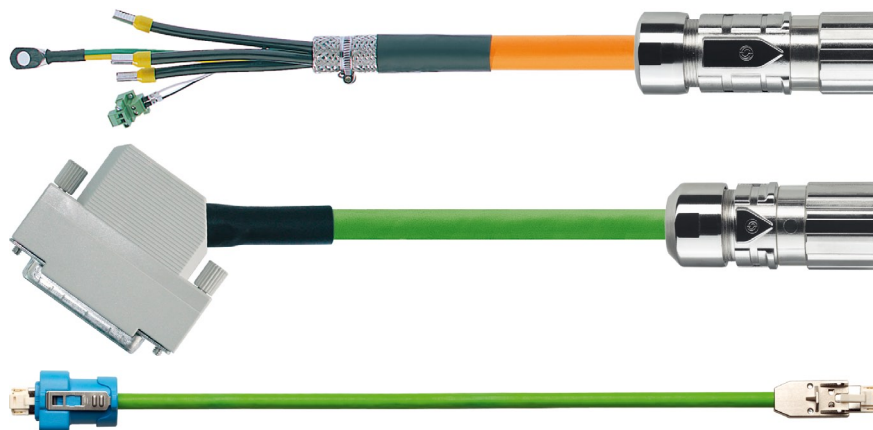


**Harnessed cables**

SERVO and power drive systems

# Servo harnessing according to SIEMENS® 6FX 8002-



**Benefits**

- Highly flexible servomotor and sensor cables, especially for use in power chains
- 100% compatible with Siemens systems
- The oil-resistant, PUR sheath enables use particularly in industrial areas

**Application range**

- Plant engineering and construction
- Servodrives and Servoharnessings

**Approvals (Norm references)**



**Product Make-up**

- Design according to Siemens standard 6FX8002.
- Outer sheath: PUR 11Y (in accordance with DIN VDE 0250, Part 405)

**Note**

- Please comply with the assembly guidelines for cables in power chain systems.
- The maximum length of the cables must agree with the manufacturers' instructions of the servo drives
- Afterwards the Technical Data of the used cables

**Design**

- Further versions and lengths can be delivered quickly.

**Technical data**

**Approvals**  
 Power cables: UL/CSA AWM Style 20234  
 VDE Reg No.: 7733  
 Sensor leads: UL/CSA AWM Style 20236

**Minimum bending radius**  
 Fixed installation: 7 x outer diameter  
 flexible: 10 x outer diameter, (more than 4mm<sup>2</sup>: 12 x outer diameter)

**Rated voltage**  
 Signal cables:  
 - 30 V AC/DC (UL/CSA)  
 - 250 V AC (IEC)

Power cables:  
 - Cores:  
 600 / 1000 V (IEC)  
 1000 V (UL/CSA)  
 - Control cores:  
 250 V AC (IEC)  
 1000 V (UL/CSA)

**Range of temperature**  
 fixed installation: -50 °C to +80 °C  
 flexible: -10°C to +60 °C

Part number	Length in m	Siemens assembly designation	Siemens cable designation	Copper index kg/1000 pcs.	Further dimensions
<b>Harnessings for signal transmission systems</b>					
70301549	10.0	6FX8002-2AD00-1BA0	6FX8008-1BD41	660.0	other lengths available
74303559	10.0	6FX8002-2AD04-1BA0	6FX8008-1BD41	660.0	other lengths available
70389020	10.0	6FX8002-2AH00-1BA0	6FX8008-1BD41	770.0	other lengths available
70301550	10.0	6FX8002-2CA11-1BA0	6FX8008-1BD21	770.0	other lengths available
70301553	10.0	6FX8002-2CA31-1BA0	6FX8008-1BD51	860.0	other lengths available
70301554	10.0	6FX8002-2CA34-1BA0	6FX8008-1BD51	860.0	other lengths available
70301563	10.0	6FX8002-2CG00-1BA0	6FX8008-1BD21	770.0	other lengths available
70301564	10.0	6FX8002-2CH00-1BA0	6FX8008-1BD41	660.0	other lengths available
70301567	10.0	6FX8002-2EQ10-1BA0	6FX8008-1BD51	860.0	other lengths available
70391522	10.0	6FX8002-2EQ14-1BA0	6FX8008-1BD51	860.0	other lengths available
70301568	10.0	6FX8002-2CF01-1BA0	6FX8008-1BD41	660.0	other lengths available
70301569	10.0	6FX8002-2CF02-1BA0	6FX8008-1BD41	660.0	other lengths available
70301575	10.0	6FX8002-4AA21-1BA0	6FX8008-1BD61	540.0	other lengths available
70430149	10.0	6FX8002-2DC00-1BA0	-	410.0	other lengths available
70431018	10.0	6FX8002-2DC10-1BA0	-	410.0	other lengths available
70430096	10.0	6FX8002-2DC20-1BA0	-	410.0	other lengths available
<b>Harnessings for servo drives without break</b>					
70301578	10.0	6FX8002-5CA01-1BA0	6FX8008-1BB11	840.0	other lengths available
70301601	10.0	6FX8002-5CA05-1BA0	6FX8008-1BB11	1,430.0	other lengths available
70301583	10.0	6FX8002-5CA31-1BA0	6FX8008-1BB21	1,280.0	other lengths available
70301585	10.0	6FX8002-5CA41-1BA0	6FX8008-1BB31	2,060.0	other lengths available
70301586	10.0	6FX8002-5CA51-1BA0	6FX8008-1BB41	2,710.0	other lengths available
70430007	10.0	6FX8002-5CS01-1BA0	6FX8008-1BB11	840.0	other lengths available
70430008	10.0	6FX8002-5CS11-1BA0	6FX8008-1BB21	1,280.0	other lengths available
<b>Harnessings for servo drives with break</b>					
70301588	10.0	6FX8002-5DA01-1BA0	6FX8008-1BA11	2,710.0	other lengths available
70301600	10.0	6FX8002-5DA05-1BA0	6FX8008-1BA11	1,430.0	other lengths available
70301594	10.0	6FX8002-5DA31-1BA0	6FX8008-1BA21	1,860.0	other lengths available
70301597	10.0	6FX8002-5DA41-1BA0	6FX8008-1BA31	2,610.0	other lengths available
70301598	10.0	6FX8002-5DA51-1BA0	6FX8008-1BA41	3,300.0	other lengths available
70430005	10.0	6FX8002-5DS01-1BA0	6FX8008-1BA11	1,430.0	other lengths available
70430006	10.0	6FX8002-5DS11-1BA0	6FX8008-1BA21	1,860.0	other lengths available

Copper price basis: EUR 150 / 100 kg  
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 Part number refers to genuine LAPP part  
 Other construction designs/lengths on request