

OLFLEX® SERVO FD LK-INX



Continuous Flex Servo Cable
according to Indramat Standard INK

OLFLEX® SERVO FD LK-INX 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 feedback cables); overall tinned copper braid (85% coverage); specially formulated polyurethane jacket.

Feedback/ Signal Cables:



Servo Cables:



Assemblies available, see Page 626



<p>Cable Attributes, See Page 653</p> <p>Oil Resistance: OR-05</p> <p>Motion Type: CF-01</p> <p>Flame Resistance: FR-02</p> <p>Mechanical Properties: MP-05</p>	<p>Availability:</p> <p>Standard put-ups are 164ft, 328ft, 1640ft, and 3280ft. Bulk reels can be cut to length.</p>	<p>Complete the installation with:</p> <p>SKINTOP® Strain Relief: Page 486</p> <p>EPIC® Connectors: Page 251</p> <p>EPIC® CIRCON: Page 407</p> <p>OLFLEX® Tubing: Page 546</p>
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Technical Data:

<p> Minimum Bending Radius:</p> <ul style="list-style-type: none"> - Signal: 10 x cable diameter - Servo: 7.5 x cable diameter 	<p> Color Code:</p> <ul style="list-style-type: none"> - Signal Pairs: Black with white numbers plus green/yellow ground - Feedback Cables: Black with White numbers 5/6, 7/8
<p> Temperature Range:</p> <ul style="list-style-type: none"> - Signal: -30°C to +80°C - Servo: -10°C to +80°C 	<p> Approvals:</p> <ul style="list-style-type: none"> - Power Cables: UL: AWM Style20234 CSA: AWM II A/B FT1
<p> Nominal Voltage:</p> <ul style="list-style-type: none"> - Supply Conductors: 600/1000V - Feedback/ Signal Cables: 300V 	<ul style="list-style-type: none"> - Feedback Cables: UL: AWM 20236 CSA: AWM II A/B FT1
<p> Conductor Stranding: Extra Fine Strands in acc. with IEC 60228 Cl. 6</p>	

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		Copper Weight lbs/mft	Approx. Weight		
			inches	mm		lbs/mft	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