


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® SERVO 2YSLCY-JB</b>	07.11.2014

EMC-optimised motor cable, low-capacitance, double screened  
EMC-compliant installation of power drive systems conforming to EN 61800-3  
High power transmission for large drives  
Longer cable connection between the frequency converter and drive due to low capacitance design  
Versions with black outer sheath are suitable for outdoor use and direct burial



Interference signals

### Info

EMC-optimised design  
4-core design in transparent or black  
3+3 symmetry reduces common-mode interference effects

### Application range

Connecting cable between frequency converter and motor  
In dry, damp or wet interiors  
Paper industry  
Chemical industry  
Heavy industry

### Product Make-up

Fine-wire strand made of bare copper wires  
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


### Norm references / Approvals

Based on VDE 0207 / 0250 / 0295

### Product features

Flame-retardant according IEC 60332-1-2

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### Remark

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)

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 are not to scale and do not represent detailed images of the respective products.

### Technical Data

Core identification code:	Colours according to HD 308 S2 VDE 0293-308
Classification:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
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:	$U_0/U$ : 0.6/1.0 kV
Test voltage:	4000 V
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

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## ÖLFLEX® SERVO 2YSLCY-JB

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Part number	Number of cores and mm <sup>2</sup> 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	95.0	230
0036426	4 G 2,5	12,4	150.0	300
0036427	4 G 4	15,6	235.0	485
0036428	4 G 6	17.0	320.0	630
0036429	4 G 10	19,6	533.0	860
0036430	4 G 16	22,1	789.0	1290
0036431	4 G 25	26,3	1236.0	1860
0036432	4 G 35	29,5	1662.0	2610
0036433	4 G 50	35,8	2345.0	2950
0036434	4 G 70	40,3	3196.0	3950
0036435	4 G 95	46,5	4316.0	5300
0036436	4 G 120	53,2	5435.0	6600
0036437	4 G 150	57,3	6394.0	7043
0036438	4 G 185	62,3	7639.0	8384
ÖLFLEX® SERVO 2YSLCY-JB BK / 4-core version - black outer sheath				
1136450	4 G 1,5	11,4	95.0	230
1136451	4 G 2,5	12,4	150.0	300
1136452	4 G 4	15,6	235.0	485
1136453	4 G 6	17.0	320.0	630
1136454	4 G 10	19,6	533.0	860
1136455	4 G 16	22,1	789.0	1290
1136456	4 G 25	26,3	1236.0	1860
1136457	4 G 35	29,5	1662.0	2610
1136458	4 G 50	35,8	2345.0	2950
1136459	4 G 70	40,3	3196.0	3950
1136460	4 G 95	46,5	4316.0	5300
1136461	4 G 120	53,2	5435.0	6600
1136462	4 G 150	57,3	6394.0	7043
1136463	4 G 185	62,3	7639.0	8384
ÖLFLEX® SERVO 2YSLCYK-JB / 3+3 core version - black outer sheath				
0036439	3 X 1,5 + 3 G 0,25	11,4	88.0	140
0036440	3 X 2,5 + 3 G 0,5	12,2	144.0	220
0036441	3 X 4 + 3 G 0,75	14,4	224.0	323



Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0036442	3 X 6 + 3 G 1,0	15,7	276.0	420
0036443	3 X 10 + 3 G 1,5	18,0	491.0	615
0036444	3 X 16 + 3 G 2,5	20,2	723.0	819
0036445	3 X 25 + 3 G 4	23,8	1136.0	1325
0036446	3 X 35 + 3 G 6	26,9	1535.0	1718
0036447	3 X 50 + 3 G 10	32,6	2156.0	2399
0036448	3 X 70 + 3 G 10	36,4	2871.0	3056
0036449	3 X 95 + 3 G 16	42,0	3953.0	4162
0036450	3 X 120 + 3 G 16	47,8	4836.0	5074
0036451	3 X 150 + 3 G 25	51,6	5412.0	6128
0036479	3 X 185 + 3 G 35	56,5	7041.0	7500
0036453	3 X 240 + 3 G 50	65,1	8986.0	9770