ÖLFLEX® SERVO 2YSLCY-JB

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

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

Info
EMC-optimised design
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 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
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 IEC 60332-1-2

Norm references / Approvals
Based on VDE 0207 / 0250 / 0295

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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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Product Make-up

Fine-wire, bare copper conductor
Core insulation: PE
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 version: optional transparent or black PVC outer sheath
3+3 core version: PVC outer sheath, black - cold flexible

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: -5 °C to +70 °C 3+3 core version: -15 °C to +70 °C Fixed installation: -40 °C to +70 °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 mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SERVO 2YSLCY-JB / 4-core version - transparent outer sheath				
0036425	4 G 1.5	11.4	95	230
0036426	4 G 2.5	12.4	150	300
0036427	4 G 4.0	15.6	235	485
0036428	4 G 6.0	17	320	630
0036429	4 G 10.0	19.6	533	860
0036430	4 G 16.0	22.1	789	1290
0036431	4 G 25.0	26.3	1236	1860
0036432	4 G 35.0	29.5	1662	2610
0036433	4 G 50.0	35.8	2345	2950
0036434	4 G 70.0	40.3	3196	3950
0036435	4 G 95.0	46.5	4316	5300
0036436	4 G 120.0	53.2	5435	6600
0036437	4 G 150.0	57.3	6394	7590
0036438	4 G 185.0	62.3	7639	9420
ÖLFLEX® SERVO 2YSLCY-JB BK / 4-core version - black outer sheath				
1136450	4 G 1.5	11.4	95	230
1136451	4 G 2.5	12.4	150	300
1136452	4 G 4.0	15.6	235	485
1136453	4 G 6.0	17	320	630
1136454	4 G 10.0	19.6	533	860
1136455	4 G 16.0	22.1	789	1290
1136456	4 G 25.0	26.3	1236	1860
1136457	4 G 35.0	29.5	1662	2610
1136458	4 G 50.0	35.8	2345	2950
1136459	4 G 70.0	40.3	3196	3950
1136460	4 G 95.0	46.5	4316	5300
1136461	4 G 120.0	53.2	5435	6600
1136462	4 G 150.0	57.3	6394	7590
1136463	4 G 185.0	62.3	7639	9420
ÖLFLEX® SERVO 2YSLCYK-JB / 3+3 core version - black outer sheath, cold flexible				
0036439	3 X 1,5 + 3 G 0,25	11.4	88	140
0036440	3 X 2,5 + 3 G 0,5	12.2	144	230
0036441	3 X 4 + 3 G 0,75	14.4	224	323

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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)
0036442	3 X 6 + 3 G 1,0	15.7	276	420
0036443	3 X 10 + 3 G 1,5	18	491	635
0036444	3 X 16 + 3 G 2,5	20.2	723	930
0036445	3 X 25 + 3 G 4	23.8	1136	1350
0036446	3 X 35 + 3 G 6	26.9	1535	1780
0036447	3 X 50 + 3 G 10	32.6	2156	2530
0036448	3 X 70 + 3 G 10	36.4	2871	3225
0036449	3 X 95 + 3 G 16	42	3953	4511
0036450	3 X 120 + 3 G 16	47.8	4836	5663
0036451	3 X 150 + 3 G 25	51.6	5412	6720
0036479	3 X 185 + 3 G 35	56.5	7041	7855
0036453	3 X 240 + 3 G 50	65.1	8986	9770

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