ÖLFLEX® CHAIN 896 P

PP-insulated, numbered, PUR sheath

Allows much faster speed and accelerations which increases the economic efficiency of the machines; Multi-standard approval reduces part varieties and saves costs; Various applications; Also suitable for mobile outdoor use; To substitute 2 ÖLFLEX® SERVO FD product lines: -785P/-795P (without control pair)

- New high-end version! For very dynamic motion sequences
- Extended Line for heavy duty in power chain applications

Product description

Application range

- Applications in automation engineering
- Power circuits in industrial machines
- 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
- Various applications
- Also suitable for mobile outdoor use

- To substitute 2 ÖLFLEX® SERVO FD product lines: -785P/-795P (without control pair)

Product Make-up

- Extra-fine wire strand made of bare copper wires (class 6)
- Core insulation: polypropylene (PP)
- Non-woven wrapping
- PUR outer sheath, black (RAL 9005)

Norm references / Approvals

- VDE - reg - no. 8661
  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	Black with white numbers acc. to VDE 0293-1
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: 7.5 x outer diameter (?16mm²) 10 x outer diameter (>16mm²) Fixed installation: 4 x outer diameter
Nominal voltage	IEC U_0/U: 600/1000 V UL & CSA: 1000 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without 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)