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 ∅ 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.
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