ÖLFLEX® SERVO FD 796 CP

High-end servo cable, screened

Allows much faster speed and accelerations which increases the economic efficiency of the machines; Multi-standard approval reduces part varieties and saves costs; Suitable for use with servomotor product lines from leading drive manufacturers; To substitute 7 ÖLFLEX® SERVO FD product lines:
755CP/-755CP DESINA/-781CP/-785CP/-785CP DESINA/-790CP/-795CP

- Extended Line for heavy duty in power chain applications
- EMC-compliant

Product description

Application range

- 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
- Assembly lines, production lines, in all kinds of machines

Benefits

- Allows much faster speed and accelerations which increases the economic efficiency of the machines
- Multi-standard approval reduces part varieties and saves costs
- Suitable for use with servomotor product lines from leading drive manufacturers

- To substitute 7 ÖLFLEX® SERVO FD product lines:
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Product Make-up

- Extra-fine wire strand made of bare copper wires (class 6)
- Core insulation: polypropylene (PP)
- Individual design depending on the item: power cores with or without one or two individually screened control core pairs twisted together in short lay lengths
- Non-woven wrapping
- Tinned-copper braiding
- PUR outer sheath, orange (RAL 2003)

Norm references / Approvals

- VDE - Reg. - No. 8591
  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
- 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 Optional designs with one pair of control cores: black white Two pairs of control cores: black with white numbers: 5, 6, 7, 8
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 (1.5-16 mm²) 10 x outer diameter (25-50 mm²) Fixed installation: 4 x outer diameter
Nominal voltage	VDE: power cores and control cores: 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)