

ÖLFLEX® SERVO 9YSLCY-JB

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

ÖLFLEX® SERVO 9YSLCY-JB - double screened power cable for large servo drive systems with high electrical load, UL/cUL certified

Info

AWM certification for USA and Canada

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

CPR: Article number choice under 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 to IEC 60332-1-2 & CSA FT1

EN/VDE +90° C PP insulation

Norm references / Approvals

Last Update (10.01.2022)

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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 9YSLCY-JB

USA: AWM Style 2570 or 20886, 1kV 80°C VW-1
 Canada: AWM I/II A/B 1kV 80°C FT1
 UL File No. E63634
 Based on VDE 0276, 0250, 0207

Product Make-up

Fine-wire, bare copper conductor
 Core insulation: polypropylene (PP)
 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 design: transparent PVC outer sheath
 3+3 core version: PVC outer sheath, black

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: IEC: transparent -5°C to +80°C IEC: black -5°C to +90°C UL/CSA: -5°C to +80°C Fixed installation: IEC: transparent -40°C to +80°C IEC: black -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.

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]	Weight (kg/km)
ÖLFLEX® SERVO 9YSLCY-JB / 4-core version - transparent outer sheath			
0037000	4 G 1,5	10.5	230
0037001	4 G 2,5	11.8	300
0037002	4 G 4	13.3	485
0037003	4 G 6	14.9	630
0037004	4 G 10	17.7	860
0037005	4 G 16	21.5	1290
0037006	4 G 25	26.3	1860
0037007	4 G 35	29.7	2610
0037008	4 G 50	35.8	2950
0037009	4 G 70	40.9	3950
0037010	4 G 95	45.4	5300
0037011	4 G 120	49.8	6600
0037012	4 G 150	56.1	7043
0037013	4 G 185	61.4	8384
0037014	4 G 240	67.9	12150
ÖLFLEX® SERVO 9YSLCY-JB / 3+3 core version - black outer sheath			
0037015	3 X 1,5 + 3 G 0,25	11.4	140
0037016	3 X 2,5 + 3 G 0,5	12.9	220
0037017	3 X 4 + 3 G 0,75	13.6	323
0037018	3 X 6 + 3 G 1,0	15.2	420
0037019	3 X 10 + 3 G 1,5	17.4	615
0037020	3 X 16 + 3 G 2,5	20	819
0037021	3 X 25 + 3 G 4	24.3	1325
0037022	3 X 35 + 3 G 6	27.5	1718
0037023	3 X 50 + 3 G 10	31.1	2399
0037024	3 X 70 + 3 G 10	37.1	3056
0037025	3 X 95 + 3 G 16	40	4162
0037026	3 X 120 + 3 G 16	42.6	5074
0037027	3 X 150 + 3 G 25	50	6128
0037028	3 X 185 + 3 G 35	55.6	7820

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