

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 648	
OIL	OR-05	FLAME	FR-02
MOTION	CF-02*	MECH.	MP-05

Complete the installation	
EPIC® POWER LS1 page 441	EPIC® SIGNAL M23 page 446

ÖLFLEX® CONNECT solution	
ÖLFLEX® CONNECT SERVO page 607	

Technical data

Minimum bend radius: - feedback/signal cables: 10 x cable diameter - servo/motor cables: 7.5 x cable diameter	Conductor stranding: Class 6 super fine wire
Temperature range: - for continuous flexing: -30°C to +80°C - for stationary use: -50°C to +80°C	Color code: - 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
Nominal voltage: - feedback/signal cond.: 300V - power/control conductors: 1000V	Approvals: UL: AWM 20234 (servo/motor) AWM 20236 (signal) Canada: CSA AWM I/II A/B FT1 Additional: CE & RoHS *UL Verified ID A522492: Continuous Flex Test Method Verified

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color code: feedback/signal cable

Part number	Conductor description	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

Part number	Conductor description	Color code
7072414	26 AWG/4c	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*	2 x (24 AWG/1pr)	white & brown • green & yellow
	20 AWG/2c	pink • gray
7072416*	24 AWG/2pr	red & black • gray & pink
	20 AWG/2c	white • brown

Part number	Conductor description	INDRAMAT® part number	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	EPIC® POWER LS1* configuration	EPIC® SIGNAL M23 # of contacts
			in	mm				
Feedback/signal cables								
7072400	24 AWG/4pr + 18 AWG/2c	INK-0209	0.347	8.8	50	81	—	12
7072401	24 AWG/4pr + 20 AWG/2c	INK-0448	0.335	8.5	47	67	—	12
7072402	20 AWG/9c	INK-0208	0.347	8.8	50	85	—	9
7072414	18 AWG/4c + 26 AWG/4pr + (26 AWG/4c)	INK-0532	0.382	9.7	54	94	—	16
7072415	2 x (24 AWG/1pr) + 20 AWG/2c	INK-0234	0.343	8.7	31	60	—	6
7072416	24 AWG/2pr + 20 AWG/2c	INK-0750	0.299	7.6	24	62	—	9
Servo/motor cables								
7072417	19 AWG/4c + 20 AWG/1pr	INK-0670	0.394	10.0	49	89	3+PE+4	—
7072403	18 AWG/4c + 2 x (19 AWG/1pr)	INK-0653	0.453	11.5	114	152	3+PE+4	—
7072404	16 AWG/4c + 2 x (19 AWG/1pr)	INK-0650	0.481	12.2	127	180	3+PE+4	—
7072405	14 AWG/4c + 2 x (18 AWG/1pr)	INK-0602	0.595	15.1	142	215	3+PE+4	—
7072406	12 AWG/4c + (18 AWG/1pr) + (16 AWG/1pr)	INK-0603	0.630	16.0	206	316	3+PE+4	—
7072407	10 AWG/4c + (18 AWG/1pr) + (16 AWG/1pr)	INK-0604	0.741	18.8	246	403	—	—
7072408	8 AWG/4c + (18 AWG/1pr) + (16 AWG/1pr)	INK-0605	0.867	22.0	380	571	—	—
7072409	6 AWG/4c + 2 x (16 AWG/1pr)	INK-0606	0.993	25.2	563	685	—	—
7072410	4 AWG/4c + 2 x (16 AWG/1pr)	INK-0607	1.103	28.0	827	954	—	—

() = shielded

* Check connection on motor prior to selecting EPIC® POWER LS1 connector type

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