

# THE BETTER STANDARD IN SERVO CABLE ASSEMBLIES



## Introducing ÖLFLEX® CONNECT Servo Cable

Cable assembly in high-motion applications

LAPP presents **ÖLFLEX® CONNECT Servo** for SIEMENS® servo motors – more choices than from the OEM drive supplier. From exact drop-in equivalent cable assemblies to LAPP-designed better alternatives. A one-stop partner for your cabling and connectivity needs, LAPP is capable of fulfilling user requirements for all application scenarios.

### Superior Performance

Exceptional EMC screening performance of up to 6db is 4 times better than conventional assemblies due to 360° screen contact.

### Innovative Design

New servo cables feature a market-leading tamperproof connector using a push-fitted design and are available in 3 classes.

### Globally

**Standardised Quality**  
Semi-automated manufacturing of servo cable assemblies ensures consistent high-quality standards worldwide.

### DOWNLOAD YOUR WHITEPAPER

Get expert advice on  
Servo Cable analysis



## ÖLFLEX® CONNECT SERVO Basic Line according to Siemens 6FX5002 (PVC)



### Product Features

- PVC servo cable, shielded
- For static and slowly moving applications with resistant PVC outer mantle

### Application Range

- Food production and packaging machinery
- Woodworking Machinery

### TECHNICAL DATA



#### Minimum bending radius

Flexing: 15 x outer diameter  
Power cable up to 6mm<sup>2</sup>: 7,5xD

#### Speed of Travel

Power cable up to 6mm<sup>2</sup>: 0.5m/s

#### Max. bending cycles

Power cable up to 6mm<sup>2</sup>: 2 Mio.



#### Temperature range

Fixed installation: -20°C to +80°C

### Norm references / Approvals

- Design according to SIEMENS® standard 6FX 5002
- Flame-retardant according to IEC 60332-1-2, VW-1, FT1

## ÖLFLEX® CONNECT SERVO Core Line according to Siemens 6FX5002 (PVC)



### Product Features

- New PVC servo cable, halogen-free & shielded

### Application Range

- Specifically for machine tool building
- For travel distances up to 10m.
- For static and dynamic applications

### TECHNICAL DATA

#### Distance of Travel

Power cables up to 6mm<sup>2</sup>.: 10m

#### Acceleration

Power cable up to 6mm<sup>2</sup>.: 3m/s<sup>2</sup>

#### Speed of Travel

Power cables up to 6mm<sup>2</sup>.: 3m/s

#### Max. bending cycles

Power cable up to 6mm<sup>2</sup>.: 5 Mio.



#### Temperature range

Flexible use: -5°C to +70°C

### Norm references / Approvals

- Design according to SIEMENS® standard

## ÖLFLEX® CONNECT SERVO Extended Line according to Siemens 6FX8002 (PUR)



### Product Features

- Proven for high dynamic stresses and long distances
- Classical production and assembly

### Application Range

- Specifically for machine tool building
- Designed for power chain use: for travel distances up to 100m (horizontal)
- For very high dynamic motion sequences

### TECHNICAL DATA



#### Minimum bending radius

Flexible Use: 7.5 x outer diameter  
Flexible Use: from 25mm<sup>2</sup>  
10x outer diameter

#### Distance of Travel

100m

#### Acceleration

50m/s<sup>2</sup>

#### Speed of Travel

5m/s<sup>2</sup>

#### Max. bending cycles

10 Mio



#### Temperature range

Flexing: -40°C to +90°C

### Norm references / Approvals

- Design according to SIEMENS® standard 6FX 8002
- Flame-retardant according to IEC 60332-1-2, VW-1, FT1

Note: Images are not to scale and do not represent detailed images of the respective products.

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