

ÖLFLEX® SERVO 2XSLCH-JB

EMC-optimised motor cable, low-capacitance, double screened and halogen-free with improved fire behaviour

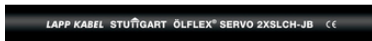
ÖLFLEX® SERVO 2XSLCH-JB - Motor cable for drives with high electrical power, EMI optimized, double screened and halogen-free.

Info

Halogen-free and highly flame-retardant

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

CPR: Article number choice under www.lappkabel.com/cpr



Flame-retardant



Halogen-free



Interference signals



UV-resistant

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

Reduction of flame propagation, density and toxicity of smoke gases in event of fire

Application range

Connecting cable between frequency converter and motor

In dry, damp or wet interiors

Paper industry, automotive industry

Food production and packaging machinery

Last Update (23.04.2024)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

ÖLFLEX® SERVO 2XSLCH-JB

Machine tools

Product features

Low-capacitance design

Fire behaviour:

- Flame-retardant (IEC 60332-1-2)
- Halogen-free (IEC 60754-1)
- No corrosive gases (IEC 60754-2)
- Low smoke density (IEC 61034-2)
- Low toxicity (EN 50305)

No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)

UV and weather-resistant according to ISO 4892-2

Norm references / Approvals

Based on VDE 0276, 0250, 0207

Product Make-up

Fine-wire, bare copper conductor

Core insulation: XLPE

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

Outer sheath: Halogen-free special compound, colour black (RAL 9005)

Technical Data

| | |
|---------------------------|--|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC000057 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 Fixed installation: 4 x outer diameter |
| Nominal voltage: | U ₀ /U: 600/1000 V |
| Test voltage: | Core/Core: 4 kV Core/Screen: 4 kV |
| Protective conductor: | G = with GN-YE protective conductor X = without protective conductor Protective conductor of 3+3 version is gusset-filling divided between power cores |
| Temperature range: | Flexing: -15 °C to +90 °C Fixed installation: -40 °C to +90 °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

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Packaging size: coil \leq 30 kg or \leq 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.

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| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|--|---|---------------------|----------------------|----------------|
| ÖLFLEX® SERVO 2XSLCH-JB / 4-core version | | | | |
| 1133500 | 4 G 1.5 | 10.9 | 95 | 230 |
| 1133501 | 4 G 2.5 | 12.1 | 150 | 300 |
| 1133502 | 4 G 4.0 | 14.1 | 235 | 485 |
| 1133503 | 4 G 6.0 | 15.6 | 320 | 630 |
| 1133504 | 4 G 10.0 | 18 | 533 | 860 |
| 1133505 | 4 G 16.0 | 20.9 | 789 | 1290 |
| 1133506 | 4 G 25.0 | 26 | 1236 | 1860 |
| 1133507 | 4 G 35.0 | 29.6 | 1662 | 2610 |
| 1133508 | 4 G 50.0 | 32.8 | 2345 | 2950 |
| 1133509 | 4 G 70.0 | 38 | 3196 | 3950 |
| 1133510 | 4 G 95.0 | 42.5 | 4316 | 5300 |
| 1133511 | 4 G 120.0 | 47 | 5435 | 6600 |
| 1133512 | 4 G 150.0 | 52.9 | 6394 | 7590 |
| 1133513 | 4 G 185.0 | 57.6 | 7639 | 9420 |
| ÖLFLEX® SERVO 2XSLCH-JB / 3+3 core version | | | | |
| 1133514 | 3 X 1,5 + 3 G 0,25 | 10.9 | 88 | 177 |
| 1133515 | 3 X 2,5 + 3 G 0,5 | 12 | 144 | 230 |
| 1133516 | 3 X 4 + 3 G 0,75 | 13.5 | 224 | 323 |
| 1133517 | 3 X 6 + 3 G 1 | 14.7 | 276 | 420 |
| 1133518 | 3 X 10 + 3 G 1,5 | 16.7 | 491 | 635 |
| 1133519 | 3 X 16 + 3 G 2,5 | 20.2 | 723 | 930 |
| 1133520 | 3 X 25 + 3 G 4 | 23.4 | 1136 | 1350 |
| 1133521 | 3 X 35 + 3 G 6 | 26.7 | 1535 | 1780 |
| 1133522 | 3 X 50 + 3 G 10 | 30.9 | 2156 | 2530 |
| 1133523 | 3 X 70 + 3 G 10 | 34.4 | 2871 | 3225 |
| 1133524 | 3 X 95 + 3 G 16 | 38.3 | 3953 | 4511 |
| 1133525 | 3 X 120 + 3 G 16 | 42.3 | 4836 | 5663 |
| 1133526 | 3 X 150 + 3 G 25 | 47.5 | 5412 | 6720 |
| 1133527 | 3 X 185 + 3 G 35 | 51.9 | 7041 | 7855 |
| 1133528 | 3 X 240 + 3 G 50 | 59 | 8986 | 12850 |

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