

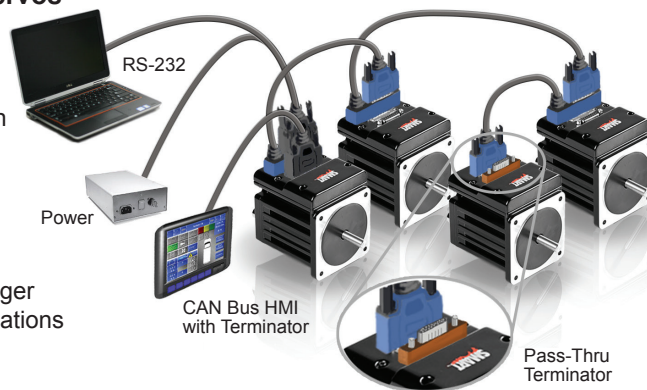
Power and Communication Cables – CDS7 Cable

CBLSMCDs-xM – CDS7 “Add-A-Motor™” Cable

Power, RS-232 and CAN Bus Communications Daisy Chain Cable for Single-Cable Connections Between Multiple Moog Animatics SmartMotor™ Servos

CBLSMCDs series is the "Add-A-Motor" -style power and communications cable for a CDS7-equipped SmartMotor. It consists of a pass-thru 7W2 main motor connector split out to a single second motor 7W2 connector. This single cable is capable of carrying power, RS-232 and CAN Bus communications from motor to motor using only the 7W2 connector.

The CBLSMCDs cable is designed to allow ease of connection to multiple motors in a single daisy-chain network. The main power ground wire is a larger gauge to decrease noise emissions at the ground-plane level. All communications lines are internally shielded from the power lines.



Part Number	Length
CBLSMCDs-0.3	0.3 meters
CBLSMCDs-0.9	0.9 meters
CBLSMCDs-3.0	3 meters
CBLSMCDs-7.5	7.5 meters

NOTES: CBLSMCDs series cables with blue overmolded connectors are designed for the Class 5 D-Style SmartMotor with the CDS7 option only. DO NOT use these cables with standard Class 5 D-Style SmartMotors.

The two end nodes of the CAN Bus network must be terminated with a 120 ohm terminator (shunt) for proper biasing. If an end node is a SmartMotor, a pass-thru terminator is available (PN: CBLSM-TR120) that attaches directly to the motor's 15-pin D-sub connector to serve as the terminator.

Figure 1

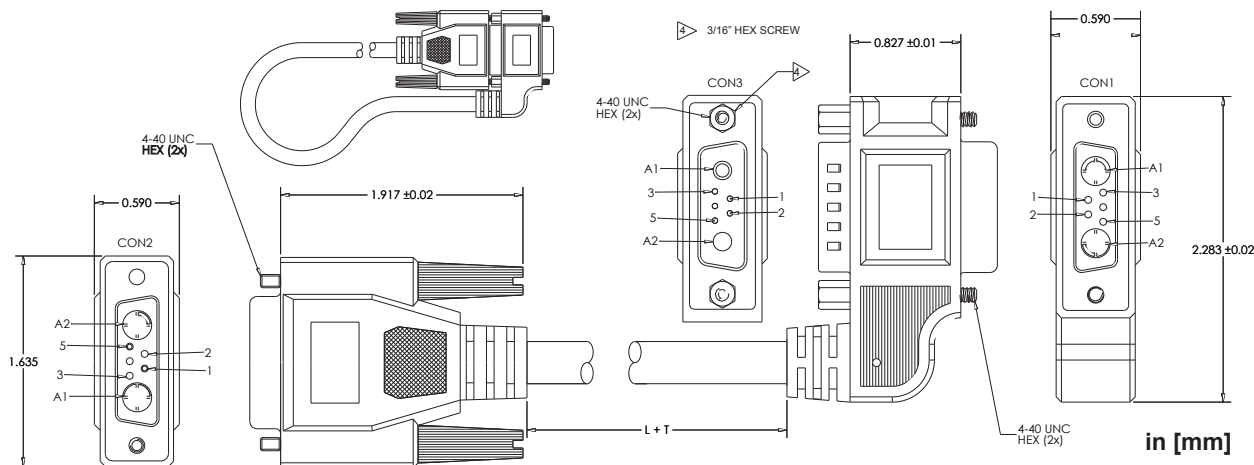
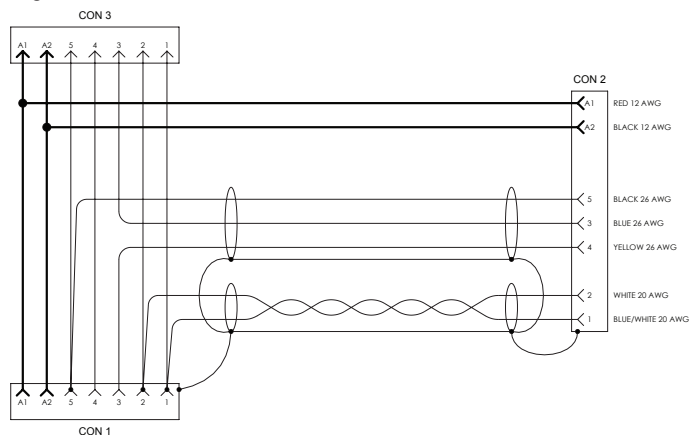


Figure 2



Connector Pinouts

CON 3 PIN	AWG - Color/Stripe	CON 1 PIN	AWG - Color/Stripe	CON 2 PIN	Description
1	20 - Any	1	20 - Blue/White	1	CAN Bus Low
2	20 - Any	2	20 - White	2	CAN Bus High
3		NC	26 - Blue	3	RS-232 TX
NC		3	26 - Yellow	4	RS-232 Crossover
4	26 - Any	4		NC	RS-232 RX
5	26 - Any	5	26 - Black	5	Signal Return
A1	12 - Any	A1	*12 - Red	A1	Power
A2	12 - Any	A2	*12 - Black	A2	Ground

*CON 2 PIN A1 and A2 wires spliced to wires between CON 1 and 3. Terminate 20/26 AWG shield drain wires to CON 1 and CON 2 as shown in Figure 2.

Specifications are subject to change without notice. Consult website and factory for latest data.

CAUTION: When using these cables with the larger 34 frame motors, please consult the factory for power limitations.