

OLFLEX® SERVO LK-SMS-FX5

Flexible Servo Cable for Stationary Applications
according to Siemens Standard 6FX-5008



OLFLEX® SERVO LK-SMS-FX5 is a flexible, oil resistant, UL, CSA, VDE & CE power supply, feedback and signal cable in accordance with Siemens standards. It is designed for stationary use and can be provided as a complete assembly.

Recommended Applications:

Motor connections for servo motors, Food & beverage, Automotive and Packaging industry

Application Advantage:

- Built in accordance with Siemens standard 6FX-5008
- Signal cables are green and motor cables are orange in conformance with DESINA®
- All cables have an overall shield for EMI/RFI protection
- The cable can be provided as a complete assembly. Please call the factory for price and availability

OLFLEX® SERVO LK-SMS-FX5 Construction:

Finely stranded copper conductors; pairs are insulated with special elastomeric material; power conductors insulated with PVC; pairs shielded with aluminum foil and tinned copper shield (not all pairs are shielded for feedback cables); overall tinned copper braid (85% coverage), specially formulated PVC jacket.

Feedback/ Signal Cables:



Motor & Servo Cables:



Cable Attributes, See Page 653			
	Oil Resistance: OR-03		Flame Resistance: FR-02
	Motion Type: FL-01		Mechanical Properties: MP-01

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
	OLFLEX® Tubing: Page 546		EPIC® CIRCON: Page 406

Technical Data:

	Minimum Bending Radius: for flexible use:	5 x cable diameter		Conductor Stranding:	Extra fine strands of plain copper wires IEC 60228 Cl.6
	Temperature Range:	-20°C to +80°C		Color Code:	Black with white numbers plus green/ yellow ground Signal pair in servo is white & black Feedback cable see next page
	Nominal Voltage: - Feedback/ Signal Cable: - Motor & Servo Cable:	250V 1000V		Approvals: - Power Cables: - Feedback Cables:	UL: AWM Style 2570 CSA: AWM II A/B FT1 UL: AWM 2502 CSA: AWM II A/B FT1

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.

OLFLEX® SERVO LK-SMS-FX5

Flexible Servo Cable for Stationary Applications
according to Siemens Standard 6FX-5008



Part Number	AWG + Number of Conductors	Siemens Part Number	Nominal Outer Diameter inches mm	Copper Weight lbs/mft	Approx. Weight lbs/mft kg/km
Feedback/Signal Cables- Green					
0025724	22 AWG/ 4pr + 20 AWG/ 4c	6FX5008-1BD21	.354 9.0	51	81 120
0025725	26 AWG/ 3pr (ISP) + 26 AWG/ 4c + 20 AWG/ 1pr	6FX5008-1BD41	.350 8.9	42	67 100
0025726	26 AWG/ 3pr (ISP) + 26 AWG/ 4c + 20 AWG/ 1pr + 24 AWG/ 4c	6FX5008-1BD51	.374 9.5	46	93 139
Motor Cables- Orange					
0025700	16 AWG/ 4c	6FX5008-1BB11	.382 9.7	59	88 131
0025701	14 AWG/ 4c	6FX5008-1BB21	.437 11.1	89	147 219
0025702	12 AWG/ 4c	6FX5008-1BB31	.508 12.9	131	210 312
0025703	10 AWG/ 4c	6FX5008-1BB41	.598 15.2	188	255 380
0025704	8 AWG/ 4c	6FX5008-1BB51	.760 19.3	299	417 620
0025705	6 AWG/ 4c	6FX5008-1BB61	.917 23.3	480	712 1060
0025706	4 AWG/ 4c	6FX5008-1BB25	1.059 26.9	746	1102 1640
0025707	2 AWG/ 4c	6FX5008-1BB35	1.193 30.3	1035	1552 2310
0025708	1 AWG/ 4c	6FX5008-1BB50	1.437 36.5	1451	2177 3240
0025709	2/0 AWG/ 4c	6FX5008-1BB70	1.614 41.0	1982	2973 4425
0025710	3/0 AWG/ 4c	6FX5008-1BB95	1.957 49.7	2742	4112 6120
0025711	4/0 AWG/ 4c	6FX5008-1BB12	2.126 54.0	3407	5110 7605
0025712	300 KCMIL/ 4c	6FX5008-1BB15	2.402 61.0	4070	6105 9086
0025713	350 KCMIL/ 4c	6FX5008-1BB18	2.528 64.2	4907	7360 10955
0025714	500 KCMIL/ 4c	6FX5008-1BB24	2.756 70.0	6599	9897 14730
Servo Cables- Orange					
0025715	16 AWG/ 4c +16 AWG/ 1pr	6FX5008-1BA11	.500 12.7	101	167 248
0025716	14 AWG/ 4c +16 AWG/ 1pr	6FX5008-1BA21	.543 13.8	130	208 310
0025717	12 AWG/ 4c +16 AWG/ 1pr	6FX5008-1BA31	.610 15.5	183	299 445
0025718	10 AWG/ 4c +16 AWG/ 1pr	6FX5008-1BA41	.650 16.5	236	372 554
0025719	8 AWG/ 4c +16 AWG/ 1pr	6FX5008-1BA51	.827 21.0	360	542 806
0025720	6 AWG/ 4c +16 AWG/ 1pr	6FX5008-1BA61	.917 23.3	519	729 1085
0025721	4 AWG/ 4c +16 AWG/ 1pr	6FX5008-1BA25	1.114 28.3	743	1132 1685
0025722	2 AWG/ 4c +16 AWG/ 1pr	6FX5008-1BA35	1.236 31.4	987	1481 2204
0025723	1 AWG/ 4c +16 AWG/ 1pr	6FX5008-1BA50	1.437 36.5	1357	2036 3030

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.

ISP= Individually Shielded Pairs

Color Code for Feedback Cables

Part Number	Color Code
0025724	22 AWG/ 4pr: Brown/Black, Red/Orange, Yellow/Green, Blue/Violet 20 AWG/ 4c: Blue & White, Black & White, Red & White, Yellow & White
0025725	26 AWG/ 3pr: Yellow/Green, Black/Brown, Red/Orange 26 AWG/ 4c: Gray & Blue, White & Yellow, White & Black 20 AWG/ 1pr: Brown/Red paired with Brown/Blue
0025726	26 AWG/ 3pr: Yellow/Green, Black/Brown, Red/Orange 26 AWG/ 4c: Gray & Blue, White & Yellow, White & Black 20 AWG/ 1pr: Brown/Red paired with Brown/Blue 24 AWG/ 4c: Brown & Yellow, Brown & Gray, Green & Black, Green & Red