

## ÖLFLEX® SERVO 9YSLCY-JB

EMC-optimised motor cable, low-capacitance, double-screened, certified

ÖLFLEX® SERVO 9YSLCY-JB - double screened power cable for large servo drive systems with high electrical load, UL/cUL certified

### Info

AWM certification for USA and Canada

3+3 symmetry reduces common-mode interference effects and bearing currents

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)



Interference signals

### Benefits

EMC-compliant operation of power drive systems

High power transmission for large drives

Low capacitance design enables longer cable connection between frequency converter and motor

Symmetrical 3+3 Version supports the reduction of damaging bearing currents

Versions with black outer sheath are suitable for outdoor use

### Application range

Connecting cable between frequency converter and motor

In dry, damp or wet interiors

Paper industry

Chemical industry

Heavy industry

### Product features

Flame-retardant according to IEC 60332-1-2 & CSA FT1

EN/VDE +90° C PP insulation

### Norm references / Approvals

Last Update (23.01.2026)

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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 9YSLCY-JB

USA: AWM Style 2570 or 20886, 1kV 80°C VW-1

Canada: AWM I/II A/B 1kV 80°C FT1

UL File No. E63634

Based on VDE 0276, 0250, 0207

### Product Make-up

Fine-wire, bare copper conductor

Core insulation: polypropylene (PP)

Cores twisted concentrically (symmetrically splitted protective conductor of 3+3 version is gusset-filling divided between the power cores)

Screening: wrapping of laminated aluminium foil in combination with tinned copper braiding

4-core design: transparent PVC outer sheath

3+3 core version: PVC outer sheath, black

### Technical Data

|                           |                                                                                                                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Classification ETIM 5:    | ETIM 5.0 Class-ID: EC000057<br>ETIM 5.0 Class-Description: Low voltage power cable                                                                                                                       |
| Classification ETIM 6:    | ETIM 6.0 Class-ID: EC000057<br>ETIM 6.0 Class-Description: Low voltage power cable                                                                                                                       |
| Core identification code: | Colours according to HD 308 S2 VDE 0293-308                                                                                                                                                              |
| 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: 4 x outer diameter                                                                                                                        |
| Nominal voltage:          | IEC U0/U: 600/1000 V<br>UL & CSA: 1000 V                                                                                                                                                                 |
| Test voltage:             | 4000 V                                                                                                                                                                                                   |
| Protective conductor:     | Protective conductor of 3+3 version is gusset-filling divided between power cores                                                                                                                        |
| Temperature range:        | Flexing:<br>IEC: transparent -5°C to +80°C<br>IEC: black -5°C to +90 °C<br>UL/CSA: -5°C to +80°C<br>Fixed installation:<br>IEC: transparent -40°C to +80°C<br>IEC: black -40°C to +90°C<br>UL/CSA: +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)

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).

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 9YSLCY-JB

| Article number                                                      | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---------------------------------------------------------------------|---------------------------------------------------|---------------------|----------------------|----------------|
| ÖLFLEX® SERVO 9YSLCY-JB / 4-core version - transparent outer sheath |                                                   |                     |                      |                |
| 0037000                                                             | 4 G 1,5                                           | 10.5                | 87                   | 230            |
| 0037001                                                             | 4 G 2,5                                           | 11.8                | 133                  | 300            |
| 0037002                                                             | 4 G 4                                             | 13.3                | 213                  | 485            |
| 0037003                                                             | 4 G 6                                             | 14.9                | 298                  | 630            |
| 0037004                                                             | 4 G 10                                            | 17.7                | 460                  | 860            |
| 0037005                                                             | 4 G 16                                            | 21.5                | 707                  | 1290           |
| 0037006                                                             | 4 G 25                                            | 26.3                | 1100                 | 1860           |
| 0037007                                                             | 4 G 35                                            | 29.7                | 1542                 | 2610           |
| 0037008                                                             | 4 G 50                                            | 35.8                | 2206                 | 2950           |
| 0037009                                                             | 4 G 70                                            | 40.9                | 3002                 | 3950           |
| 0037010                                                             | 4 G 95                                            | 45.4                | 4004                 | 5300           |
| 0037011                                                             | 4 G 120                                           | 49.8                | 5108                 | 6600           |
| 0037012                                                             | 4 G 150                                           | 56.1                | 6225                 | 7590           |
| 0037013                                                             | 4 G 185                                           | 61.4                | 7568                 | 9420           |
| 0037014                                                             | 4 G 240                                           | 67.9                | 9940                 | 12150          |
| ÖLFLEX® SERVO 9YSLCY-JB / 3+3 core version - black outer sheath     |                                                   |                     |                      |                |
| 0037015                                                             | 3 X 1,5 + 3 G 0,25                                | 11.4                | 88                   | 177            |
| 0037016                                                             | 3 X 2,5 + 3 G 0,5                                 | 12.9                | 130                  | 220            |
| 0037017                                                             | 3 X 4 + 3 G 0,75                                  | 13.6                | 224                  | 323            |
| 0037018                                                             | 3 X 6 + 3 G 1,0                                   | 15.2                | 276                  | 420            |
| 0037019                                                             | 3 X 10 + 3 G 1,5                                  | 17.4                | 511                  | 635            |
| 0037020                                                             | 3 X 16 + 3 G 2,5                                  | 20                  | 751                  | 930            |
| 0037021                                                             | 3 X 25 + 3 G 4                                    | 24.3                | 1204                 | 1350           |
| 0037022                                                             | 3 X 35 + 3 G 6                                    | 27.5                | 1535                 | 1780           |
| 0037023                                                             | 3 X 50 + 3 G 10                                   | 31.1                | 2156                 | 2530           |
| 0037024                                                             | 3 X 70 + 3 G 10                                   | 37.1                | 2980                 | 3225           |
| 0037025                                                             | 3 X 95 + 3 G 16                                   | 40                  | 3953                 | 4511           |
| 0037026                                                             | 3 X 120 + 3 G 16                                  | 42.6                | 4836                 | 5663           |
| 0037027                                                             | 3 X 150 + 3 G 25                                  | 50                  | 5412                 | 6720           |
| 0037028                                                             | 3 X 185 + 3 G 35                                  | 55.6                | 7077                 | 7855           |