

## ÖLFLEX® SERVO 719

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

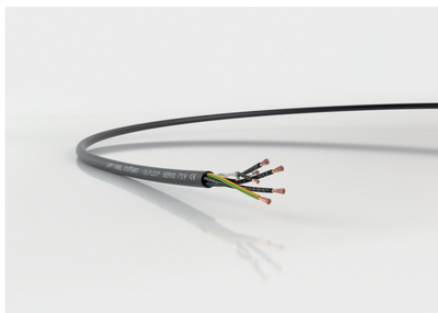
ÖLFLEX® SERVO 719 - low capacitance servo cable for fixed installation or occasional flexing with UL/cUL AWM certification

### Info

Successor of ÖLFLEX® SERVO 700

Low-capacitance design

Without overall screening



Oil-resistant



UV-resistant

### 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

Last Update (25.04.2024)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

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## ÖLFLEX® SERVO 719

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:    | ETIM 5.0 Class-ID: EC000104<br>ETIM 5.0 Class-Description: Control cable                                                                                                                                                                    |
| Classification ETIM 6:    | ETIM 6.0 Class-ID: EC000104<br>ETIM 6.0 Class-Description: Control cable                                                                                                                                                                    |
| Core identification code: | Power cores: black with marking U/L1/C/L+; V/L2; W/L3/D /L-;<br>GN/YE protective conductor<br>Single-paired versions: black; white<br>Double-paired versions: black with white numbers 5; 6; 7; 8<br>0,34mm <sup>2</sup> 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<br>Fixed installation: 6 x outer diameter                                                                                                                                                           |
| Nominal voltage:          | Power cores and control cores:<br>IEC U0/U: 600/1000 V<br>UL & CSA: 1000 V                                                                                                                                                                  |
| Test voltage:             | Core/Core: 4 kV<br>Core/Screen: 4 kV                                                                                                                                                                                                        |
| Protective conductor:     | G = with GN-YE protective conductor                                                                                                                                                                                                         |
| Temperature range:        | Occasional flexing:<br>-5°C to +70°C (UL: +80°C)<br>Fixed installation: -40°C to +80°C                                                                                                                                                      |

### Note

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](http://www.lappkabel.de/en/cable-standardlengths)

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

Prices are net prices without VAT and surcharges. Sale to business customers only.

# ÖLFLEX® SERVO 719

| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter (mm) approx. | Copper index (kg/km) | Weight (kg/km) |
|----------------|---------------------------------------------------|-----------------------------|----------------------|----------------|
| 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            |