

Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable



Servo cable assemblies without
brake pairs for C-tracks

| | | |
|-----------------------|----------|--------------------|
| Identification | Type | 6FX8002-5CA13-1BA0 |
| | Part-No. | 198845.1000 |

| | | |
|--|---|--|
| Use/Application/Characteristics | | |
| Application | <ul style="list-style-type: none"> • Base 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 strands/cross-section | (4G10) | |
| OD Ø | 17.6 ca. mm | |
| Conductor marking | Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L- | |
| Length | 10.0 m | |
| UL approval | cURus | |
| Nominal voltage | 1000 V 80 °C | |
| Voltage | U ₀ /U | 0.6/1 kV |
| Test voltage | 4000 V | |
| Insulation resistance | min. 500 MΩ × km | |
| Temperature range | moving | -25 °C to +80 °C |
| | fixed | -40 °C to +80 °C |
| Minimum bending radius | moving | D × 10 |

09.08.2016 – Subject to technical modification

Part-No. 198845.1000

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: LUTZE 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

Base cable

| | | |
|------------------|--|-------|
| Burning behavior | fixed Flame-retardant according to VDE 0482 T 265-2, DIN EN 50265-2, IEC 60332-1, UL 1581 section 1080 VW-1, CSA FT 1 | D × 6 |
| Halogen free | according to DIN EN 50267-2-1 | |
| Product photo | The product photos are not to scale and do not represent detailed images of the respective products. | |

Construction

| | | |
|----------------------|--|--|
| Conductor structure | Bare copper wire, finely stranded according to DIN VDE 0295 class 6, IEC 60228 class 6 | |
| Conductor insulation | Special TPM/PP-conductor insulation, UL | |
| Conductor marking | Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L- | |
| Ground conductor | green/yellow according to DIN EN 50334 | |
| Stranding | Conductors cabled in layers without mechanical stress, layer pitch optimised | |
| Overall shield | Braid from tinned copper wire, optical coverage ≥ 85 % | |
| Outer jacket | Full polyurethane jacket, matte, adhesion-free surface | |
| 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

Symbols



09.08.2016 – Subject to technical modification

Part-No. 198845.1000

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: LUTZE 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
Base cable



09.08.2016 – Subject to technical modification

Part-No. 198845.1000

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: LUTZE 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