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 (22.06.2026)
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You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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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:	U0/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 ≤ 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.

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PRODUCT INFORMATION

Article number	Number of cores and mm² 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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