ÖLFLEX® SERVO FD 798 CP

High-end resolver/encoder cable, sreened

Thin, optimised for weight and volume; Also suitable for mobile outdoor use; Suitable for use with encoders & resolvers from leading manufacturers; To substitute 4 ÖLFLEX® SERVO FD product lines: -760CP/-760CP DESINA®/-770CP/ -770CP DESINA®

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

Product description

Application range

- Connecting cable between servo controller and encoder/resolver
- Connecting cable between servo controller and speed generators
- In power chains or moving machine parts
- Particularly in wet areas of machine tools and transfer lines
- Assembly lines, production lines, in all kinds of machines

Benefits

- Thin, optimised for weight and volume
- Also suitable for mobile outdoor use
- Suitable for use with encoders & resolvers from leading manufacturers
- To substitute 4 ÖLFLEX® SERVO FD product lines: -760CP/-760CP DESINA®/-770CP/ -770CP DESINA®

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Product Make-up

- Fine-wire or extra-fine wire, tinned-copper conductor
- Core insulation: polypropylene (PP)
- Cores (or core pairs) twisted in layers or bundles
- Refer to data sheet for more details
- Non-woven wrapping
- PUR outer sheath, green (RAL 6018)

Norm references / Approvals

- UL AWM Style 20236
- CSA AWM IA/B; IIA/B 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	Details see datasheet ÖLFLEX® SERVO FD 798 CP
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Conductor stranding	Fine wire or extra-fine wire
Minimum bending radius	Flexible use: 7.5 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	IEC: 30 V UL & CSA: 30 V
Test voltage	Core/core: 1500 V rms Core/screen: 750 V rms
Temperature range	Flexing: -40°C to +90°C (UL/CSA: +80°C) Fixed installation: -50°C to +90°C (UL/CSA: +80°C)