

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



Single Cable Assemblies for C-tracks

<b>Identification</b>	Type	2090-CSBM1DG-10AF10
	Part-No.	193304.1000

### Use/Application/Properties

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 Full PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants</li></ul>
Properties	<ul style="list-style-type: none"><li>• Especially for industrial environments in mechanical and system engineering</li><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>

### Technical data

Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
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07.11.2016 – Subject to technical modification

Part-No. 193304.1000

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Length	10.0 m
UL approval	AWM 21223
Test voltage	3000 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 × 7.5 fixed D × 5
Burning behavior	Flame-retardant according to VDE 0482 T 265-2, DIN EN 50265-2, IEC 60332-1-2, UL 1581 section 1080 VW-1, CSA FT 1
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	Polyolefin
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 G = with green/yellow ground conductor, × = without ground conductor
Control pair	Control pair color-coded (bw, wb), BUS element color-coded (bw, wb) Control pair and BUS element each with braided shield and foil tape
Stranding	Conductor for the power supply, element brake and element BUS braided together
Banding	Fleece wrap over cable core
Overall shield	Braid from tinned copper wire, optical coverage ≥ 85 %
Outer jacket	Jacket special-PUR, matte, adhesion-free surface
Jacket color	orange RAL 2003

### General

Note	* Allen-Bradley article designations are registered trademarks of Rockwell Allen Bradley, and are for reference purposes only The product photos are not to scale and do not represent detailed images of the respective products.
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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**

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### 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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### Logo



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