

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

## Base cable



Servo cable assemblies with bra-  
ke pairs for C-tracks

|                       |                    |                    |
|-----------------------|--------------------|--------------------|
| <b>Identification</b> | Type               | 6FX8002-5DS01-1BA0 |
|                       | Part-No.           | 198310.1000        |
| System                | Siemens            |                    |
| SIEMENS designation*  | 6FX8002-5DS01-1BA0 |                    |

### Use/Application/Characteristics

|                 |  |
|-----------------|--|
| Application     | <ul style="list-style-type: none"> <li>• Base cable for Siemens servo drives</li> <li>• 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 | (4G1.5+(2×1.5))   |
| Number of conductors               | 6                 |
| Outer Ø                            | 11.4 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. 198310.1000

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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<br>DIN EN 50265-2<br>IEC 60332-1<br>UL 1581 Part 1080 VW-1<br>UL FT1             |
| Halogen free according to     | EN 50267-2-1<br>EN 60684-2   |
| Approvals                     | cURus  |
| Cable used                    | 111420   |
| Product photo                 | The product photos are not to scale and do not represent detailed images of the respective products. |

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### Construction

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|                                    |   |
|------------------------------------|---|
| Number of conductors/cross-section | (4G1.5+(2×1.5))   |
| Number of conductors               | 6   |
| Conductor                          | CU-wire bare  |
| Conductor category                 | Finely stranded DIN VDE 0295<br>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)<br>with foil tape and braided shield            |
| Conductor insulation               | Special HGI   |
| Overall stranding                  | Conductors twisted without mechanical stress                          |
| Overall wrapping                   | Non-woven material<br>over the cable core                             |
| Overall shield                     | Braid shield<br>Tinned copper wires<br>optical cover approx. 85%      |
| Jacket material                    | PUR   |
| Surface                            | matt<br>adhesion-free   |
| Jacket color                       | orange RAL 2003   |

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### General

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|      |   |
|------|---|
| 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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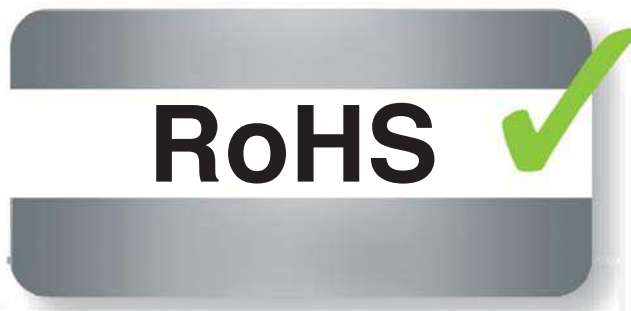


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Symbols



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