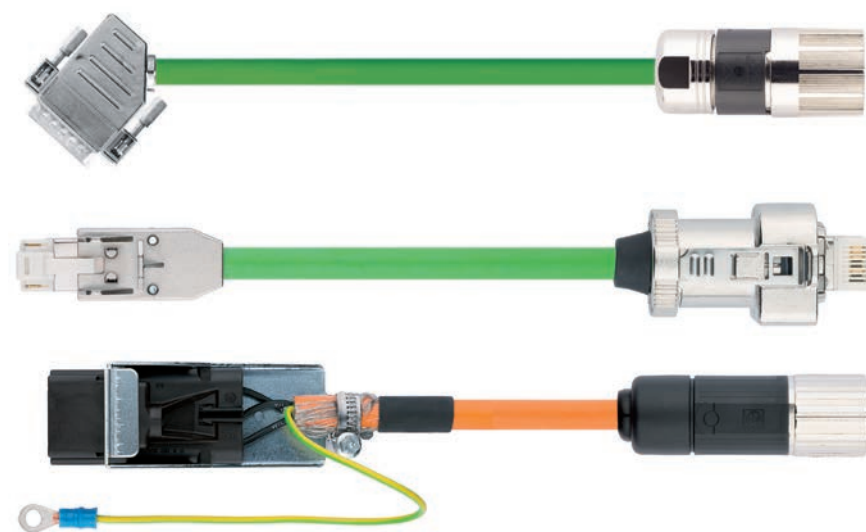




## ÖLFLEX® SERVO Extended Line according to Siemens 6FX8002 (PUR)



**Info**

- Classical production and assembly
- Connector with novel, safe screen connection
- For the most demanding mechanical requirements

### Benefits

- Regional manufactured worldwide available
- Lapp quality standards

### 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 hightes 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

**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

**Alternating bending cycles**  
10 mio. cycles

**Temperature range**  
Flexing: -40°C to +90°C  
(UL/CSA: +80°C)  
Fixed installation: -50°C to +90°C  
(UL/CSA: +80°C)

Article number	Length (m)	SIEMENS® assembly designation	Copper index (kg/km)	Other dimensions	PU
<b>Assemblies for signal transmission systems</b>					
5480000015	10.0	2AD00	68.68	Other lengths available	1
5480000065	10.0	2AH00	80.19	Other lengths available	1
5480000165	10.0	2CA31	80.80	Other lengths available	1
5480000290	10.0	2CH00	68.68	Other lengths available	1
5480000390	10.0	2DC10	38.38	Other lengths available	1
5480000415	10.0	2DC20	38.38	Other lengths available	1
5480000440	10.0	2EQ10	80.80	Other lengths available	1
5480004940	10.0	5CN51	303.40	Other lengths available	1
5480005290	10.0	5CS13	462.47	Other lengths available	1
5480005440	10.0	5CS51	303.40	Other lengths available	1
5480005990	10.0	5DN51	337.23	Other lengths available	1

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

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.

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Further Article and length online <https://servoconfigurator.lappgroup.com/>