

Technical data sheet - According to Allen-Bradley 2090 standard



Servomotor Cable Assemblies
for stationary applications

Identification	Type	2090-CPBM7DF-14AA10
	Part-No.	193990.1000
System	Allen Bradley	
Allen Bradley designation*	2090-CPBM7DF-14AA10	

Use/Application/Characteristics

Application	<ul style="list-style-type: none">• For Allen-Bradley standard• Connecting lead especially for frequency converters and servo drives in machine and plant construction, transport and conveyor technology• Conform with NFPA79 for machine tool wiring• Very suitable for extreme operating conditions and high interference signals• In dry, damp and wet environment• Especially for industrial environments in mechanical and system engineering
Characteristics	<ul style="list-style-type: none">• High active and passive interference resistance (EMC)• Easy installation• Resistant to most mineral and vegetable-based cutting oils• UV-resistant• Silicone and talcum free• RoHS compliant

Technical data

Number of conductors/cross-section	(4GAWG14+(2×AWG18))
Number of conductors	6
Outer Ø	12.8 mm

29.04.2017 – Subject to technical modification

Part-No. 193990.1000

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

Cable length	10 m
Rated voltage	600 V UL TC 600 V UL MTW 600 V UL AWM 105 °C 1000 V WTTC
Rated voltage U_0/U	600/1000
Test voltage	4000 V
Insulation resistance	> 500 M Ω × km
Temperature range fixed	-40 °C ... +90 °C
Temperature range moving	-5 °C ... +90 °C
Minimum bending radius fixed	6×D
Minimum bending radius moving	15×D
Approvals	cULus TC-ER UL MTW WTTC Art. 336, 392, 501 Class 1 Div. 2 per NEC cUL TC CIC FT4 UL 1277
Cable used	A3171404
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	(4GAWG14+(2×AWG18))
Number of conductors	6
Conductor	AWG conductor
Conductor marking	brown black blue
Control pair	colour-coded black, white with foil tape and braided shield
Conductor insulation	Special PVC
Overall stranding	Conductors twisted without mechanical stress
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	Special TPE
Surface	matt adhesion-free
Jacket color	orange RAL 2003

29.04.2017 – Subject to technical modification

Part-No. 193990.1000

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

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. 193990.1000

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

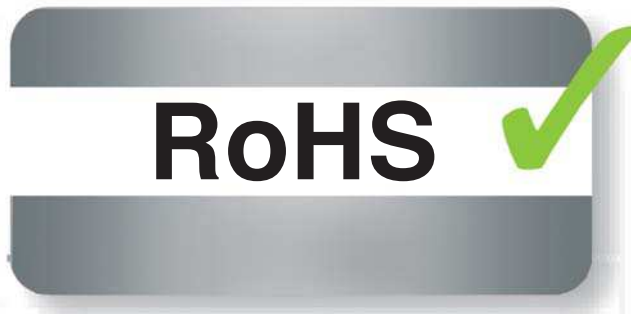
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

Symbols



29.04.2017 – Subject to technical modification

Part-No. 193990.1000

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