

Screened super flexible 0.6/1 kV motor supply cable for power chains, halogen-free.

Product Description

Well-proven, reliable; Flexible down to -40 °C

LAPP KABEL STUTTGART ÖLFLEX® SERVO FD 785 CP CE



Application range

- Power circuits for electrical equipment in automation engineering
- For machine internal wiring of power circuits
- In dry, damp or wet interiors under medium mechanical load conditions
- For outdoor applications

Benefits

- Well-proven, reliable
- Flexible down to -40 °C

Design

- Extra fine strands of plain copper wires (Class 6)
- Core insulation: Based on TPE
- Cores twisted 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

- 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

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 acc. to VDE 0295 Cl.6 / IEC 60228 Cl.6

Minimum bending radius

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

Rated voltage

600/1000 V

Test voltage

4000 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 |
|-------------|---|----------------------|--------------------|--------------|
| 0036390 | 4 G 1,5 | 10.6 | 92.0 | 167 |
| 0036391 | 4 G 2,5 | 12.5 | 139.0 | 234 |
| 0036392 | 4 G 4 | 14.5 | 221.0 | 348 |
| 0036393 | 4 G 6 | 15.9 | 307.0 | 442 |
| 0036394 | 4 G 10 | 20.6 | 482.0 | 691 |
| 0036395 | 4 G 16 | 23.8 | 725.0 | 982 |
| 0036396 | 4 G 25 | 28.7 | 1136.0 | 1498 |
| 0036397 | 4 G 35 | 34.0 | 1605.0 | 2114 |
| 0036660 | 5 G 1,5 | 11.8 | 115.5 | 213 |
| 0036630 | 4 G 1,5 | 10.6 | 92.0 | 167 |
| 0036631 | 4 G 2,5 | 12.5 | 139.0 | 234 |
| 0036632 | 4 G 4 | 14.5 | 221.0 | 348 |
| 0036633 | 4 G 6 | 15.9 | 307.0 | 442 |
| 0036634 | 4 G 10 | 20.6 | 482.0 | 691 |



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|---------|--------|------|-------|-----|
| 0036635 | 4 G 16 | 23.8 | 725.0 | 982 |
|---------|--------|------|-------|-----|

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.