OLFLEX® SERVO FD LK-INX

Continuous Flex Servo Cable according to Indramat Standard INK

OLFLEX® SERVO FD LK-INK is a highly flexible, oil resistant, UL, CSA, & CE power w/ pairs and feedback/signal cable in accordance with Indramat standards. It is designed for continuous flex use and can be provided as a complete assembly.

Recommended Applications:
Motor connections for Servo motors, Machine tool, Food & beverage, Automotive, Pick-n-place, Packaging industry, Multi axis machinery and Material handling

Application Advantage:
- Built in accordance with Indramat standard INK
- Travel distance for flexing up to 328 ft (horizontal)
- All cables have an overall shield for EMI/RFI protection
- Halogen-free and very good cold temperature performance
- The cable can be provided as a complete assembly. Please call the factory for price and availability

OLFLEX® SERVO LK-INX Construction:

Finely stranded copper conductors; pairs are insulated with special elastomeric material; power conductors insulated with TPE; pairs in servo cables shielded with aluminum foil and tinned copper shield (not all pairs are shielded for feed-back cables); overall tinned copper braid (85% coverage); specially formulated polyurethane jacket.

Feedback/ Signal Cables:

Servo Cables:

Assemblies available, see Page 626

Cable Attributes, See Page 653

Oil Resistance: OR-05

Flame Resistance: FR-02

Motion Type: CF-02

Mechanical Properties: MP-05

Availability:

Standard put-ups are 164ft, 328ft, 1640ft, and 3280ft. Bulk reels can be cut to length.

Complete the installation with:

SKINTOP® Strain Relief: Page 486

EPIC® Connectors: Page 251

EPIC® CIRCON: Page 407

OLFLEX® Tubing: Page 546

Technical Data:

Minimum Bending Radius:	
- Signal:	10 x cable diameter
- Servo:	7.5 x cable diameter
Temperature Range:	
- Signal:	-30°C to +80°C
- Servo:	-10°C to +80°C
Nominal Voltage:	
- Supply Conductors:	600/1000V
- Feedback/ Signal Cables:	300V
Conductor Stranding:	Extra Fine Strands in acc. with IEC 60228 Cl. 6

Color Code:	Black with white numbers plus green/yellow ground	
- Signal Pairs:	Black with White numbers 5/6, 7/8	
- Feedback Cables:	See next page	
Approvals:		
- Power Cables:	UL:	AWM Style20234
	CSA:	AWM II A/B FT1
- Feedback Cables:	UL:	AWM 20236
	CSA:	AWM II A/B FT1

Lapp Part Number refer to Lapp genuine products. The Bosch Rexroth Part Number (INK/ ING/ INK/ INS, registered trade marks of Bosch Rexroth AG) are only mentioned for information purposes.

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Part Number	AWG + Number of Conductors	Indramat Part Number	Nominal Outer Diameter inches	Nominal Outer Diameter mm	Copper Weight lbs/mft	Approx. Weight lbs/mft	Approx. Weight kg/km
Feedback/Signal Cables							
7072400	24 AWG/ 4pr + 18 AWG/ 2c	INK-0209	.346	8.8	50	84	120
7072401	24 AWG/ 4pr + 20 AWG/ 2c	INK-0448	.335	8.5	47	81	100
7072402	20 AWG/ 9c	INK-0208	.346	8.8	44	85	126
7072414	18 AWG/ 4c + 26 AWG/ 4pr + 26 AWG/ 4c	INK-0532	.381	9.7	54	94	140
7072415	24 AWG/ 2pr (ISP) + 20 AWG/ 2c	INK-0234	.343	8.7	31	60	90
7072416	24 AWG/ 2pr + 20 AWG/ 2c	INK-0750	.299	7.6	30	62	92
Servo Cables							
7072417	19 AWG/ 4c + 20 AWG/ 1pr	INK-0670	.394	10.0	73	89	132
7072403	18 AWG/ 4c +19 AWG/ 2pr	INK-0653	.453	11.5	114	152	226
7072404	16 AWG/ 4c +19 AWG/ 2pr	INK-0650	.480	12.2	127	180	268
7072405	14 AWG/ 4c +18 AWG/ 2pr	INK-0602	.594	15.1	142	215	320
7072406	12 AWG/ 4c +18 AWG/ 1pr + 16 AWG/ 1pr	INK-0603	.630	16.0	206	316	470
7072407	10 AWG/ 4c +18 AWG/ 1pr + 16 AWG/ 1pr	INK-0604	.740	18.8	246	403	600
7072408	8 AWG/ 4c +18 AWG/ 1pr + 16 AWG/ 1pr	INK-0605	.866	22.0	380	571	850
7072409	6 AWG/ 4c +16 AWG/ 2pr	INK-0606	.992	25.2	450	685	1020
7072410	4 AWG/ 4c +16 AWG/ 2pr	INK-0607	1.102	28.0	655	954	1420
7072411	2 AWG/ 4c +16 AWG/ 2pr	INK-0667	1.201	30.5	1048	1502	2236
7072412	1 AWG/ 4c +16 AWG/ 2pr	INK-0668	1.457	37.0	1478	2049	3050

Lapp Part Numbers refer to genuine Lapp products. The Siemens Part Numbers (6FX5002/ 5008, 6FX 7002/ 7008, 6FX8002/ 8008, registered trademarks of Siemens AG) are for informational purposes only. DESINA® is a registered trademark of the Association of German Machine Tool Manufacturers.

Color Code for Feedback Cables

Part Number	Color Code
7072400	24 AWG/ 4pr: Brown/Green, Gray/Pink, Blue/Violet, Red/Black 18 AWG/ 2c: White, Brown
7072401	24 AWG/ 4pr: Brown/Green, Gray/Pink, Blue/Violet, Red/Black 20 AWG/ 2c: White, Brown
7072402	20 AWG/ 9c: Green, Brown, Gray, Yellow, Black, Blue, Red, White, Pink
7072414	26 AWG/ 4c: Yellow/Black, Brown/Black, Green/Black, Red/Black 26 AWG/ 4pr: Red & Black, Brown & Green, Yellow & Violet, White & Green 18 AWG/ 4c: White, Brown/Green, White/Green, Blue
7072415	24 AWG/ 2pr: White & Brown, Gray & Pink 20 AWG/ 2c: Pink, Gray
7072416	24 AWG/ 2pr: Red & Black, Gray & Pink 20 AWG/ 2c: White, Brown
7072417	20 AWG/ 3c: 3- Black numbered 1, 2, 3 and green/yellow ground 19 AWG/ 2c: 2- Black numbered 5,6