OVERVIEW
SOFTWARE
D-STYLE MOTORS
D-STYLE CONNECTIVITY
PERIPHERALS
M-STYLE MOTORS
M-STYLE CONNECTIVITY
LINEAR SYSTEMS
POWER SUPPLIES & SHUNTS
GEAR HEADS
APPENDIX

CBLSMADD-xM (Moog Animatics "Add-A-Motor™" Cable)

Power and Communications Daisy Chain Cable for Networking Power and Communications to Multiple Moog Animatics SmartMotor Servos
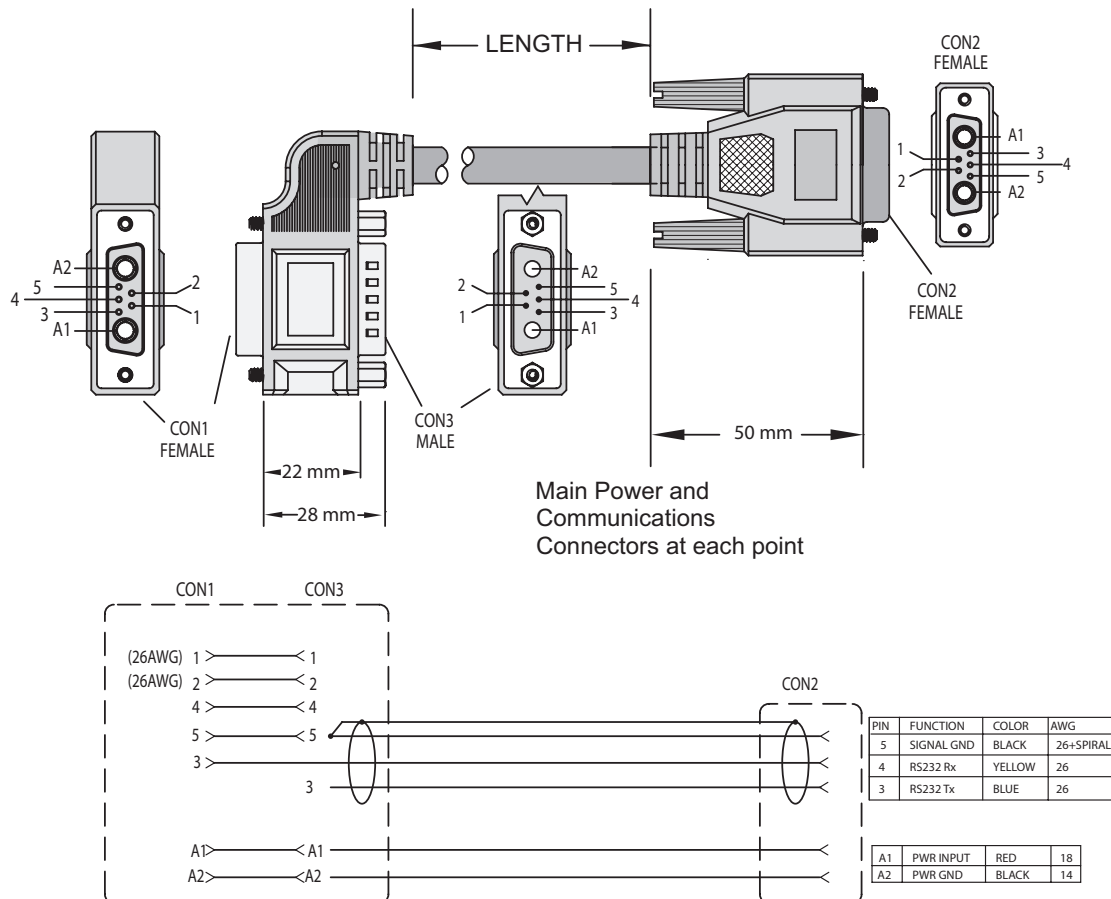
CBLSMADD series is the main power and communications cable consisting of a feed-through 7W2 main motor connector split out to a single second motor 7W2 connector.

The cable is designed to allow ease of connection to multiple motors in a single RS-232 serial daisy chain network. The Main Power Ground wire is of a larger gauge to decrease noise emissions at the ground-plane level. The RS-232 Communications lines are internally shielded from the power lines.

Part Number	Length
CBLSMADD-0.3	0.3 meters
CBLSMADD-1.0	1 meters
CBLSMADD-3.0	3 meters
CBLSMADD-7.5	7.5 meters

NOTE: Due to gauge of the main power lines, it is not recommended to use the "Add-A-Motor" cables with the larger 34 frame SmartMotor. If there is just one 34 frame SmartMotor in a system design, then it should be the first motor in the chain so as to minimize voltage drop effects over the entire network.

LENGTH

CON2 FEMALE

CON2 FEMALE

CON1 FEMALE

CON3 MALE

22 mm

28 mm

50 mm

Main Power and Communications Connectors at each point

CON1   CON3

(26AWG) 1 — 1
(26AWG) 2 — 2
4 — 4
5 — 5
3 — 3
3

CON2

A1 — A1
A2 — A2

PIN	FUNCTION	COLOR	AWG
5	SIGNAL GND	BLACK	26+SPIRAL
4	RS232 Rx	YELLOW	26
3	RS232 Tx	BLUE	26

A1	PWR INPUT	RED	18
A2	PWR GND	BLACK	14