

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 (23.04.2024)

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Product Management 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 1.5mm² 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 ²) 10 x outer diameter (25-50 mm ²) 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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(PUR)**

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/>

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

| Article number | Length (m) | SIEMENS® assembly designation | Copper index kg/1.000 pieces | Other dimensions | PU |
|---|------------|-------------------------------|------------------------------|-------------------------|----|
| ÖLFLEX® SERVO Core Line for Siemens 6FX8002 (PUR) | | | | | |
| 5480000015 | 10.0 | 2AD00 | 680 | Other lengths available | 1 |
| 5480000065 | 10.0 | 2AH00 | 790 | Other lengths available | 1 |
| 5480000165 | 10.0 | 2CA31 | 860 | Other lengths available | 1 |
| 5480000290 | 10.0 | 2CH00 | 680 | Other lengths available | 1 |
| 5480000390 | 10.0 | 2DC10 | 380 | Other lengths available | 1 |
| 5480000415 | 10.0 | 2DC20 | 380 | Other lengths available | 1 |
| 5480000440 | 10.0 | 2EQ10 | 860 | Other lengths available | 1 |
| 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 |