



## High-end servo cable

Allows much faster speed and accelerations which increases the economic efficiency of the machines; Multi-standard approval reduces part varieties and saves costs; To substitute 3 ÖLFLEX® SERVO FD product lines: -750P/-755P/-795P (with control pair)

- Extended Line for heavy duty in power chain applications
- Unshielded version of ÖLFLEX® SERVO FD 796 CP with control pair(s)



## Product description

### Application range

- Power drive systems in automation engineering
- Connecting cable between servo controller and motor
- In power chains or moving machine parts
- For use in assembling & pick-and-place machinery
- Particularly in wet areas of machine tools and transfer lines

### Benefits

- Allows much faster speed and accelerations which increases the economic efficiency of the machines
- Multi-standard approval reduces part varieties and saves costs
- To substitute 3 ÖLFLEX® SERVO FD product lines: -750P/-755P/-795P (with control pair)

## Product Make-up

- Extra-fine wire strand made of bare copper wires (class 6)
- Core insulation: polypropylene (PP)
- According to P/N individual design: Power cores with one or with two control pair(s), twisted together in short lay length
- Non-woven wrapping
- PUR outer sheath, black (RAL 9005)

## Norm references / Approvals

- VDE - reg - no. 8591 (from 4G1,5)  
UL AWM Style 20234  
CSA AWM I/II, A 1000V 80° FT 1
- For use in power chains: Please comply with the assembly guidelines listed in Appendix T3
- Minimum bending radius for flexible use: After consulting, in particular cases, usage at bending factor smaller 7,5 x outer diameter is possible.
- UL File No. E63634

## Product features

- Dynamic performance in power chains:  
Acceleration up to 50 m/s<sup>2</sup>.  
Travel speeds up to 5 m/s.  
Travel distances up to 100 m.
- Low-capacitance design
- Halogen-free materials
- Flame retardancy:  
UL/CSA: VW-1, FT1  
IEC/EN: 60332-1-2
- Oil-resistant

## Technical Data

Core identification code	Power cores: black with marking U/L1/C/L+ V/L2 W/L3/D /L- GN/YE protective conductor Single-paired versions: black white Double-paired versions: black with white numbers 5 6 7 8 0,34mm <sup>2</sup> pairs: WH/BN/GN/YE
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Conductor stranding	Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6
Minimum bending radius	For flexible use:

# ÖLFLEX® SERVO FD 796 P



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Nominal voltage	7.5 x outer diameter Fixed installation: 4 x outer diameter IEC U <sub>0</sub> /U: 600/1000 V UL & CSA: 1000 V
Test voltage	Core/Core: 4 kV Core/Screen: 4 kV
Protective conductor	G = with GN-YE protective conductor
Temperature range	Flexing: -40°C to +90°C (UL/CSA: +80°C) Fixed installation: -50°C to +90°C (UL/CSA: +80°C)