

ÖLFLEX® SERVO FD 7FTC

Continuous flex encoder/feedback cable

LAPP KABEL STUTTGART ÖLFLEX® SERVO FD 7FTC

ÖLFLEX® SERVO FD 7FTC is an encoder cable for use with servo motors. Continuous flex and oil resistant cable suitable for mounting from cable track to tray. Low capacitance insulation ideal for long cable runs. Many popular configurations available, including for Rockwell and Siemens servo drives.

Recommended applications

Connecting cable between servo controller and encoder/resolver; connecting cable between servo controller and motor via cable chains. Cable used in machine parts, transfer lines, and production lines.

Approvals



Cable attributes		page 648	
OIL	OR-03	FLAME	FR-03
MOTION	CF-02*	MECH.	MP-03

Construction

Conductors: finely stranded tinned copper

Pairs: twisted and bundled; shielded (see chart)

Insulation: XLPE (Plus)

Shielding: tinned copper braid (85% coverage)

Jacket: specially formulated thermoplastic elastomer (TPE); green, orange

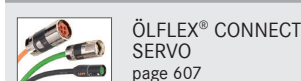
Application advantage

- One cable solution, from tray to track
- Low capacitance insulation for improved signal transmission over long distances
- Resistant to wide range of disinfecting solutions used in the food, beverage, chemical and related industries, according to ECOLAB® PM 40-1 test procedure.

Complete the installation



ÖLFLEX® CONNECT solution



Technical data

Minimum bend radius:
- for continuous flexing: 10 x cable diameter

Temperature range:
- for stationary use: -40°C to +90°C
- for continuous flexing: -25°C to +90°C

Nominal voltage:
UL/CSA: 300V
UL/CSA AWM: 1000V

Test voltage: 2000V

Conductor stranding: fine wire

Color code: see color chart next page

Approvals: UL: AWM 22022 per UL 758
PLTC per UL 13 (22AWG to 16AWG only)
ITC per UL2250 (22AWG to 16AWG only)
CMG per UL 444
cRU: AWM II A/B FT4 per CSA C22.2 No210
c(UL): CMG per CSA C22.2 No214
Additional: NEC articles 725, 727, and 800
NFPA 79
RoHS directive

*UL Verified ID A522492: Continuous Flex Test Method Verified

Part number	Construction		Jacket color	Approvals	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft	EPIC® SIGNAL M23 # of contacts
	conductors	pairs			in	mm			
1034110	16 AWG/1pr + 26 AWG/6pr + 22AWG/1pr		green	CMG, AWM	0.434	11.0	51	94	16
1034111	22 AWG/5pr		green	PLTC, ITC, CMG, AWM	0.368	9.3	40	80	12
1034112	20 AWG/2c	24 AWG/4pr	orange	CMG, AWM	0.324	8.2	32	60	12
1034113	20 AWG/4c	22 AWG/4pr	green	PLTC, ITC, CMG, AWM	0.400	10.2	50	94	12
1034114	20 AWG/2c + 26 AWG/4c	3 x (26AWG/1pr)	green	CMG, AWM	0.355	9.0	43	80	12
1034115	18 AWG/1pr + 24 AWG/4pr		orange	CMG, AWM	0.344	8.7	39	74	12
1034116	20 AWG/2c + 26AWG/4c	3 x (26AWG/1pr)	green	CMG, AWM	0.367	9.3	47	87	16
1034117	20 AWG/2c	24 AWG/2pr	green	CMG, AWM	0.274	7.0	24	47	12
1034118	(18 AWG/2c)	4 x (26 AWG/1pr)	green	CMG, AWM	0.383	9.7	56	94	12
1034119	18 AWG/4c + (26AWG/4c)	26 AWG/4pr	orange	CMG, AWM	0.405	10.3	61	100	16
1034120	20 AWG/5c	26 AWG/2pr	green	CMG, AWM	0.308	7.8	42	67	9
1034121	20 AWG/9c		green	PLTC, ITC, CMG, AWM	0.393	10.0	61	100	9
1034122	2 x (20 AWG/1C)	3 x (26AWG/1PR)	green	CMG, AWM	0.342	8.7	40	73	9

() = foil and tinned copper spiral shield (90% coverage)

All designs have an overall tinned copper Braid Shield (85% coverage)

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section.

If not otherwise specified, all values relating to the product are nominal values.

Photographs are not to scale and are not true representations of the products in question.