

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



Servomotor Cable Assemblies  
for C-tracks

<b>Identification</b>	Type	2090-CPBM4DF-14AF10
	Part-No.	193983.1000
System	Allen Bradley	
Allen Bradley designation*	2090-CPBM4DF-14AF10	

## Use/Application/Characteristics

Application	<ul style="list-style-type: none"><li>• Servo cables for Allen Bradley drives</li><li>• Due to optimized cable construction optimally suited for continuous flexing applications in C-tracks</li><li>• Very good resistance against aggressive coolants and lubricants</li><li>• Especially for industrial environments in machines and plants</li></ul>
Characteristics	<ul style="list-style-type: none"><li>• High active and passive interference resistance (EMC)</li><li>• Silicone free</li><li>• RoHS compliant</li></ul>

## Technical data

Number of conductors/cross-section	(4G2.5+(2×1.5))
Number of conductors	8
Outer Ø	14.2 mm
Cable length	10 m
Rated voltage	1000 V 80 °C
Rated voltage $U_0/U$	600/1000
Test voltage	4000 V
Insulation resistance	> 500 MΩ × km

29.04.2017 – Subject to technical modification

Part-No. 193983.1000

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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
Burning behavior according to	VDE 0482 Part 265-2 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	111421
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	(4G2.5+(2×1.5))
Number of conductors	8
Conductor	CU-wire bare
Conductor category	Superfinely 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 (bw, wb) or numbered (5/6/7/8) with foil tape and braided shield
Conductor insulation	Special TPE
Overall stranding	Conductors twisted without mechanical stress
Overall wrapping	Non-woven material over the cable core
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	PUR
Surface	matt adhesion-free
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
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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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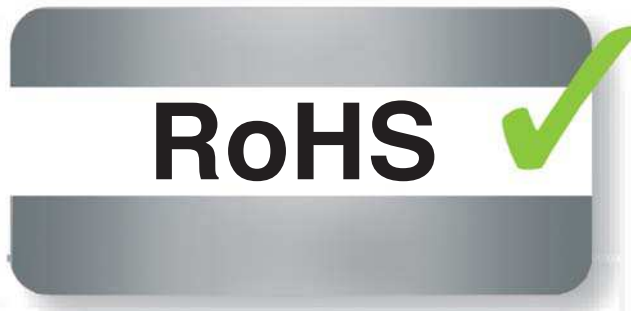
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Symbols



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