

# **ÖLFLEX® SERVO 7TCE**

# Flexible tray-rated servo cable; 600/1000V; UL TC-ER approval



### LAPP KABEL STUTTGART ÖLFLEX® SERVO 7TCE

ÖLFLEX® SERVO 7TCE is a highly flexible and oil resistant servo cable suitable for mounting either in equipment or in cable tray, eliminating the need for two different types of cable in a single run. A longer cable connection is possible between the drive and the motor due to its low-capacitance design. This one cable solution is ideal for installing power to servo motor systems.

#### Construction

Conductors: finely stranded bare copper

Insulation: XLPE

Pairs: one pair: shielded with foil & tinned copper braid (85% coverage) • two Pairs: individually shielded with foil, drain wire, tinned copper braid (85% coverage); twisted together

Shielding: overall tinned copper braid (85% coverage)

<u>Jacket:</u> specially formulated thermoplastic elastomer (TPE); orange

#### Recommended applications

Motor connections between servo controller and motors on industrial machinery; in tray applications and moving machine parts; assembly handling and production lines with North American and European approvals

### Application Advantage

- Tray rated cable for servo applications
- · Low capacitance design
- UL TC-ER & c(UL) CIC approvals

Attributes:

- · Oil & UV resistant; flame retardant
- · Resistant to a wide range of disinfecting solutions used in the food, beverage, chemical and related industries, according to ECOLAB® PM 40-1 test procedure

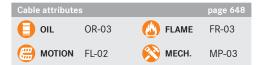
### Approvals















#### Technical data

Minimum bend radius: 6 x cable diameter ✓ Approvals: UL: TC-ER per UL 1277

Temperature range:

- for stationary use: -40°C to +105°C - UL TC: -25°C to +90°C

7 Nominal voltage:

- UL TC-ER: 600V - UL Flexible Motor Supply: 1000V - VDE U<sub>0</sub>/U: 600/1000V

小 Test voltage: 2000V

Conductor stranding: Class 5 fine wire

Color code:

- power conductors: black conductors with white letters:

U/L1/C/L+; V/L2; W/L3/D/L-

plus green/yellow ground

black & white - 1 pair:

- 2 pair: black with white numbers: 5, 6, 7, 8

Flexible Motor Supply 1000V

NEC: Class 1 Division 2 per NEC Article 501

-40°C cold bend; -25°C cold impact

UL Oil Res I/II

**UV** resistant direct burial NFPA 79

Canada: c(UL) CIC FT4 (18 - 14 AWG)

Additional: CE & RoHS

cRU AWM II A/B FT4





# Flexible cable for drives, motors & assemblies

# Servo cable

# ÖLFLEX® SERVO 7TCE

Part number	Conductor description			Nominal outer diameter		Copper weight	Approx. weight	EPIC® POWER LS1*
	ļ ļ	ower cond	uctors + control pairs	in	mm	lbs/mft	lbs/mft	configuration
4 power conductors	S							
700730	16 AWG/4c		_	0.385	9.78	59	96	5+PE
700731	14 AWG/4c		_	0.433	11.00	89	134	5+PE
700732	12 AWG/4c		_	0.504	12.80	134	192	5+PE
700733	10 AWG/4c		_	0.555	14.10	189	251	_
4 power conductors + 1 control pair								
700734	16 AWG/4c	+	(16 AWG/1pr)	0.494	12.55	99	161	3+PE+4
700735	14 AWG/4c	+	(16 AWG/1pr)	0.524	13.31	128	202	3+PE+4
700736	12 AWG/4c	+	(16 AWG/1pr)	0.620	15.75	174	290	3+PE+4
700737	10 AWG/4c	+	(16 AWG/1pr)	0.669	17.00	238	333	_
4 power conductors	s + 2 control pairs							
700738	18 AWG/4c	+	2 x (18 AWG/1pr)	0.520	13.21	112	186	3+PE+4
700739	16 AWG/4c	+	2 x (18 AWG/1pr)	0.547	13.89	126	211	3+PE+4
700740	14 AWG/4c	+	2 x (18 AWG/1pr)	0.610	15.49	154	260	3+PE+4
700741	12 AWG/4c	+	(18 AWG/1pr) + (16 AWG/1pr)	0.669	17.00	219	327	3+PE+4
700742	10 AWG/4c	+	(18 AWG/1pr) + (16 AWG/1pr)	0.712	18.08	275	386	_

<sup>( ) =</sup> shielded

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