

# Technical data sheet · According to SIEMENS-6FX8002 standard

## Base cable



Servo cable assemblies with brake pairs for C-tracks

<b>Identification</b>	Type	6FX8002-5DG31-1BA0
	Part-No.	198090.1000
System	Siemens	
SIEMENS designation*	6FX8002-5DG31-1BA0	

### Use/Application/Characteristics

Application	<ul style="list-style-type: none"> <li>• Base cable, for Siemens servo drives</li> <li>• Due to full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely rough operating conditions, aggressive coolants and lubricants</li> <li>• Especially for industrial environments, machines and plants</li> </ul>
Characteristics	<ul style="list-style-type: none"> <li>• Silicone free</li> <li>• RoHS-compliant</li> </ul>

### Technical data

Number of conductors/cross-section	(4G2.5+(2×1.5))
Number of conductors	6
Outer Ø	12.9 mm
Cable length	10 m
Rated voltage	1000 V 80 °C
Rated voltage U <sub>0</sub> /U	600/1000
Test voltage	4000 V
Insulation resistance	> 500 MΩ × km
Temperature range fixed	-40 °C ... +80 °C

29.04.2017 – Subject to technical modification

Part-No. 198090.1000

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SYSTEMATIC TECHNOLOGY

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Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6×D
Minimum bending radius moving	10×D
Burning behavior according to	VDE 0482 Part 265-2 DIN EN 50265-2 IEC 60332-1 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1 EN 60684-2
Approvals	cURus
Cable used	111421
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

### Construction

Number of conductors/cross-section	(4G2.5+(2×1.5))
Number of conductors	6
Conductor	CU-wire bare
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
Control pair	colour coded (bw, wb) with foil tape and braided shield
Conductor insulation	Special HGI
Overall stranding	Conductors twisted without mechanical stress
Overall wrapping	Non-woven material over the cable core
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	PUR
Surface	matt adhesion-free
Jacket color	orange RAL 2003

### General

Note	* Siemens article designations are registered trademarks of Siemens AG, and are for reference purposes only
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#### Ordering instructions:

The LÜTZE Art. no. consists of two blocks that are separated by a dot:

6 digits before the dot: technical design

4 digits after the dot: length code in cm

Ex.: 198360.0500 corresponds to a length of 5.0 m

#### Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

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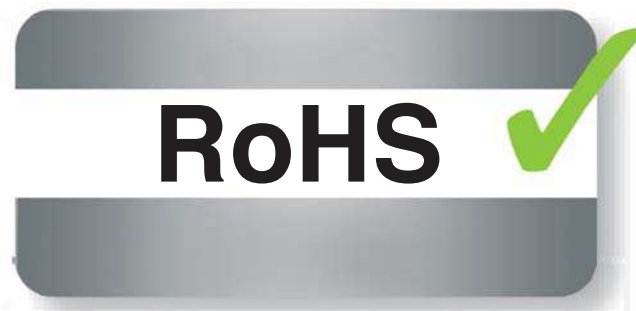
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### Symbols



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