

## ÖLFLEX® SERVO 2YSLCY-JB

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

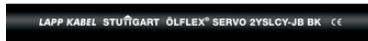
ÖLFLEX® SERVO 2YSLCY-JB - Motor cable for drives with high electrical power, EMI optimized and double screened.

### Info

EMC-optimised design

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 installation of power drive systems conforming to EN 61800-3

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 IEC 60332-1-2

### Norm references / Approvals

Based on VDE 0207 / 0250 / 0295

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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.

PN 0456 / 02\_03.16

## ÖLFLEX® SERVO 2YSLCY-JB

### Product Make-up

Fine-wire, bare copper conductor

Core insulation: PE

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 version: optional transparent or black PVC outer sheath

3+3 core version: PVC outer sheath, black - cold flexible

### 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:          | U0/U: 600/1000 V   |
| Test voltage:             | Core/Core: 4 kV<br>Core/Screen: 4 kV   |
| Protective conductor:     | G = with GN-YE protective conductor<br>X = without protective conductor<br>Protective conductor of 3+3 version is gusset-filling divided between power cores |
| Temperature range:        | Flexing: -5 °C to +70 °C<br>3+3 core version: -15 °C to +70 °C<br>Fixed installation: -40 °C to +70 °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 2YSLCY-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 2YSLCY-JB / 4-core version - transparent outer sheath             |   |                     |                      |                |
| 0036425   | 4 G 1.5   | 11.4                | 95                   | 230            |
| 0036426   | 4 G 2.5   | 12.4                | 150                  | 300            |
| 0036427   | 4 G 4.0   | 15.6                | 235                  | 485            |
| 0036428   | 4 G 6.0   | 17                  | 320                  | 630            |
| 0036429   | 4 G 10.0  | 19.6                | 533                  | 860            |
| 0036430   | 4 G 16.0  | 22.1                | 789                  | 1290           |
| 0036431   | 4 G 25.0  | 26.3                | 1236                 | 1860           |
| 0036432   | 4 G 35.0  | 29.5                | 1662                 | 2610           |
| 0036433   | 4 G 50.0  | 35.8                | 2345                 | 2950           |
| 0036434   | 4 G 70.0  | 40.3                | 3196                 | 3950           |
| 0036435   | 4 G 95.0  | 46.5                | 4316                 | 5300           |
| 0036436   | 4 G 120.0   | 53.2                | 5435                 | 6600           |
| 0036437   | 4 G 150.0   | 57.3                | 6394                 | 7043           |
| 0036438   | 4 G 185.0   | 62.3                | 7639                 | 8384           |
| ÖLFLEX® SERVO 2YSLCY-JB BK / 4-core version - black outer sheath                |   |                     |                      |                |
| 1136450   | 4 G 1.5   | 11.4                | 95                   | 230            |
| 1136451   | 4 G 2.5   | 12.4                | 150                  | 300            |
| 1136452   | 4 G 4.0   | 15.6                | 235                  | 485            |
| 1136453   | 4 G 6.0   | 17                  | 320                  | 630            |
| 1136454   | 4 G 10.0  | 19.6                | 533                  | 860            |
| 1136455   | 4 G 16.0  | 22.1                | 789                  | 1290           |
| 1136456   | 4 G 25.0  | 26.3                | 1236                 | 1860           |
| 1136457   | 4 G 35.0  | 29.5                | 1662                 | 2610           |
| 1136458   | 4 G 50.0  | 35.8                | 2345                 | 2950           |
| 1136459   | 4 G 70.0  | 40.3                | 3196                 | 3950           |
| 1136460   | 4 G 95.0  | 46.5                | 4316                 | 5300           |
| 1136461   | 4 G 120.0   | 53.2                | 5435                 | 6600           |
| 1136462   | 4 G 150.0   | 57.3                | 6394                 | 7043           |
| 1136463   | 4 G 185.0   | 62.3                | 7639                 | 8384           |
| ÖLFLEX® SERVO 2YSLCYK-JB / 3+3 core version - black outer sheath, cold flexible |   |                     |                      |                |
| 0036439   | 3 X 1,5 + 3 G 0,25                                | 11.4                | 88                   | 140            |
| 0036440   | 3 X 2,5 + 3 G 0,5                                 | 12.2                | 144                  | 220            |
| 0036441   | 3 X 4 + 3 G 0,75                                  | 14.4                | 224                  | 323            |

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| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 0036442        | 3 X 6 + 3 G 1,0                                   | 15.7                | 276                  | 420            |
| 0036443        | 3 X 10 + 3 G 1,5                                  | 18                  | 491                  | 615            |
| 0036444        | 3 X 16 + 3 G 2,5                                  | 20.2                | 723                  | 819            |
| 0036445        | 3 X 25 + 3 G 4                                    | 23.8                | 1136                 | 1325           |
| 0036446        | 3 X 35 + 3 G 6                                    | 26.9                | 1535                 | 1718           |
| 0036447        | 3 X 50 + 3 G 10                                   | 32.6                | 2156                 | 2399           |
| 0036448        | 3 X 70 + 3 G 10                                   | 36.4                | 2871                 | 3056           |
| 0036449        | 3 X 95 + 3 G 16                                   | 42                  | 3953                 | 4162           |
| 0036450        | 3 X 120 + 3 G 16                                  | 47.8                | 4836                 | 5074           |
| 0036451        | 3 X 150 + 3 G 25                                  | 51.6                | 5412                 | 6128           |
| 0036479        | 3 X 185 + 3 G 35                                  | 56.5                | 7041                 | 7500           |
| 0036453        | 3 X 240 + 3 G 50                                  | 65.1                | 8986                 | 9770           |

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