

ÖLFLEX® SERVO 2XSLEY-JB

EMC-optimised motor cable, low-capacitance, double-screened, UL/cUL AWM certified

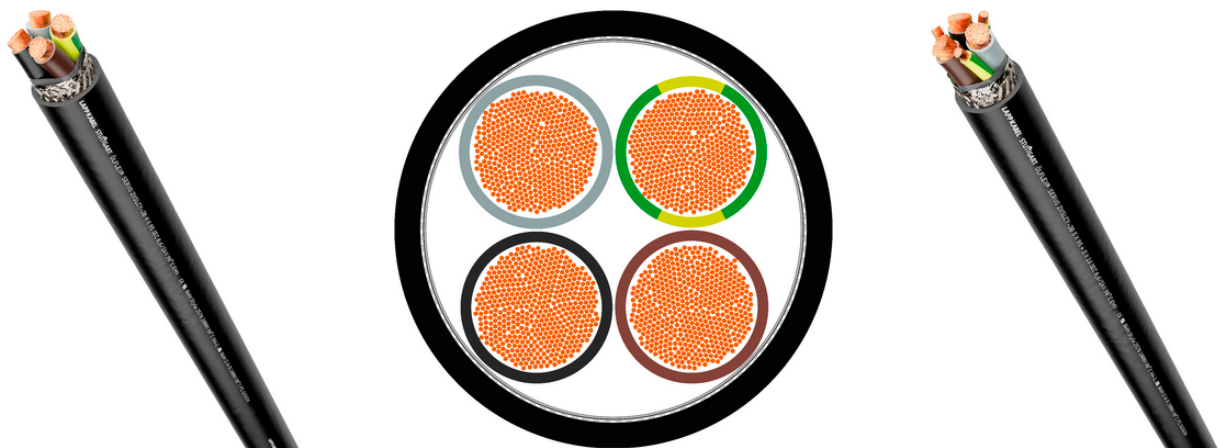
ÖLFLEX® SERVO 2XSLEY-JB - double screened power cable for large servo drive systems with high electrical load, UL/cUL certified

Info

Optimised cable design

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

AWM certification for USA and Canada



Cold-resistant



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

Outdoor use thanks to UV resistant black outer sheath

Application range

Connecting cable between frequency converter and motor

For use in dry, damp and wet rooms

Paper industry

Chemical industry

Heavy industry

Last Update (22.12.2023)

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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

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Product features

Low-capacitance design
 Flame-retardant acc. to IEC 60332-1-2,
 UL VW-1 & CSA FT 1
 UV and weather-resistant according to ISO 4892-2
 Flexible at temperatures down to -15 °C

Norm references / Approvals

USA: UL AWM Style 2570
 Canada: cUL AWM Style I/II A/B FT1
 UL File No. E63634
 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
 PVC outer sheath, black (similar 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:	IEC U0/U: 600/1000 V 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: -15 °C to +90 °C (UL/CSA +80 °C) Fixed installation: -40 °C to +90 °C (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

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.

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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)
1133600	4 G 1,5	10.9	95	160
1133601	4 G 2,5	12.1	150	221
1133602	4 G 4	14.1	235	315
1133603	4 G 6	15.6	320	418
1133604	4 G 10	18.0	533	618
1133605	4 G 16	20.9	789	1290
1133606	4 G 25	26.0	1236	1860
1133607	4 G 35	29.6	1662	2610
1133608	4 G 50	32.8	2345	2950
1133609	4 G 70	38.0	3196	3950
1133610	4 G 95	42.5	4316	5300
1133611	4 G 120	47.0	5435	6600
1133612	4 G 150	52.9	6394	7590
1133613	4 G 185	57.6	7639	9420
1133614	4 G 240	65.6	10013	12150
1133615	3 X 1,5 + 3 G 0,25	10.9	88	177
1133616	3 X 2,5 + 3 G 0,5	12.0	144	230
1133617	3 X 4 + 3 G 0,75	13.5	224	323
1133618	3 X 6 + 3 G 1	14.7	276	420
1133619	3 X 10 + 3 G 1,5	16.7	491	635
1133620	3 X 16 + 3 G 2,5	20.2	723	930
1133621	3 X 25 + 3 G 4	23.4	1136	1350
1133622	3 X 35 + 3 G 6	26.7	1535	1780
1133623	3 X 50 + 3 G 10	30.9	2156	2530
1133624	3 X 70 + 3 G 10	34.4	2871	3225
1133625	3 X 95 + 3 G 16	38.3	3953	4511
1133626	3 X 120 + 3 G 16	42.3	4836	5663
1133627	3 X 150 + 3 G 25	47.5	5412	6720
1133628	3 X 185 + 3 G 35	51.9	7041	7855
1133629	3 X 240 + 3 G 50	59.0	8986	12850

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