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

CE RoHS

Application range

- Connecting cable between servo controler 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
- 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 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: 5 x outer diameter

Fixed installation: 3 x outer diameter

Rated voltage

Supply cores: 600/1000 V

Operating voltage: control cores: 250 V AC

Test voltage

Supply cores: 4000 V

Control cores: C/C: 1500 V

C/S: 750 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 mm² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
0036350	4 G 1,5 + 2 x (2 x 0,75)	14.1	96.0	211
0036351	4 G 2,5 + 2 x (2 x 0,75)	15.1	134.0	259
0036353	4 G 6 + (2 x 0,75) + (2 x 1,0)	17.2	283.0	444
0036601	4 G 1,5 + (2 x 1,0)	11.6	86.4	180

0036602	4 G 2,5 + (2 x 1,0)	12.6	124.8	234
0036603	4 G 4 + (2 x 1,0)	14.7	182.4	320
0036604	4 G 6 + (2 x 1,0)	16.3	259.2	404
0036605	4 G 10 + (2 x 1,0)	20.2	413.0	635
0036606	4 G 16 + (2 x 1,5)	22.9	660.3	943
0036608	4 G 35 + (2 x 1,5)	31.3	1389.9	1864

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)

Photographs are not to scale and do not represent detailed images of the respective products.