

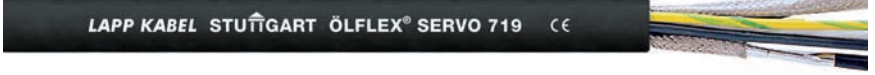


ÖLFLEX® SERVO 719

Low capacitance servo cable with PVC outer sheath for static use - certified for North America

i Info

- Successor of ÖLFLEX® SERVO 700
- Low-capacitance design



Benefits

- One common cable for multiple circuits
- Longer cable installation lengths thanks to low mutual capacitance cable design
- Multi-standard certification reduces part varieties and saves costs
- Space and weight-saving installations due to small cable diameters

Application range

- Connecting cable between servo controller and motor
- For static and occasionally flexible use
- Plant engineering
- Industrial machinery and machine tools
- Printing machines

Product features

- Low capacitance
- Flammability: UL/CSA: VW-1, FT1 IEC/EN: 60332-1-2
- Oil-resistant

Norm references / Approvals

- USA: UL AWM Style 2570
Canada: cUL AWM Style I/II A/B FT1
- UL File No. E63634

Product Make-up

- Fine-wire, bare copper conductor
- Core insulation: polypropylene (PP)
- Individual design depending on the item: power cores without or with one or two individually screened control core pairs twisted together in short lay lengths
- PVC outer sheath, black (RAL 9005)

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC000104
ETIM 5.0/6.0 Class-Description: Control cable

Core identification code
Power cores: black with marking U/L1/C/L+; V/L2; W/L3/D /L-; GN/YE protective conductor
Single-paired versions: black; white
Double-paired versions: black with white numbers 5; 6; 7; 8
0,34mm² pairs: WH/BN/GN/YE

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: 6 x outer diameter

Nominal voltage
Power cores and control cores: IEC U0/U: 600/1000 V
UL & CSA: 1000 V

Test voltage
Core/Core: 4 kV
Core/Screen: 4 kV

Protective conductor
G = with GN-YE protective conductor

Temperature range
Occasional flexing: -5°C to +70°C (UL: +80°C)
Fixed installation: -40°C to +80°C

| Article number | Number of cores and mm ² per conductor | Outer diameter (mm) approx. | Copper index (kg/km) | Weight (kg/km) |
|--------------------------|---|-----------------------------|----------------------|----------------|
| ÖLFLEX® SERVO 719 | | | | |
| 1020060 | 4 G 1,5 + (2 x 0,75) | 9.7 | 83.3 | 177 |
| 1020065 | 4 G 1,5 + (2 x 1,5) | 10.8 | 108.3 | 214 |
| 1020061 | 5 G 1,5 + (2 x 0,75) | 10.6 | 97.7 | 203 |
| 1020062 | 7 G 1,5 + (2 x 0,75) | 11.5 | 126.5 | 241 |
| 1020063 | 4 G 2,5 + (2 x 0,75) | 11.1 | 121.7 | 238 |
| 1020066 | 4 G 2,5 + (2 x 1,5) | 12.2 | 146.7 | 276 |
| 1020064 | 7 G 2,5 + (2 x 0,75) | 12.7 | 193.7 | 325 |
| 1020067 | 4 G 4 + (2 x 1,5) | 13.9 | 204.3 | 360 |
| 1020068 | 4 G 6 + (2 x 1,5) | 16.1 | 281.1 | 478 |
| 1020069 | 4 G 10 + (2 x 1,5) | 18.2 | 434.7 | 654 |
| 1020071 | 4 G 0,75 + 2 x (2 x 0,34) | 9.0 | 62.1 | 121 |
| 1020072 | 4 G 1,5 + 2 x (2 x 0,75) | 11.6 | 111.6 | 203 |
| 1020073 | 4 G 2,5 + 2 x (2 x 1,0) | 13.6 | 159.7 | 286 |
| 1020074 | 4 G 4 + 2 x (2 x 1,0) | 15.3 | 217.3 | 377 |
| 1020075 | 4 G 4 + (2 x 1,0) + (2 x 1,5) | 15.5 | 237.6 | 396 |
| 1020076 | 4 G 6 + (2 x 1,0) + (2 x 1,5) | 17.4 | 314.4 | 512 |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100 kg. 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
Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Similar products

- ÖLFLEX® SERVO 719 CY refer to page 100

Accessories

- EPIC® POWER LS1
- SKINTOP® ST-M refer to page 684