



## CA-MD6A-SS-MD6 Product Description

6-pin modular connectors on both ends of an unshielded silver satin 28 AWG cable. This cable is intended for connecting a *single analog output A2 version* of US Digital's A2 Absolute Optical Shaft Encoder (<https://www.usdigital.com/products/encoders/absolute/shaft/a2/>) to the digital SEI bus for serial communication; there is no connection from the analog signals on wires 2 and 3 to one of the cable connectors, preventing analog signals from being interpreted as BUSY conditions.



**Please note:** This cable is not suited for use in situations where one wants to extract and use the analog signals; the cable better suited for that purpose is CA-MD6-SS-MD6 (<https://www.usdigital.com/products/accessories/cables/6-pin/ca-md6-ss-md6/>).

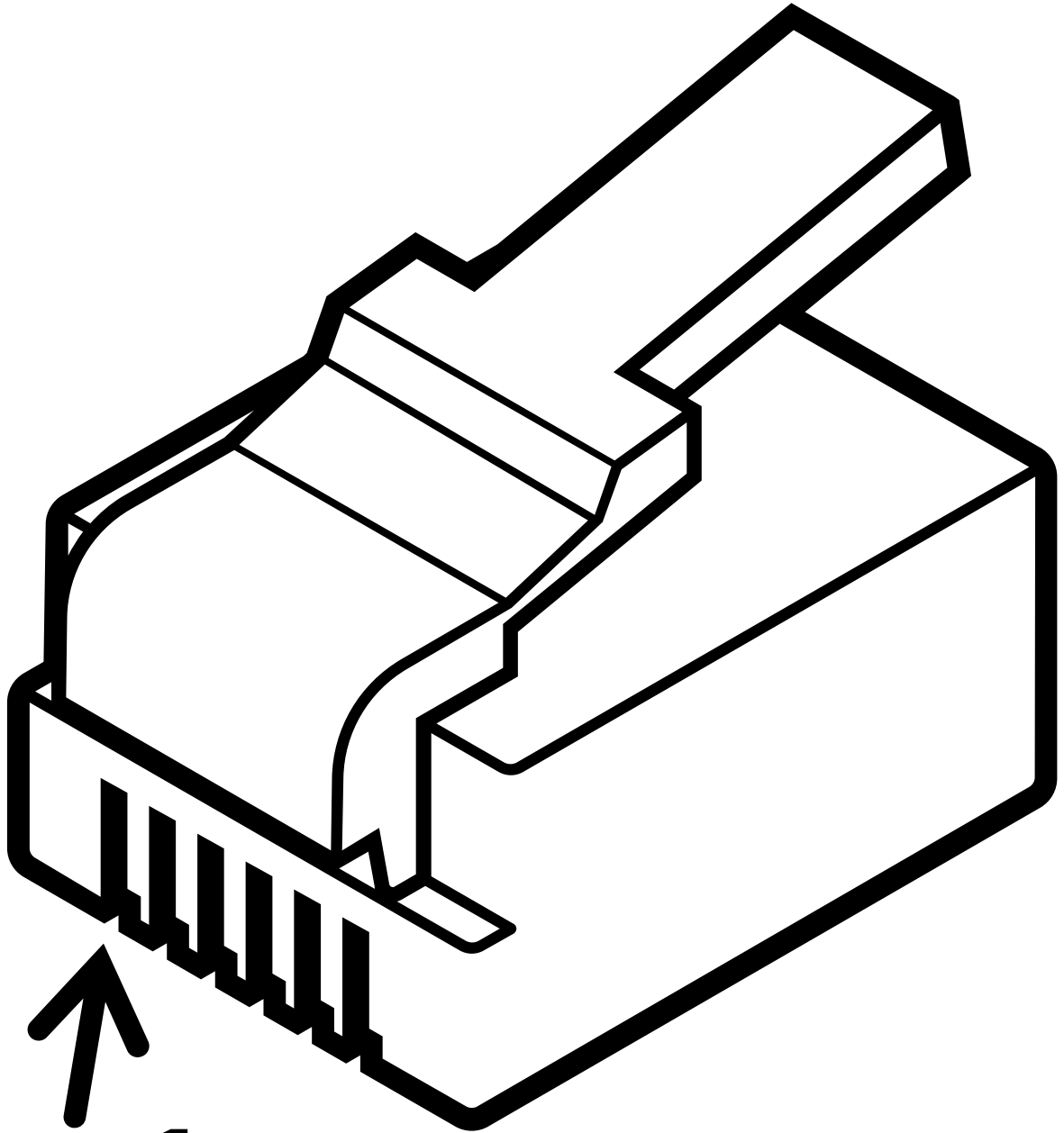
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**WARNING:** This product can cause exposure to substances, such as *phthalate plasticizers*, known to the State of California to cause cancer and reproductive harm. For more information, go to [oehha.ca.gov/proposition-65](https://oehha.ca.gov/proposition-65) (<https://oehha.ca.gov/proposition-65>).

## Specifications

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### PIN-OUT



**Pin 1**



PIN	SEI BUS	COLOR
1	Ground	Blue
2	No connection	Yellow
3	No connection	Green
4	Power	Red
5	DataL (quiescent high in Mark condition)	Black
6	DataH (quiescent low in Mark condition)	White

## Notes

- US Digital® warrants its products against defects in materials and workmanship for two years. See complete warranty (<https://www.usdigital.com/company/warranty>) for details.

## Configuration Options

CA-MD6A-SS-MD6	-	First Connector	-	Cable Type	-	Second Connector	-	Length
		MD6A		SS		MD6		Length

**PLEASE NOTE: This chart is for informational use only.** Certain product configuration combinations are not available. Visit the CA-MD6A-SS-MD6 product page (<https://www.usdigital.com/products/CA-MD6A-SS-MD6>) for pricing and additional information.