

## Technical data sheet ·



**Servo cable assemblies without  
brake pairs for fixed installation**

|                                        |                                                                                                                                                                     |                    |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <b>Identification</b>                  | Type                                                                                                                                                                | 6FX5002-5CS62-1BA0 |
|                                        | Part-No.                                                                                                                                                            | 198323.1000        |
| System                                 | Siemens                                                                                                                                                             |                    |
| SIEMENS designation*                   | 6FX5002-5CS62-1BA0                                                                                                                                                  |                    |
| <b>Use/Application/Characteristics</b> |                                                                                                                                                                     |                    |
| Application                            | <ul style="list-style-type: none"><li>• Base cable for Siemens servo drives</li><li>• For stationary and flexible applications without continuous flexing</li></ul> |                    |
| Characteristics                        | <ul style="list-style-type: none"><li>• PVC Flame-retardant, self-extinguishing</li><li>• Silicone free</li><li>• RoHS-compliant</li></ul>                          |                    |
| <b>Technical data</b>                  |                                                                                                                                                                     |                    |
| Number of conductors/cross-section     | (4G10)                                                                                                                                                              |                    |
| Number of conductors                   | 4                                                                                                                                                                   |                    |
| Outer Ø                                | 16.5 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                | -25 °C ... +80 °C                                                                                                                                                   |                    |
| Temperature range moving               | -5 °C ... +80 °C                                                                                                                                                    |                    |
| Minimum bending radius fixed           | 7.5×D                                                                                                                                                               |                    |

29.04.2017 – Subject to technical modification

Part-No. 198323.1000

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|                               |                                                                                                      |
|-------------------------------|------------------------------------------------------------------------------------------------------|
| Minimum bending radius moving | 12×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             |
| Approvals                     | cURus                                                                                                |
| Cable used                    | 116405                                                                                               |
| 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 | (4G10)                                                                |
| Number of conductors               | 4                                                                     |
| Conductor                          | CU-wire bare                                                          |
| Conductor category                 | Finely stranded DIN VDE 0295<br>IEC 60228, Class 5                    |
| Conductor marking                  | Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L- |
| Conductor insulation               | Special PP                                                            |
| 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                    | PVC                                                                   |
| Jacket color                       | orange RAL 2003                                                       |

### General

|      |                                                                                                             |
|------|-------------------------------------------------------------------------------------------------------------|
| Note | * Siemens article designations are registered trademarks of Siemens AG, and are for reference purposes only |
|------|-------------------------------------------------------------------------------------------------------------|

#### 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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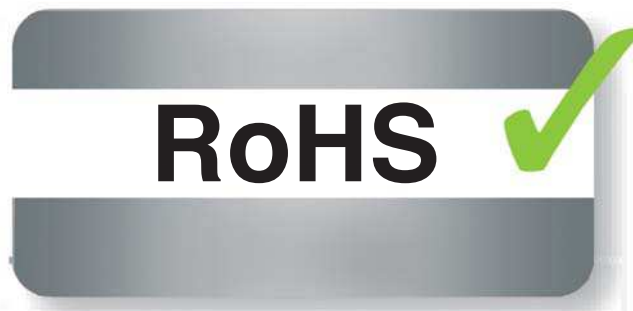
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### Symbols



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