

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



Single Cable Assemblies for C-tracks

<b>Identification</b>	Type	2090-CSWM1DF-18AF10
	Part-No.	193371.1000
System	Allen Bradley	
Allen Bradley designation*	2090-CSWM1DF-18AF10	
<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. 193371.1000

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk

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

### Technical data

Number of conductors/cross-section	(4G1.0+(2×AWG22))
Number of conductors	8
Outer Ø	11.8 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	111599
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	(4G1.0+(2×AWG22))
Number of conductors	8
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

29.04.2017 – Subject to technical modification

Part-No. 193371.1000

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

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

---

Jacket color orange RAL 2003

---

### 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

29.04.2017 – Subject to technical modification

Part-No. 193371.1000

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

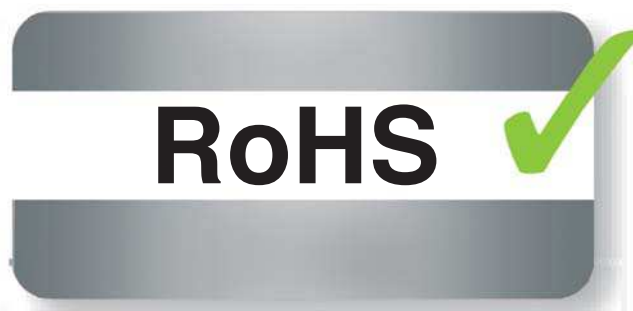
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

Symbols



29.04.2017 – Subject to technical modification

Part-No. 193371.1000

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk