

## Cordsets

19-pin M23 single-ended cordsets are offered to speed prototyping of the sealed MDrivePlus-65. Measuring 13.0' (4.0m) long, they are available in either straight or right angle termination. PVC jacketed cables come with a foil shield and unconnected drain wire.

Straight Termination ..... MD-CS100-000  
 Right Angle Termination ..... MD-CS101-000

## Pin Assignment and Wire Colors

Wires marked in bold italics represent the option internal encoder. If the encoder is not installed, the wires are no connect.

P1 - Expanded I/O Configuration		
Cordset Wire Color	Function (Expanded I/O)	MDrive P1
Violet	Opto Reference	Pin 1
Red	Enable	Pin 2
<b>Grey</b>	<b>IDX+</b>	<b>Pin 3</b>
<b>Red/Blue</b>	<b>CH B+</b>	<b>Pin 4</b>
<b>Green</b>	<b>CH B-</b>	<b>Pin 5</b>
Blue	+VDC	Pin 6
<b>Gray/Pink</b>	<b>CH A+</b>	<b>Pin 7</b>
White/Green	MOSI	Pin 8
White/Yellow	CS	Pin 9
White/Gray	+5 VDC Output	Pin 10
Black	Comm GND	Pin 11
Green/Yellow	Shell Connect	Pin 12
Yellow/Brown	Direction/Channel B/ Clock Down	Pin 13
<b>Brown/Green</b>	<b>IDX-</b>	<b>Pin 14</b>
<b>White</b>	<b>CH A-</b>	<b>Pin 15</b>
Yellow	SPI Clock	Pin 16
Pink	MISO	Pin 17
Gray/Brown	Step Clock/Channel A/ Clock Up	Pin 18
Brown	Power Ground	Pin 19

Table D.2: MD-CS10x-000 Wire Color Chart

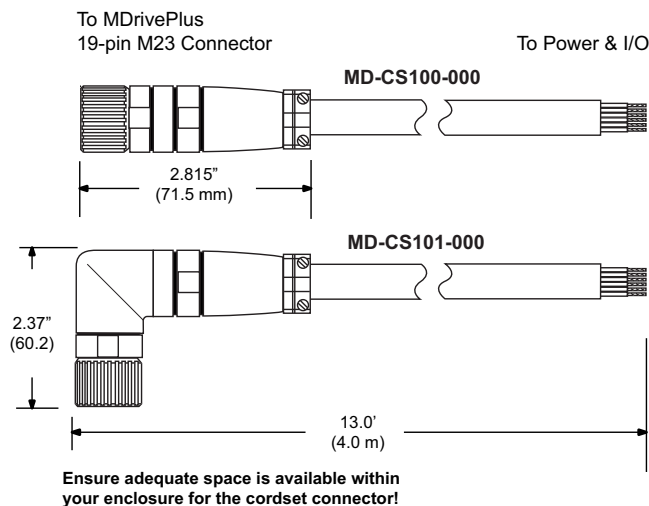


Figure D.12: MD-CS10x-000