Technical data sheet · According to Allen-Bradley 2090 standard

Signal Cable Assemblies for stationary applications

Identification	Type	2090-CFBM7DF-CEAA10
	Part-No.	193959.1000
System	Allen Bradley	
Allen Bradley designation*	2090-CFBM7DF-CEAA10	

Use/Application/Characteristics	
Application	• Feedback cables for Allen Bradley drives • 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	• High active and passive interference resistance (EMC) • Easy installation • Specially developed TPE jacket for superior oil-resistance according to UL 1581 • Resistant to most mineral and vegetable-based cutting oils • UV-resistant • Silicone and talcum-free • RoHS compliant

Technical data	
Number of conductors/cross-section	(5×2×AWG22)
Number of conductors	10
Cable length	10 m

USA: LUTZE INC.
13330 South Ridge Drive • Charlotte, NC 28273, USA
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www.lutze.com • info@lutze.com

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Rated voltage	300 V UL PLTC-ER 300 V UL CM 600 V UL AWM 90 °C
Test Voltage	1500 V
Insulation resistance at 20 °C	≥ 200 MΩ×km
Temperature range fixed	-40 °C … +90 °C (105 °C)
Temperature range moving	-5 °C … +90 °C
Minimum bending radius fixed	6×D
Minimum bending radius moving	15×D
Burning behavior according to	UL Vertical-Tray UL VW-1
Oil resistant according to	UL 1581 4 days at 100 °C 60 days at 75 °C
Oil resistance	4 days in oil at 100 °C 60 days in oil at 75 °C
Approvals	PLTC-ER NEC 725, 760, 800 Class 1 Div. 2 per NEC CE UL cULus
Cable used	A1410001
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	(5×2×AWG22)
Number of conductors	10
Conductor	AWG conductor CU-wire tin-plated
Conductor marking	Colour coded
Conductor insulation	Special PVC
Overall shield	Aluminium laminate Foil shield Braid shield Tinned copper wires optical cover approx. 85% drain wire
Jacket material	TPE
Jacket color	green RAL 6018

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

Symbols

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