KINETIX 2090 SINGLE MOTOR CABLE

Product Data Sheet

2090-CSBM1DE-18AF11

Continuous-flex motor cable

CABLE LENGTH	POWER CONDUCTOR SIZE	NOMINAL CONDUCTOR CROSS-SECTION	CABLE MATERIAL
11 m	**18 AWG**	**0.82 mm2**	**TPE**

Allen-Bradley 2090-CSBM1DE-18AF11 is an 11 m Kinetix 2090 single motor cable for Kinetix 5700 servo drives and Kinetix VP motors. The hybrid cable combines motor power, digital feedback communication and two brake conductors in an orange continuous-flex TPE jacket.

01 TECHNICAL DATA

Cable length	11 m
Power conductor size	18 AWG
Nominal conductor cross-section	0.82 mm2
Cable material	TPE
Cable style	Continuous-flex
Cable function	Power, feedback and brake conductors
Drive-end termination	Flying leads with pre-wired DSL kit
Motor-end connector	Single SpeedTec DIN connector
Nominal voltage	1000 V
Number of cores	8

Rockwell Automation 2090-IN051F-EN-P, Kinetix 2090 Single Motor Cables Installation Instructions

02 ADDITIONAL PRODUCT DATA

Outer diameter	15 mm approx
Continuous bend radius	150 mm
Continuous bend factor	10 times cable diameter
Rated flex life	20 million cycles
Maximum conductor temperature	105 degree C

03 PRODUCT FUNCTION

This exact configuration uses 18 AWG power conductors, a single SpeedTec DIN motor-end connector, flying power and brake leads at the drive end, and a factory pre-wired 2198-KITCON-DSL feedback connector. The cable has an approximate 15 mm outer diameter, a 150 mm continuous bend radius and a documented 20 million flex-cycle rating at that radius.

04 SYSTEM COMPATIBILITY

Route the 11 m continuous-flex cable along the neutral axis of the cable carrier and maintain the documented 150 mm bend radius. Secure the non-flexing areas near each end so repeated motion does not load the connector or shield-clamp termination.

05 REFERENCE

Rockwell Automation 2090-IN051F-EN-P, Kinetix 2090 Single Motor Cables Installation Instructions

AMIKON PRODUCT SUPPORT

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