

Servo Cable according to INDRAMAT® Standard INK

Continuous Flex Servo Cable with PUR Jacket; Shielded



Servo cables according to INDRAMAT® Standard INK are highly flexible, oil-resistant, and are UL, CSA, and CE rated. Power cables with pairs and feedback/signal cables are in accordance to INDRAMAT standards.

Construction

Conductors: Finely stranded bare copper

Insulation: Pairs & power conductors: TPE

Pairs: Shielded with foil and tinned copper (not all feedback pairs are shielded)

Shielding: Tinned copper braid

Jacket: Polyurethane; orange

Recommended Applications

Motor connections for servo motors; machine tools; food & beverage, automotive, and packaging industries for continuous flexing cable chain

Application Advantage

- Built in accordance with INDRAMAT® standards
- Overall shield for EMI & RFI protection
- Abrasion-, oil-, and cut-resistant, halogen-free jacket
- Cables can be provided as a complete assembly

Approvals



Cable Attributes		page 640	
OIL	OR-05	FLAME	FR-02
MOTION	CF-02	MECH.	MP-05

Complete the Installation	
SKINTOP® MS-SC page 516	EPIC® Connectors page 428

ÖLFLEX® CONNECT Solution	
ÖLFLEX® CONNECT SERVO page 599	

Technical Data

<p> Minimum Bend Radius:</p> <ul style="list-style-type: none"> - Feedback/signal cables: 10 x cable diameter - Servo/motor cables: 7.5 x cable diameter <p> Temperature Range:</p> <ul style="list-style-type: none"> - for continuous flexing: -30°C to +80°C - for stationary use: -50°C to +80°C <p> Nominal Voltage:</p> <ul style="list-style-type: none"> - Feedback/signal cond.: 300V - Power/control conductors: 1000V 	<p> Conductor Stranding: Class 6 super fine wire</p> <p> Color Code:</p> <ul style="list-style-type: none"> - Feedback cables: See following color chart - Power conductors: Black with white numbers: 1, 2, 3 plus green/yellow ground - Control pairs: Black with white numbers: 5/6, 7/8 <p> Approvals:</p> <ul style="list-style-type: none"> UL: AWM 20234 (servo/motor) AWM 20236 (signal) Canada: CSA AWM I/II A/B FT1 Additional: CE & RoHS
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Color Code: Feedback/Signal Cable

Part Number	Size / Number of Conductors	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 (Shield: metallized foil + tinned copper braid)	yellow/black – blue/black – green/black – red/black
	26 AWG/4pr	red & black – brown & green – yellow & violet – gray & pink
	18 AWG/4c	white – brown/green – white/green – blue
7072415* Drain wire under overall braid shield	2 x (24 AWG/1pr) (Shield: metallized foil + tinned copper braid)	white & brown – green & yellow
	20 AWG/2c	pink – gray
7072416* Drain wire under overall braid shield	24 AWG/2pr	red & black – gray & pink
	20 AWG/2c	white – brown

Part Number	Size / Number of Conductors	INDRAMAT® Part Number	Nominal Outer Diameter		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	SKINTOP® MS-MC PG Thread	SKINTOP® MS-M BRUSH Metric Thread
			(in)	(mm)				
Feedback/Signal Cables								
7072400	24 AWG/4pr + 18 AWG/2c	INK-0209	0.347	8.8	50	81	53112220	–
7072401	24 AWG/4pr + 20 AWG/2c	INK-0448	0.335	8.5	47	67	53112220	–
7072402	20 AWG/9c	INK-0208	0.347	8.8	50	85	53112220	–
7072414	18 AWG/4c + 26 AWG/4pr + (26 AWG/4c)	INK-0532	0.382	9.7	54	94	53112220	53112676
7072415	2 x (24 AWG/1pr) + 20 AWG/2c	INK-0234	0.343	8.7	31	60	53112220	–
7072416	24 AWG/2pr + 20 AWG/2c	INK-0750	0.299	7.6	24	62	53112210	–
Servo/Motor Cables								
7072417	19 AWG/4c + 20 AWG/1pr	INK-0670	0.394	10.0	49	89	53112230	53112676
7072403	18 AWG/4c + 2 x (19 AWG/1pr)	INK-0653	0.453	11.5	114	152	53112240	53112676
7072404	16 AWG/4c + 2 x (19 AWG/1pr)	INK-0650	0.481	12.2	127	180	53112240	53112676
7072405	14 AWG/4c + 2 x (18 AWG/1pr)	INK-0602	0.595	15.1	142	215	53112250	53112676
7072406	12 AWG/4c + (18 AWG/1pr) + (16 AWG/1pr)	INK-0603	0.630	16.0	206	316	53112250	53112676
7072407	10 AWG/4c + (18 AWG/1pr) + (16 AWG/1pr)	INK-0604	0.741	18.8	246	403	53112260	53112677
7072408	8 AWG/4c + (18 AWG/1pr) + (16 AWG/1pr)	INK-0605	0.867	22.0	380	571	53112260	53112678
7072409	6 AWG/4c + 2 x (16 AWG/1pr)	INK-0606	0.993	25.2	563	685	53112270	53112678
7072410	4 AWG/4c + 2 x (16 AWG/1pr)	INK-0607	1.103	28.0	827	954	53112270	53112679

() = shielded

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