

# Technical data sheet - According to Bosch Rexroth RKL standard

## Servomotor cables for C-tracks



|  |   |                |
|--|---|----------------|
| <b>Identification</b>                  | Type  | RKL 4344/10,0M |
|  | Part-No.  | 193118.1000    |
| System                                 | Bosch Rexroth   |                |
| BOSCH REXROTH designation*             | RKL4344/010.0   |                |
| <b>Use/Application/Characteristics</b> |   |                |
| Application                            | <ul style="list-style-type: none"><li>• Motor cable for Bosch Rexroth 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></ul> |                |
| Characteristics                        | <ul style="list-style-type: none"><li>• Silicone free</li><li>• RoHS-compliant</li></ul>  |                |
| <b>Technical data</b>                  |   |                |
| Number of conductors/cross-section     | (4G16+2×(2×1.5))  |                |
| Number of conductors                   | 8   |                |
| Outer Ø                                | 26.8 mm   |                |
| Cable length                           | 10 m  |                |
| Rated voltage                          | 1000 V 80 °C  |                |
| Rated voltage U <sub>0</sub> /U        | 600/1000  |                |
| Insulation resistance                  | > 500 MΩ × km   |                |
| Temperature range fixed                | -40 °C ... +80 °C   |                |
| Temperature range moving               | -25 °C ... +80 °C   |                |
| Minimum bending radius fixed           | 6×D   |                |
| Minimum bending radius moving          | 10×D  |                |

28.04.2017 – Subject to technical modification

Part-No. 193118.1000

USA: LUTZE INC.

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|                               |  |
|-------------------------------|--|
| 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   |
| Approvals                     | cURus  |
| 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 | (4G16+2×(2×1.5)) |
| Number of conductors               | 8                |
| Conductor insulation               | TPE              |
| Jacket material                    | PUR              |
| Jacket color                       | orange RAL 2003  |

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### General

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|      |   |
|------|---|
| Note | * Bosch Rexroth article designations are registered trademarks of Bosch Rexroth, and are for reference purposes only* UL approval and technical data shown apply to the cable used in the assemblies. |
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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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### Symbols



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