

Servo applications

PVC sheath



ÖLFLEX® SERVO 2YSLCY-JB

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



Info

- EMC-optimised
- 3+3 symmetry reduces common-mode interference effects

Benefits

- Allows EN 61800-3-compliant, EMC-compliant installation of power drive systems
- For very large power drive systems

Application range

- Connecting cable between frequency converter and motor
- Paper industry
- Chemical industry
- Heavy industry

Product features

- Low capacitance design allows a longer cable connection between the frequency converter and the motor
- In dry, damp or wet interiors
- The 2YSLCYK black version can also be used outdoors under direct exposure to UV rays. Buried in the ground is also possible.
- Flame-retardant according to IEC 60332.1.2

Norm references / Approvals

- Based on VDE 0207 / 0250 / 0295

Product make-up

- Fine-wire strand made of bare copper wires
- Core insulation: PE
- Cores twisted concentrically (in protective conductors divided into three, this is between the gussets)
- Aluminium foil wrapped over the cores
- Screening: wrapped with braided tinned-copper wires
- 4-core design: transparent PVC outer sheath
- 3+3 core version: black PVC outer sheath, for outdoor use and direct burial

Technical data

Classification
ETIM 5.0 Class-ID: EC000057
ETIM 5.0 Class-Description: Low voltage power cable

Core identification code
Colours according to HD 308 S2 VDE 0293-308

Specific insulation resistance
> 20 GOhm x cm

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: 0.6/1kV

Test voltage
4000 V

Protective conductor
This is distributed evenly in the gussets in protective conductors that are divided into three

Temperature range
Flexing: -5°C to +70°C;
Black model: -15°C to +70°C
Fixed installation: -40°C to +70°C

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SERVO 2YSLCY-JB				
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	1,236.0	1860
0036432	4 G 35	29.5	1,662.0	2610
0036433	4 G 50	35.8	2,345.0	2950
0036434	4 G 70	40.3	3,196.0	3950
0036435	4 G 95	46.5	4,316.0	5300
0036436	4 G 120	53.2	5,435.0	6600
0036437	4 G 150	57.3	6,394.0	7043
0036438	4 G 185	62.3	7,639.0	8384
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
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	1,136.0	1325
0036446	3 X 35 + 3 G 6	26.9	1,535.0	1718
0036447	3 X 50 + 3 G 10	32.6	2,156.0	2399
0036448	3 X 70 + 3 G 10	36.4	2,871.0	3056
0036449	3 X 95 + 3 G 16	42.0	3,953.0	4162
0036450	3 X 120 + 3 G 16	47.8	4,836.0	5074
0036451	3 X 150 + 3 G 25	51.6	5,412.0	6128
0036479	3 X 185 + 3 G 35	56.5	7,041.0	7500
0036453	3 X 240 + 3 G 50	65.1	8,986.0	9770

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. 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 are not to scale and do not represent detailed images of the respective products.

Similar products

- ÖLFLEX® SERVO 9YSLCY-JB refer to page 96

Accessories

- SKINTOP® MS-SC-M refer to page 674
- SKINTOP® MS-M BRUSH refer to page 675