

Screened, low capacitance, halogen-free highly flexible PUR servo motor cable

Product Description

Flexible down to -30° C

LAPP KABEL STÜTTGART ÖLFLEX® SERVO FD 781 CP DESINA® CE



Application range

- Connecting cable between Frequency converter and motor
- For machine internal wiring of power circuits
- In dry, damp or wet interiors under medium mechanical load conditions
- Outdoor use suitable considering the temperature range

Benefits

- Flexible down to -30° C

Design

- Extra fine strands of plain copper wires (Class 6)
- Core insulation: Polypropylene (PP)
- Cores twisted in short lay lengths
- Nonwoven wrapping
- tinned copper braid
- Polyurethane sheath (PUR), orange (RAL 2003)

Approvals (Norm references)

- For travel distances up to 10 m.
- Usage in Power Chains: Please comply with the assembly guidelines Appendix T3
- Conform to DESINA®

Product features

- Its low capacity design allows longer cable lengths between the frequency converter and motor.
- Oil resistant



- Halogen-free and flame retardant (IEC 60332-1-2)
- Low adhesive surface
- Designed for up to 5 million bending change cycles in the power chain

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

> 20TΩm x cm

Conductor stranding

Extra fine wire in acc. with VDE 0295 Cl.6/IEC 60228 Cl. 6

Minimum bending radius

Flexible: 7,5 x outside diameter

Static: 4 x cable diameter

Rated voltage

600/1000 V

Test voltage

4000 V

Protective conductor

G = with green/yellow earthing conductor

Range of temperature

Flexing: -30°C up to +70°C

Fixed installation: -40°C up to +80°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
0037210	4 G 1,5	9.8	89.0	158
0037211	4 G 2,5	11.9	133.8	233
0037212	4 G 4	13.5	210.9	335
0037213	4 G 6	15.3	295.5	456
0037216	4 G 25	28.9	1118.1	1654

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 \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.