

ÖLFLEX® SERVO FD LK-INX



Continuous Flex Servo Cable
according to Indramat Standard INK

ÖLFLEX® SERVO FD LK-INX is a highly flexible, oil-resistant, UL, CSA & CE rated 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, and packaging industries; multi-axis machinery; 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

ÖLFLEX® 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.

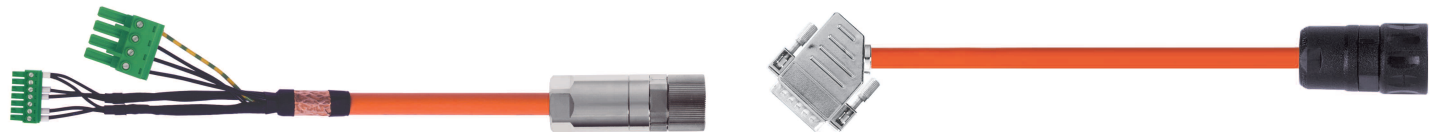
Feedback/ Signal Cables:



Servo Cables:









Assemblies available, see Page 626



<p>Cable Attributes, See Page 653</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>Oil Resistance: OR-05</p> </div> <div style="width: 30%;">  <p>Flame Resistance: FR-02</p> </div> <div style="width: 30%;">  <p>Motion Type: CF-02</p> </div> <div style="width: 30%;">  <p>Mechanical Properties: MP-05</p> </div> </div>	<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> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>SKINTOP® Strain Relief: Page 486</p> </div> <div style="width: 30%;">  <p>EPIC® Connectors: Page 251</p> </div> <div style="width: 30%;">  <p>EPIC® CIRCON: Page 407</p> </div> </div>
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Technical Data:

<p> Minimum Bending Radius: - Signal: 10 x cable diameter - Servo: 7.5 x cable diameter</p> <p> Temperature Range: - Signal: -30°C to +80°C - Servo: -10°C to +80°C</p> <p> Nominal Voltage: - Supply Conductors: 600 / 1000 V - Feedback/Signal Cables: 300 V</p> <p> Conductor Stranding: Class 6 Extra Fine Wire</p>	<p> 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</p> <p> Approvals: UL: - AWM 20234 (Servo cables) - AWM 20236 (Feedback cables) CSA: - AWM II A/B FT1 Additional: - CE & RoHS</p>
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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	.382	9.7	54	94	140	
7072415	24 AWG/2pr + 21 AWG/2c	INK-0234	.343	8.7	31	60	90	
7072416	24 AWG/2pr + 21 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/pr: Red & Black, Gray & Pink 20 AWG/2c: White, Brown
7072417	20 AWG/3c: 3 Black numbered 1, 2, 3 + Green/Yellow ground 19 AWG/2c: 2 Black numbered 5, 6