


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® SERVO 9YSLCY-JB	29.11.2013

EMC-optimised motor cable, low-capacitance, double-screened, approved
 Allows EN 61800-3-compliant, EMC-compliant installation of power drive systems
 For very large power drive systems
 EN/VDE 90 °C PP insulation



Interference signals

Info

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

Application range

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

Design

Fine-wire strand made of bare copper wires
 Core insulation: polypropylene (PP)
 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


Norm references / Approvals

UL reg. for the USA: AWM Style 2570 or 20886, 1 kV 80° VW-1UL reg. for CAN. AWM I/II A/B 1 kV 80° FT 1EU: based on VDE 0276, 0250, 0207
 UL File No. E63634

Product features

Low capacitance design allows a longer cable connection between the frequency converter and the motor
 In dry, damp or wet interiors
 9YSLCY black design: also for outdoor applications, as well as buried underground, but not for USA or Canada
 Flame-retardant according to IEC 60332-1-2 & CSA FT1

Product Management	Document: LAPP_PRO26478EN.pdf	1 / 3
--------------------	-------------------------------	-------

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® SERVO 9YSLCY-JB	29.11.2013

Remark

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

Copper price basis: EUR 150/100kg. 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 \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
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:	IEC U_0/U : 600/1000 V UL & CSA: 1000 V
Test voltage:	4000 V
Protective conductor:	This is distributed evenly in the gussets in protective conductors that are divided into three
Temperature range:	Flexing UL/CSA: -5 °C to +80 °C IEC: transparent model: -5 °C to +70 °C black model: -5 °C to +90 °C Fixed installation: UL/CSA: -40 °C to +80 °C IEC: transparent model: -40 °C to +80 °C black model: -40 °C to +90 °C

Product Management	Document: LAPP_PRO26478EN.pdf	2 / 3
--------------------	-------------------------------	-------



ÖLFLEX® SERVO 9YSLCY-JB

29.11.2013

Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® SERVO 9YSLCY-JB				
0037000	4 G 1,5	10,5	87.0	230
0037001	4 G 2,5	11,8	133.0	300
0037002	4 G 4	13,3	213.0	485
0037003	4 G 6	14,9	298.0	630
0037004	4 G 10	17,7	460.0	860
0037005	4 G 16	21,5	707.0	1290
0037006	4 G 25	26,3	1100.0	1860
0037007	4 G 35	29,7	1542.0	2610
0037008	4 G 50	34,1	2206.0	2950
0037009	4 G 70	40,9	3002.0	3950
0037010	4 G 95	45,4	4004.0	5300
0037011	4 G 120	49,8	5108.0	6600
0037012	4 G 150	56,1	6225.0	7043
0037013	4 G 185	61,4	7568.0	8384
0037014	4 G 240	67,9	9940.0	12150
0037015	3 X 1,5 + 3 G 0,25	11,4	88.0	140
0037016	3 X 2,5 + 3 G 0,5	12,9	130.0	220
0037017	3 X 4 + 3 G 0,75	13,6	224.0	323
0037018	3 X 6 + 3 G 1,0	15,2	276.0	420
0037019	3 X 10 + 3 G 1,5	17,4	511.0	615
0037020	3 X 16 + 3 G 2,5	20,0	751.0	819
0037021	3 X 25 + 3 G 4	24,3	1204.0	1325
0037022	3 X 35 + 3 G 6	27,5	1535.0	1718
0037023	3 X 50 + 3 G 10	31,1	2156.0	2399
0037024	3 X 70 + 3 G 10	37,1	2980.0	3056
0037025	3 X 95 + 3 G 16	40,0	3953.0	4162
0037026	3 X 120 + 3 G 16	42,6	4836.0	5074
0037027	3 X 150 + 3 G 25	50,0	5412.0	6128
0037028	3 X 185 + 3 G 35	55,6	7077.0	7820