

Servo applications

PVC sheath, approved



SERVO Cables in acc. to SEW® Standard

Servo cable, approved



Info

- Servo drives
- EMC-compliant

Benefits

- Multi-standard = fewer part varieties = cost savings

Application range

- Specially designed to connect SEW servo-motors
- Connecting cable between servo controller and motor
- Plant engineering
- Machine tools
- Printing machines

Product features

- For fixed installation or applications with occasional movements
- Oil-resistant
- Flame-retardant according IEC 60332-1-2
- Flame-retardant according to UL VW1/CSA FT1

Norm references / Approvals

- UL-AWM-Style 2570
- Based on VDE 0250 / 0285
- UL File Nr. E63634

Product make-up

- Fine-wire strand made of bare copper wires
- Core insulation: TPE
- Control core triplet with laminated aluminium film and a layer of tinned-copper wires
- Cores twisted in short lay lengths
- Tinned-copper braiding
- PVC outer sheath, orange (RAL 2003)

Technical data

- Core identification code**
Power: black cores with U, VV, WWW printing and 1 core gnye
Control cores: black cores with numbers 1, 2 and 3
- Specific insulation resistance**
> 20 GOhm x cm
- Conductor stranding**
Fine wire according to VDE 0295 Class 5 / IEC 60228 Class 5
- Minimum bending radius**
Occasional flexing: 15 x outer diameter
Fixed installation: 4 x outer diameter
- Nominal voltage**
Power cores: IEC 750 V, UL 600 V
Control cores: 1 mm² and 1.5 mm:
IEC 350 V, UL 600 V
- Test voltage**
2000 V
- Protective conductor**
G = with GN-YE protective conductor
- Temperature range**
Flexing: -10°C to +80°C
Fixed installation: -40°C to +80°C

| Article number | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|---------------------|---|---------------------|----------------------|----------------|
| Servo cables | | | | |
| 0038060 | 4 G 1,5 + (3 x 1,0) | 11.8 | 151.0 | 300 |
| 0038061 | 4 G 2,5 + (3 x 1,0) | 13.4 | 212.9 | 370 |
| 0038062 | 4 G 4 + (3 x 1,0) | 15.0 | 281.8 | 476 |
| 0038063 | 4 G 6 + (3 x 1,5) | 17.0 | 392.8 | 625 |
| 0038064 | 4 G 10 + (3 x 1,5) | 20.0 | 625.1 | 1024 |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
SEW® is a registered trademark of SEW Eurodrive GmbH & Co KG, Ernst-Blickle Str. 42, D-76646 Bruchsal
Photographs are not to scale and do not represent detailed images of the respective products.

Accessories

- SKINTOP® MS-SC-M refer to page 674
- SKINTOP® MS-M BRUSH refer to page 675

ÖLFLEX® UNITRONIC® ETHERLINE® HITRONIC® EPIC® SKINTOP® SILVYN® FLEXIMARK® ACCESSORIES APPENDIX