

Combined control and supply line for servo motors

### Product Description

Well-proven, reliable



### 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

- Well-proven, reliable

### Design

- Extra fine strands of plain copper wires (Class 6)
- Core insulation: PVC or TPE (control cores)
- Control core pairs screened with laminated aluminium foil and layer of tinned copper wires
- Cores and pairs twisted together
- Nonwoven wrapping
- Sheath: Co-extruded PVC-PUR- compound, grey (RAL 7001)

### Approvals (Norm references)

- For travel distances up to 10 m.
- 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

## Cross-References

### Accessories

SILVYN® CHAIN Cable protection and guiding systems

## Technical Data

### Core identification code

Black with white numbers acc. to VDE 0293

0.34 mm² pairs: wh/bn, gn/ye

### Based on

VDE 0250/0281/0282

### Specific insulation resistance

> 20 GOhm x cm

### Conductor stranding

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

60228 Cl.6\* \*) from 0.5 mm²

### Minimum bending radius

For flexible applications: 12 x outer diameter

Static: 4 x cable diameter

### Rated voltage

Core: 600/1000 V

Control cores: 250 V AC

### Test voltage

Cores: 4000 V

Control cores: C/C: 1500 V, C/S:750 V

### Protective conductor

G = with green/yellow earthing conductor

### Range of temperature

Flexing: -10°C up to +70°C

Fixed installation: -40°C up to +70°C

## Article List

Part number	Number of cores and mm² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
0036240	4 G 0,75 + 2 x (2 x 0,34 Std)	9.6	54.0	106
0036245	4 G 1,5 + 2 x (2 x 0,75 Std)	11.8	100.6	185
0036250	4 G 2,5 + 2 x (2 x 0,75 Std)	14.8	140.7	308

0036251	4 G 4 + (2 x 0,75 Std) + (2 x 1,0 Std)	16.4	216.4	420
0036252	4 G 6 + (2 x 0,75 Std) + (2 x 1,0 Std)	18.8	293.2	550
0036253	4 G 10 + (2 x 0,75 Std) + (2 x 1,0 Std)	22.9	446.0	804

**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](http://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.