

# **Product Information**

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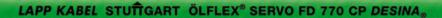
ÖLFLEX® SERVO FD 770 CP DESINA®

Valid: 04.04.2011

Encoder and resolver cables, DESINA® green

# **Product Description**

Thin, weight- and volume-optimised; Total screening prevents/reduces interference from neighbouring cables; Can also be used mobile outdoors; halogen free







# **Application range**

- · 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**

- · Thin, weight- and volume-optimised
- Total screening prevents/reduces interference from neighbouring cables
- · Can also be used mobile outdoors
- · halogen free

## Design

- Extra fine strands of plain copper wires (Class 6)
- · Core insulation: TPE
- Cores (or core pairs) twisted in layers or bundles
- · Nonwoven wrapping
- Tinned copper screen braiding (\*with drain wire)
- Polyurethane sheath (PUR), green (RAL 6018)

# **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

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- 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

see 770 CP

#### Based on

Core in accordance with VDE 0812/0281 KRT Standard version with UL-approval for multi-wire copper conductors with a cross-section range of 10-400 mm<sup>2</sup>.

#### 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: 12 x outer diameter

Static: 4 x cable diameter

#### Rated voltage

48 V AC

Operating peak voltage: 350 V Upp (not for power

applications)

#### Test voltage

C/C-C/S 2000 - 1000 V

# Range of temperature

Flexing: -40°C up to +75°C

Fixed installation: -50°C up to +80°C

# **Article List**

Part number	Number of cores and mm² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
0036640	2 x 2 x 0,14 + 2 x (2 x 0,14) + 4 x 0,5 + (4 x 0,14)	8.1	65.4	105
0036641	3 x (2 x 0,14) + (2x 0,14 + 2 x 0,5) + (4 x 0,22 + 2 x 0,14)	10.0	86.0	111
0036642	4 x 2 x 0,38 + 4 x 0,5	9.8	84.2	144



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0036901 4 x 2 x 0,25	7.4	43.2	89
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#### 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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