

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

Core Line for light duty power chain applications

### Info

Cables in application-oriented performance categories

Connector with novel, safe screen connection

PVC outer sheath



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 (30.03.2024)

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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 Basic Line according to Siemens 6FX5002 (PVC)**

semi automated process fro high quality standards

**Application range**

Food production and packaging machinery  
Woodworking Machinery

**Product features**

PVC servo cable, shielded  
Basic Line for static and slowly moving applications with resistant PVC outer mantle  
Innovative connector concept

**Norm references / Approvals**

Design according to SIEMENS® standard 6FX 5002  
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 Single-paired versions: black; white Double-paired versions: black with white numbers 5; 6; 7; 8 0,34mm <sup>2</sup> pairs: WH/BN/GN/YE
Conductor stranding:	Fine wire according to IEC 60228/VDE 0295, class 5
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 6 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:	Occasional flexing: -5 °C to +70 °C (UL: +80 °C) Fixed installation: -30 °C to +80 °C

**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.  
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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Article number	Outer dimensions (mm)	Length (m)	Number of cores and mm² per conductor	SIEMENS® assembly designation	Copper index kg/1.000 pieces	Other dimensions	PU
ÖLFLEX® SERVO Basic Line according to Siemens 6FX5002 (PVC)							
5480002690	7	10.0	2x(2x0,15)+2x0,38	2DC10	380	Other lengths available	1
5480002715	7	10.0	2x(2x0,15)+2x0,38	2DC20	380	Other lengths available	1
5480002990	8	10.0	4G1,5	5CN05	880	Other lengths available	1
5480003015	9.6	10.0	4G2,5	5CN11	1353	Other lengths available	1
5480003240	8	10.0	4G1,5	5CQ28	888.8	Other lengths available	1
5480003365	8	10.0	4G1,5	5CS01	880	Other lengths available	1
5480003565	9.6	10.0	4G2,5	5CS31	1320	Other lengths available	1
5480004290	10.4	10.0	4 G 1,5+(2x1,5)	5DQ28	1,686.7	Other lengths available	1
5480004415	10.4	10.0	4 G 1,5+(2x1,5)	5DS01	1500	Other lengths available	1
5480004515	12	10.0	4 G 2,5+(2x1,5)	5DS31	1,988.5	Other lengths available	1