

Single Cable Assemblies for C-tracks

According to Allen-Bradley 2090 standard



Application

- Combined power supply cable with motor supply, brake and digital feedback especially for SERVO drives in machine and plant construction, transport and conveyor technology
- Through Full PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely harsh operating conditions and aggressive coolants and lubricants
- Especially for industrial environments in mechanical and system engineering

Properties

- High active and passive interference resistance (EMC)
- Braided shield optimised for continuous flexible use
- Very good alternating bending strength
- Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant
- Hydrolysis-resistant, microbe-resistant, and rot-resistant
- Weathering, ozone and UV resistant (normal lighting conditions)
- Good resistance to use and salt water
- Excellent coolant and lubricant resistance
- Largely resistant to oils, greases, alcohol-free benzines and kerosene
- Halogen free
- Silicone and talcum free
- RoHS compliant

Technical data

UL approval	AWM 21223
Nominal voltage	1000 V 80 °C
Test voltage	3000 V
Insulation resistance	min. 500 MΩ × km
Temperature range	
moving	-25 °C to +80 °C
fixed	-40 °C to +80 °C
Minimum bending radius	
moving	D × 7.5
fixed	D × 5
Burning behavior	Flame-retardant according to VDE 0482 T 265-2, DIN EN 50265-2, IEC 60332-1-2, UL 1581 section 1080 VW-1, CSA FT 1
Halogen free	according to DIN EN 50267-2-1

Note

max cable length according to Allen-Bradley specifications

Base cable for Kinetix 5500 Drives max. 50 m
 Base cable for Kinetix 5700 Drives max. 90 m
 Extension cable max. 30 m

Construction

- Bare copper braid, fine stranded according to DIN VDE 0295 class 6, IEC 60228 class 6
- Conductor insulation Polyolefin
- Conductor marking Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
 G = with green/yellow ground conductor, x = without ground conductor
- Control pair color-coded (bw, wb), BUS element color-coded (bw, wb)
- Control pair and BUS element each with braided shield and foil taping
- Strands for the power supply, element brake and element BUS braided together
- Non-woven material over cable core
- Braid from tinned copper wire, optical coverage ≥ 85 %
- Jacket special-PUR, matt, adhesion-free surface
- Jacket color orange RAL 2003

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

Part No.	Allen-Bradley designation	Length m	Number of strands/ cross-section	OD Ø ca. mm
Base cable SpeedTec				
193366.1000	2090-CSBM1DF-18AF10	10	(4G1.0+(2×0.75)+(2×AWG22))	11.8
193364.1000	2090-CSBM1DF-14AF10	10	(4G2.5+(2×1.0)+(2×AWG22))	14.0
193371.1000	2090-CSWM1DF-18AF10	10	(4G1.0+(2×AWG22))	11.8
193370.1000	2090-CSWM1DF-14AF10	10	(4G2.5+(2×AWG22))	14.0
193375.1000	2090-CSBM1DF-10AF10	10	(4G6+(2×1.0)+(2×AWG22))	17.8
193376.1000	2090-CSWM1DF-10AF10	10	(4G6+(2×AWG22))	17.8
193300.1000	2090-CSBM1DG-18AF10	10	(4G1.0+(2×0.75)+(2×AWG22))	11.8
193302.1000	2090-CSBM1DG-14AF10	10	(4G2.5+(2×1.0)+(2×AWG22))	14.0
193304.1000	2090-CSBM1DG-10AF10	10	(4G6+(2×1.0)+(2×AWG22))	17.8
193305.1000	2090-CSWM1DG-18AF10	10	(4G1.0+(2×0.75)+(2×AWG22))	11.8
193310.1000	2090-CSWM1DG-14AF10	10	(4G2.5+(2×1.0)+(2×AWG22))	14.0
Base cable with 2198-KITCON-DSL				
193952.1000	2090-CSBM1DE-18AF10	10	(4G1.0+(2×0.75)+(2×AWG22))	11.8
193963.1000	2090-CSBM1DE-14AF10	10	(4G2.5+(2×1.0)+(2×AWG22))	14.0
193379.1000	2090-CSWM1DE-18AF10	10	(4G1.0+(2×AWG22))	11.8
193955.1000	2090-CSWM1DE-14AF10	10	(4G2.5+(2×AWG22))	14.0
193968.1000	2090-CSBM1DE-10AF10	10	(4G6+(2×1.0)+(2×AWG22))	17.8
193967.1000	2090-CSWM1DE-10AF10	10	(4G6+(2×AWG22))	17.8
Extension SpeedTec				
193373.1000	2090-CSBM1E1-18AF10	10	(4G1.0+(2×0.75)+(2×AWG22))	11.8
193374.1000	2090-CSBM1E1-14AF10	10	(4G2.5+(2×1.0)+(2×AWG22))	14.0
193377.1000	2090-CSBM1E1-10AF10	10	(4G6+(2×1.0)+(2×AWG22))	17.8