

ÖLFLEX® DC SERVO 700

Hybrid servo cable with PVC outer sheath for DC application

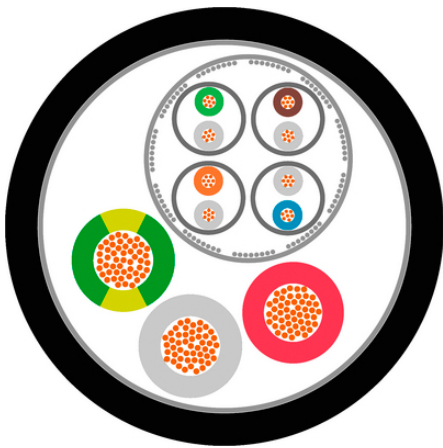
ÖLFLEX® DC SERVO 700 - servo cable for fixed installation or occasional flexing for connection to the DC grid

Info

Designed for DC applications in industrial environment with color code acc. EN 60445

Integrated, double-shielded Cat.6A core bundle

Connects frequency converters to the DC grid



Supplementary automation components from Lapp



Good chemical resistance



Flame-retardant



UV-resistant

Benefits

Compatible with servo drives from well-known manufacturers

Hybrid cable combines power supply, control pairs and high-frequency signals

Integrated, double-shielded Cat.6A core bundle enables data transmission without a separate data cable

With color code according to EN 60445 for DC systems

Application range

For DC applications in the low-voltage range.

For connecting a frequency converter to the DC grid

For static and occasionally flexible use

Can be used in dry and damp environments.

PVC outer sheath is resistant to acids and alkalis

Last Update (16.05.2025)

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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® DC SERVO 700

Product features

Flame-retardant according IEC 60332-1-2
UV and weather-resistant according to ISO 4892-2
Ozone-resistant according to EN 50396

Norm references / Approvals

Color code according to EN 60445 for DC systems

Product Make-up

Fine-wire, bare copper conductor
Core insulation: PVC
Individual design depending on the item:
Power cores without or with one or two control core pairs and one Cat6A core bundle twisted together in short lay lengths
Non-woven wrapping
PVC outer sheath, black (similar RAL 9005)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	Power cores: red, white, green-yellow Control core pairs: refer to data sheet
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius:	Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	DC (core-ground): max. 0,75 kV DC (core-core): max. 1,5 kV
Test voltage:	Core/Core: 4 kV Core/Screen: 2 kV
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C

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

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) approx.	Copper index (kg/km)	Weight (kg/km)
11101200	3G2,5+Cat.6A	13.3	0.001	237
11101201	3G2,5+2x2,5+Cat.6A	17.0	0.002	423
11101202	3G2,5+2x2,5+(2x1)+Cat.6A	17.5	188	436

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