

ÖLFLEX® SERVO 7TCE

Multi-listed, flexible servo cable with optional pairs for brake and temperature sensor

ÖLFLEX® SERVO 7TCE - screened servo cable for fixed installation or occasional flexing with UL TC-ER.

Info

Servo motor and drive connections

Wide application range (NFPA 70/NEC)/ compliance with NFPA 79 for industrial machinery

EMC-compliant



Flame-retardant



Mechanical resistance



Oil-resistant



Interference signals



UV-resistant

Benefits

One common cable for multiple circuits

Multi-standard certification reduces part varieties and saves costs

Cost-saving, easy installation due to omission of closed raceways (suitable for open wiring)

Low capacitance design enables longer cable connection between frequency converter and motor

UL TC-ER and c(UL) C1C/TC approved

Application range

Connecting cable between servo controller and motor

For fixed installation or applications with occasional movements

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

ÖLFLEX® SERVO 7TCE

Class 1 Division 2 per NEC Articles 336, 501
Plant engineering
Industrial machinery and machine tools

Product features

Oil-resistant according to UL OIL RES I & II
Flame-retardant according to CSA FT4
UL Vertical-Tray Flame Test
-40°C Cold Bend; -25°C Cold Impact; 90°C Wet or Dry
Sunlight Resistant; Direct Burial

Norm references / Approvals

UL TC-ER (exposed run) per UL 1277
Class 1 Division 2 per NEC Articles 336, 501
Flexible Motor Supply Cable per UL 2277
c(UL) CIC FT4 (18AWG - 14AWG);
cRU AWM I/II A/B FT4

Product Make-up

Fine-wire, bare copper conductor
Core insulation: XLPE
Individual design depending on the item: power cores without or with one or two individually screened control core pairs twisted together in short lay lengths
Tinned-copper braiding
Outer sheath: Specially formulated thermoplastic elastomer (TPE), orange

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Low voltage power cable
Core identification code:	Power cores: black with marking U/L1/C/L+; V/L2; W/L3/D /L-; GN/YE protective conductor Optional designs with one pair of control cores: black; white Two pairs of control cores: black with white numbers: 5, 6, 7, 8
Certifications:	USA: UL TC-ER, Flexible Motor Supply Canada: c(UL) CIC/TC FT4, cRU AWM I/II A/B FT4
Conductor stranding:	Fine wire
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	UL TC: 600V UL Flexible Motor Supply: 1000V c(UL) CIC/TC: 600V cRU AWM: 1000V IEC U0/U: 600/1000 V
Test voltage:	2000 V
Protective conductor:	G = with GN-YE protective conductor
Temperature range:	Occasional flexing: -25°C to +90°C Fixed installation: -40°C to +90°C

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Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 610 m drum or 8 x 76 m coils).

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
700730	4 G 1,5	9.8	87.81	143
700731	4 G 2,5	11.0	132.46	199
700732	4 G 4	12.8	199.43	286
700733	4 G 6	14.1	281.29	373
700734	4 G 1,5 + (2 x 1,5)	12.6	147.34	240
700735	4 G 2,5 + (2 x 1,5)	13.3	190.5	301
700736	4 G 4 + (2 x 1,5)	15.8	259.12	432
700737	4 G 6 + (2 x 1,5)	17.0	354.22	496
700738	4 G 1,0 + 2 x (2 x 1,0)	13.2	166.69	277
700739	4 G 1,5 + 2 x (2 x 1,0)	13.9	187.53	314
700740	4 G 2,5 + 2 x (2 x 1,0)	15.5	229.2	387
700741	4 G 4 + (2 x 1,0) + (2 x 1,5)	17.0	325.94	487
700742	4 G 6 + (2 x 1,0) + (2 x 1,5)	18.1	409.29	574

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