

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

Core Line for light duty power chain applications









### Info

Classical production and assembly

Connector with novel, safe screen connection

For the most demanding mechanical requirements



-  Supplementary automation components from Lapp
-  Mechanical and plant engineering
-  Mechanical resistance
-  Optimum strain relief
-  Robust
-  Reliability
-  Connector with standard housing unit
-  Waterproof

### Benefits

Regional manufactured worldwide available

Lapp quality standards

Last Update (06.08.2024)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

**ÖLFLEX® SERVO Extended Line according to Siemens 6FX8002 (PUR)****Application range**

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

**Product features**

Extended Line for high mechanical stress in Power chains  
Proven for high dynamic stresses and long distances

**Norm references / Approvals**

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

**Product Make-up**

Full range of types  
brake wire with 1.5mm<sup>2</sup> wire gauge

**Technical Data**

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
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
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 mm <sup>2</sup> ) 10 x outer diameter (25-50 mm <sup>2</sup> ) Fixed installation: 4 x outer diameter
Nominal voltage:	Power cores and control cores: IEC U0/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)
Alternating bending cycles:	10 mio. cycles

**Note**

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
Siemens part designations (6FX5002/5008, 6FX7002/7008, 6FX8002/8008) are registered trademarks of Siemens AG, and are listed for comparison purposes only  
Other lengths and cable terminations are available upon request.

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Photographs and graphics are not to scale and do not represent detailed images of the respective products.  
Prices are net prices without VAT and surcharges. Sale to business customers only.  
Further Article and length online <https://servoconfigurator.lappgroup.com/>

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(PUR)**

Article number	Length (m)	SIEMENS® assembly designation	Copper index kg/1.000 pieces	Other dimensions	PU
5480004940	10.0	5CN51	3034	Other lengths available	1
5480005290	10.0	5CS13	4,624.7	Other lengths available	1
5480005440	10.0	5CS51	3034	Other lengths available	1
5480005990	10.0	5DN51	3,372.25	Other lengths available	1

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