

Technical data sheet · According to SIEMENS-6FX8002 standard

Extension



Servo cable assemblies without
brake pairs for C-tracks

| | | |
|-----------------------|--------------------|--------------------|
| Identification | Type | 6FX8002-5CA58-1BA0 |
| | Part-No. | 198020.1000 |
| System | Siemens | |
| SIEMENS designation* | 6FX8002-5CA58-1BA0 | |

Use/Application/Characteristics

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

Technical data

| | |
|------------------------------------|-------------------|
| Number of conductors/cross-section | (4G6) |
| Number of conductors | 4 |
| Outer Ø | 14 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 | -40 °C ... +80 °C |
| Temperature range moving | -25 °C ... +80 °C |

29.04.2017 – Subject to technical modification

Part-No. 198020.1000

USA: LÜTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

Technical data sheet · According to SIEMENS-6FX8002 standard

Extension

| | |
|-------------------------------|--|
| 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 | 111463 |
| 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 | (4G6) |
| Number of conductors | 4 |
| 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- |
| 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 |
|------|---|

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

29.04.2017 – Subject to technical modification

Part-No. 198020.1000

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

Technical data sheet · According to SIEMENS-6FX8002 standard

Extension

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

Comments

Notes:

- The extension can also be used for **SPEED-CONNECT** plug connection, for this the O-ring must be removed on the outer thread. This does not affect the tightness of the plug connection.

29.04.2017 – Subject to technical modification

Part-No. 198020.1000

USA: LUTZE INC.

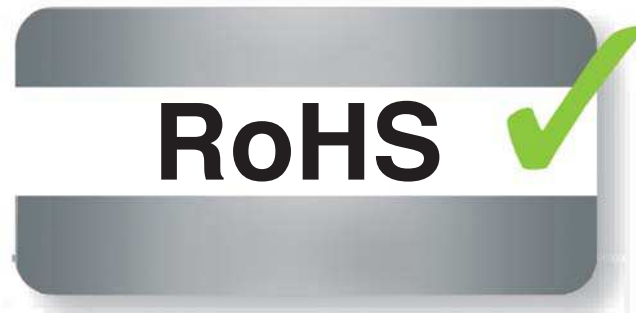
13330 South Ridge Drive · Charlotte, NC 28273, USA
Tel. +1 (704) 504-0222 · Fax +1 (704) 504-0223
www.lutze.com · info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington · GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 · Fax +44 (0)1827 31333-2
www.lutze.com · sales.gb@lutze.co.uk

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

Symbols



29.04.2017 – Subject to technical modification

Part-No. 198020.1000

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk