

Technical data sheet

Servomotor Cable Assemblies for stationary applications

According to Allen-Bradley 2090 standard



Identification

Type	2090-CPBM7DF-06AA10
Part No.	193961.1000
Allen Bradley designation*	2090-CPBM7DF-06AA10
System	Allen Bradley

Product version

Datasheet version	00
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Use/Application/Properties

Application	• Especially for industrial environments in mechanical and system engineering • Reinforced insulation with additional relief layer • Based on NFPA 79 standards • TC-ER for use in machines and open cable ducts • UL Type 1000 V Flexible Motor Supply Cable for connection to motors • In dry, damp and wet rooms
Properties	• Improved Design with conductor stress relief layer helps to prevent premature cable failure and reduces corona effects, increasing reliability and lifetime • Flexible wires with nylon for better resistance to pressure and impacts as per UL 1277 • High flexibility for complex installation distances and small bending radii • Improved oil resistance due to specifically developed TPE jacket • UV-resistant • Silicone free • RoHS compliant

Technical data

Number of conductors/cross-section	(4GAWG6+(2×AWG18))
Number of conductors	6
Outer Ø	24.6 mm
Cable length	10 m
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

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Test voltage type	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×cable OD
Minimum bending radius moving	15×cable OD
Cable used	A3170604
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	(4GAWG6+(2×AWG18))
Number of conductors	6
Conductor	AWG conductor CU-wire bare
Conductor marking	brown • black • blue
Control pair	colour-coded black, white with foil tape and braided shield
Conductor insulation	PVC/Nylon
Overall shield	Braid shield tinned copper wires optical cover approx. 85 %
Jacket material	TPE
Jacket color	orange RAL 2003
Surface	matte, adhesion-free

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
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Approvals/Standards

Approvals	UL Flexible Motor Supply Cable
	UL Type WTTC 1000 V
	UL Type TC-ER
	MTW 600 V
	UL AWM Style 20328
	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