

# Feedback Cable Assemblies for continuous flexing

According to Allen-Bradley 2090 standard



## Application

- Servo feedback cables for Allen-Bradley drives
- Due to optimized cable construction optimally suited for continuous flexing applications in C-tracks
- Very good resistance against aggressive coolants and lubricants
- Especially for industrial environments in machines and plants

## Characteristics

- High active and passive interference resistance (EMC)
- Silicone free
- RoHS compliant

## Technical data

Rated voltage $U_N$	1000 V 80 °C
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6×D
Minimum bending radius moving	12×D
Burning behavior according to	IEC 60332-1 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Certifications	cULus UL AWM 21223

## Construction

- Conductor: CU-wire bare
- Conductor category: Superfinely stranded DIN VDE 0295, IEC 60228, Class 6
- Conductor marking: Color coded
- Ground conductor green/yellow according to DIN EN 50334  
G = with green/yellow ground conductor, × = without ground conductor
- Control pair:
- Overall stranding: conductors layered construction
- Overall wrapping: Fleece taping, over the cable core
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket material: PUR
- Surface: matt, adhesion-free
- Jacket color: green RAL 6018

Part No.	Allen-Bradley designation*	Cable length m	Number of conductors/ cross-section	Outer Ø mm
<b>Base cable SpeedTec</b>				
193977.1000	2090-CFBM7DF-CEAF10	10.0	(5×2×AWG22)	9.2
193958.1000	2090-CFBM7DF-CDAF10	10.0	(2×AWG16+2×AWG22+ 6×2×AWG26)	10.8
193350.1000	2090-CFBM7DD-CEAF10	10.0	(5×2×AWG22)	9.2
<b>DIN thread</b>				
193973.1000	2090-CFBM4DF-CDAF10	10.0	(2×AWG16+2×AWG22+ 6×2×AWG26)	10.8
<b>Extension SpeedTec</b>				
193979.1000	2090-CFBM7E7-CEAF10	10.0	(5×2×AWG22)	9.2
193978.1000	2090-CFBM7E7-CDAF10	10.0	(2×AWG16+2×AWG22+ 6×2×AWG26)	10.8

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\* UL approval and technical data shown apply to the cable used in the assemblies.  
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