



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/s².
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
0,34mm² pairs: WH/BN/GN/YE
ETIM 5.0 Class-ID: EC000104
ETIM 5.0 Class-Description: Control cable
Extra-fine wire according to VDE 0295, class 6/IEC
60228 class 6
For flexible use:

Classification

Conductor stranding

Minimum bending radius

| | |
|----------------------|---|
| Nominal voltage | 7.5 x outer diameter Fixed installation: 4 x outer diameter IEC U ₀ /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) |