

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



Single Cable Assemblies for C-tracks

<b>Identification</b>	Type	2090-CSWM1DE-10AFxx
	Part-No.	193967.1000
System	Allen Bradley	
Allen Bradley designation*	2090-CSWM1DE-10AF10	

## Use/Application/Characteristics

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. 193967.1000

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## Technical data

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Number of conductors/cross-section	(4G6+(2×1.0)+(2×AWG22))
Number of conductors	6
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 DIN EN 50265-2 IEC 60332-1 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cURus 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.

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## Construction

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Number of conductors/cross-section	(4G6+(2×1.0)+(2×AWG22))
Number of conductors	6
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-
Control pair	colour-coded black, white with foil tape and braided shield
Conductor insulation	Special TPE
Overall stranding	Strands braided together
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	Special PUR
Surface	matt adhesion-free

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Jacket color orange RAL 2003

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### General

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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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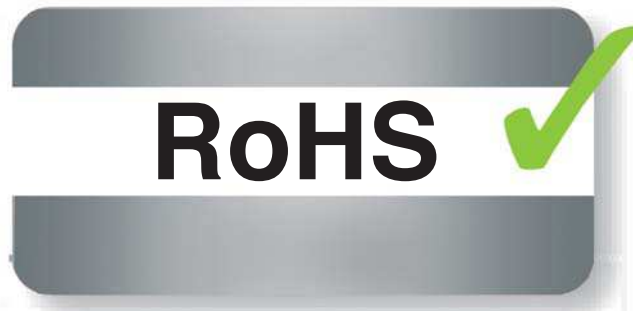
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Symbols



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