

Technical data sheet -



Servo cable assemblies without
brake pairs for fixed installation

| | | |
|-----------------------|--------------------|--------------------|
| Identification | Type | 6FX5002-5CN31-1BA0 |
| | Part-No. | 198106.1000 |
| System | Siemens | |
| SIEMENS designation* | 6FX5002-5CN31-1BA0 | |

Use/Application/Characteristics

| | |
|-----------------|---|
| Application | <ul style="list-style-type: none">• Base cable for Siemens servo drives• For stationary and flexible applications without continuous flexing |
| Characteristics | <ul style="list-style-type: none">• PVC Flame-retardant, self-extinguishing• Silicone free• RoHS-compliant |

Technical data

| | |
|------------------------------------|-------------------|
| Number of conductors/cross-section | (4G2.5) |
| Number of conductors | 4 |
| Outer Ø | 10.6 mm |
| Cable length | 10 m |
| Rated voltage | 1000 V 80 °C |
| Rated voltage U_0/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 | 6×D |

29.04.2017 – Subject to technical modification

Part-No. 198106.1000

USA: LUTZE INC.

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|-------------------------------|--|
| 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 |
| Approvals | cURus |
| Cable used | 116402 |
| 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) |
| Number of conductors | 4 |
| Conductor | CU-wire bare |
| Conductor category | Finely stranded DIN VDE 0295 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 over the cable core |
| Overall shield | Braid shield Tinned copper wires 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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Symbols



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