

Technical data sheet - According to Allen-Bradley 2090 standard



Servomotor Cable Assemblies
for stationary applications

Identification	Type	2090-CPWM7DF-16AA10
	Part-No.	193966.1000
System	Allen Bradley	
Allen Bradley designation*	2090-CPWM7DF-16AA10	

Use/Application/Characteristics

Application	<ul style="list-style-type: none">• 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 1000V Flexible Motor Supply Cable for connection to motors• In dry, moist and wet rooms
Characteristics	<ul style="list-style-type: none">• Wire insulation reinforcing layer protects against premature cable failure due to reduced corona effect and therefore improves reliability and the life span• 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	(4GAWG16)
Number of conductors	4

26.11.2017 – Subject to technical modification

Part-No. 193966.1000

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SYSTEMATIC TECHNOLOGY

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Cable length	10 m
Rated voltage	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
Approvals	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
Cable used	A3161604
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	(4GAWG16)
Number of conductors	4
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

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Surface	matt adhesion-free
Jacket color	orange RAL 2003

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

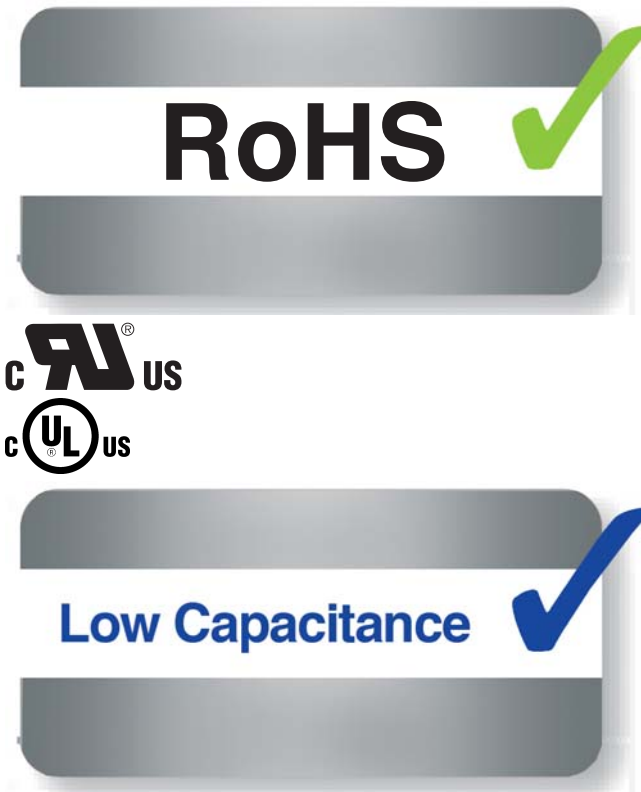
4 digits after the dot: length code in cm

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
-

Symbols



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