

## ÖLFLEX® SERVO 2XSLCH-JB

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

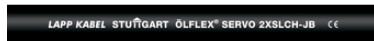
ÖLFLEX® SERVO 2XSLCH-JB - Motor cable for drives with high electrical power, EMI optimized, double screened and halogen-free.

### 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](http://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 (15.05.2025)

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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 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 <sub>0</sub> /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](http://www.lappkabel.de/en/cable-standardlengths)

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## ÖLFLEX® SERVO 2XSLCH-JB

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.

**ÖLFLEX® SERVO 2XSLCH-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 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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