

Servomotor Cable Assemblies for stationary applications

According to Allen-Bradley 2090 standard



Application

- 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, moist and wet environment
- Especially for industrial environments in mechanical and system engineering

Characteristics

- High active and passive interference resistance (EMC)
- Easy installation
- Largely resistant to mineral and vegetable-based cutting oils
- UV-resistant
- Silicone and talcum free
- RoHS compliant

Technical data

Rated voltage U_N	1000 V Flexible Motor Supply 1000 V WTTC 600 V UL TC 600 V UL MTW 600 V UL AWM 105 °C
Test voltage	4000 V
Insulation resistance at 20 °C	≥ 500 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
Certifications	UL Flexible Motor Supply Cable UL Type WTTC 1000 V UL Type TC-ER MTW 600 V UL AWM Style 20328 CE RoHS REACH Class 1 Div. 2 per NEC Art. 336, 392, 501 C(UL) TC and CIC FT4 UL 1277 Oil Res I and II

Construction

- Conductor: AWG conductor, CU-wire bare
- Conductor insulation: PVC/Nylon
- Conductor marking: brown, black, blue
- Ground conductor green/yellow according to DIN EN 50334
- Control pair: colour-coded black, white, with foil tape and braided shield
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket material: TPE
- Surface: matt, adhesion-free
- Jacket color: orange RAL 2003

Part No.	Allen-Bradley designation*	Cable length m	Number of conductors/ cross-section	Outer Ø mm
Base cable SpeedTec				
193966.1000	2090-CPWM7DF-16AA10	10.0 m	(4GAWG16)	10.5
193956.1000	2090-CPWM7DF-14AA10	10.0 m	(4GAWG14)	11.6
193352.1000	2090-CPWM7DF-12AA10	10.0 m	(4GAWG12)	13.1
193306.1000	2090-CPWM7DF-10AA10	10.0 m	(4GAWG10)	16.5
193353.1000	2090-CPWM7DF-08AA10	10.0 m	(4GAWG8)	21.0
193960.1000	2090-CPBM7DF-16AA10	10.0 m	(4GAWG16+(2×AWG18))	12.1
193990.1000	2090-CPBM7DF-14AA10	10.0 m	(4GAWG14+(2×AWG18))	12.8
193356.1000	2090-CPBM7DF-12AA10	10.0 m	(4GAWG12+(2×AWG18))	14.2
193962.1000	2090-CPBM7DF-10AA10	10.0 m	(4GAWG10+(2×AWG18))	18.1
193357.1000	2090-CPBM7DF-08AA10	10.0 m	(4GAWG8+(2×AWG18))	22.5
193961.1000	2090-CPBM7DF-06AA10	10.0 m	(4GAWG6+(2×AWG18))	24.6
193362.1000	2090-CPBM7DF-04AA10	10.0 m	(4GAWG4+(2×AWG18))	29.5
193369.1000	2090-CPBM7DF-02AA10	10.0 m	(4GAWG2+(2×AWG18))	34.1

*Allen-Bradley, Kinetix®, and 2090 series article designations are trademarks of Rockwell Automation, Inc. and are for reference purposes only.

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

The product photos are not to scale and do not represent detailed images of the respective products.

Specifications are subject to change without prior notice.