

ÖLFLEX® SERVO 7TCE

Flexible 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. It is resistant to a wide range of disinfecting solutions used in the food, beverage, chemical and related industries*. This one cable solution is ideal for installing power to servo motor systems.

* Third-party agency tested to ECOLAB® PM 40-1 test procedure

Recommended Applications

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

Approvals



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)

Jacket: Specially formulated thermoplastic elastomer (TPE); orange

Application Advantage

- Tray rated cable for servo applications
- Low capacitance design
- Industrial grade jacket designed for harsh environments
- UL TC-ER & c(UL) CIC approvals
- Oil & UV resistant; flame retardant

Cable Attributes	Complete the Installation	ÖLFLEX® CONNECT Solution
OIL OR-03 FLAME FR-03 MOTION FL-02 MECH. MP-03	SKINTOP® MS-SC EPIC® POWER LS1	ÖLFLEX® CONNECT SERVO

Technical Data

Minimum Bend Radius:	6 x cable diameter	Approvals:	UL: TC-ER per UL 1277 Flexible motor supply 1000V
Temperature Range:	- for stationary use: -40°C to +105°C - UL TC: -25°C to +90°C		Attributes: UL Oil Res I/II -40°C Cold Bend; -25°C Cold Impact UV resistant Direct burial NFPA 79 2015
Nominal Voltage:	- UL TC-ER: 600V - UL Flexible Motor Supply: 1000V		NEC: Class 1 Division 2 per NEC Articles 336, 501
Test Voltage:	2000V		Canada: c(UL) CIC FT4 (18 - 14 AWG) cRU AWM II A/B FT4
Conductor Stranding:	Class 5 fine wire		Additional: CE & RoHS
Color Code:	- power conductors: black conductors with white letters: U/L1/C/L+; V/L2; W/L3/D/L- plus green/yellow ground		
	- 1 pair: black & white		
	- 2 pair: black with white numbers: 5, 6, 7, 8		

Photographs are not to scale and are not true representations of the products in question. If not otherwise specified, all values relating to the product are nominal values. For current information, visit our website.

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Part Number	Size / Number of Conductors		Nominal Outer Diameter		Copper Weight lbs/mft	Approx. Weight lbs/mft	SKINTOP® MS-SC PG thread	SKINTOP® MS-M BRUSH metric thread	
	power conductors	+ control pairs	in	mm					
4 power conductors									
700730	16 AWG/4c	—	0.385	9.78	59	96	53112230	53112676	
700731	14 AWG/4c	—	0.433	11.00	89	134	53112240	53112676	
700732	12 AWG/4c	—	0.504	12.80	134	192	53112240	53112676	
700733	10 AWG/4c	—	0.555	14.10	189	251	53112250	53112676	
4 power conductors + 1 control pair									
700734	16 AWG/4c	+	(16 AWG/1pr)	0.494	12.55	99	161	53112240	53112676
700735	14 AWG/4c	+	(16 AWG/1pr)	0.524	13.31	128	202	53112240	53112676
700736	12 AWG/4c	+	(16 AWG/1pr)	0.620	15.75	174	290	53112250	53112047
700737	10 AWG/4c	+	(16 AWG/1pr)	0.669	17.00	238	333	53112250	53112047
4 power conductors + 2 control pairs									
700738	18 AWG/4c	+	2 x (18 AWG/1pr)	0.520	13.21	112	186	53112240	53112676
700739	16 AWG/4c	+	2 x (18 AWG/1pr)	0.547	13.89	126	211	53112250	53112676
700740	14 AWG/4c	+	2 x (18 AWG/1pr)	0.610	15.49	154	260	53112250	53112677
700741	12 AWG/4c	+	(18 AWG/1pr) + (16 AWG/1pr)	0.669	17.00	219	327	53112250	53112677
700742	10 AWG/4c	+	(18 AWG/1pr) + (16 AWG/1pr)	0.712	18.08	275	386	53112260	53112677

() = shielded pairs

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. For current information, visit our website.