

## Technical data sheet · According to Allen-Bradley 2090 standard



Single Cable Assemblies for C-tracks

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <b>Identification</b>                  | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2090-CSBM1DF-10AF10 |
|                                        | Part-No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 193375.1000         |
| System                                 | Allen Bradley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |
| Allen Bradley designation*             | 2090-CSBM1DF-10AF10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     |
| <b>Use/Application/Characteristics</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |
| Application                            | <ul style="list-style-type: none"><li>• Combined power supply cable with motor supply, brake and digital feedback especially for SERVO drives in machine and plant construction, transport and conveyor technology</li><li>• Due to special PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants</li><li>• Especially for industrial environments in mechanical and system engineering</li></ul>                                                                                                                                                                                                                                      |                     |
| Characteristics                        | <ul style="list-style-type: none"><li>• High active and passive interference resistance (EMC)</li><li>• Braided shield optimised for continuous flexible use</li><li>• Very good alternating bending strength</li><li>• Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant</li><li>• Hydrolysis-resistant, microbe-resistant, and rot-resistant</li><li>• Weatherproof, ozone and UV resistant (normal lighting conditions)</li><li>• Good ruggedness and salt water resistance</li><li>• Excellent coolant and lubricant resistance</li><li>• Resistant to most oils, greases, alcohol-free benzines and kerosene</li><li>• Halogen free</li><li>• Silicone and talcum free</li><li>• RoHS compliant</li></ul> |                     |

29.04.2017 – Subject to technical modification

Part-No. 193375.1000

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### Technical data

|                                    |                                                                                                      |
|------------------------------------|------------------------------------------------------------------------------------------------------|
| Number of conductors/cross-section | (4G6+(2×1.0)+(2×AWG22))                                                                              |
| Number of conductors               | 8                                                                                                    |
| Outer Ø                            | 17.8 mm                                                                                              |
| Cable length                       | 10 m                                                                                                 |
| Rated voltage                      | 1000 V 80 °C                                                                                         |
| Rated voltage U <sub>0</sub> /U    | 600/1000                                                                                             |
| Test voltage                       | 3000 V                                                                                               |
| Insulation resistance              | > 500 MΩ × km                                                                                        |
| Temperature range fixed            | -40 °C ... +80 °C                                                                                    |
| Temperature range moving           | -25 °C ... +80 °C                                                                                    |
| Minimum bending radius fixed       | 5×D                                                                                                  |
| Minimum bending radius moving      | 7.5×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             |
| Halogen free according to          | EN 50267-2-1                                                                                         |
| Approvals                          | cURus<br>UL AWM 21223                                                                                |
| Cable used                         | 111603                                                                                               |
| 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+(2×1.0)+(2×AWG22))                                               |
| Number of conductors               | 8                                                                     |
| Conductor                          | CU-wire bare                                                          |
| Conductor category                 | Finely stranded DIN VDE 0295<br>IEC 60228, Class 6                    |
| Conductor marking                  | Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L- |
| Control pair                       | colour-coded black, white<br>with foil tape and braided shield        |
| Conductor insulation               | Special TPE                                                           |
| Overall stranding                  | Strands braided together                                              |
| Overall shield                     | Braid shield<br>Tinned copper wires<br>optical cover approx. 85%      |
| Jacket material                    | Special PUR                                                           |
| Surface                            | matt<br>adhesion-free                                                 |

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Jacket color

orange RAL 2003

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### General

Note

\* Allen-Bradley article designations are registered trademarks of Rockwell Allen Bradley, 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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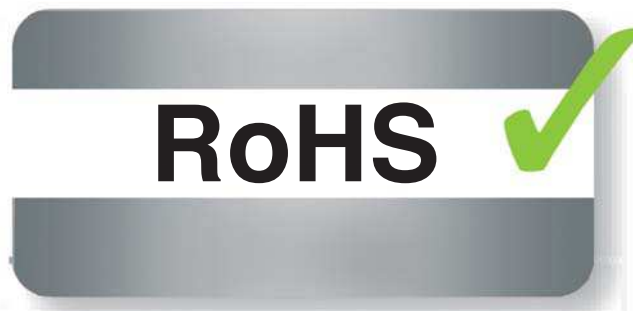
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Symbols



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