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

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

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