



## CA-FC5-SH-RC7 Product Description

This shielded cable connects to US Digital's HD25 Industrial Rugged Metal Optical Encoder (<https://www.usdigital.com/products/encoders/incremental/shaft/hd25/>) via a circular 7-pin screw-on connector, and it has a 5-pin latching connector on the other end. It is typically used to convey quadrature and index channels from the HD25 to an encoder interface with single-ended inputs.

**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>).

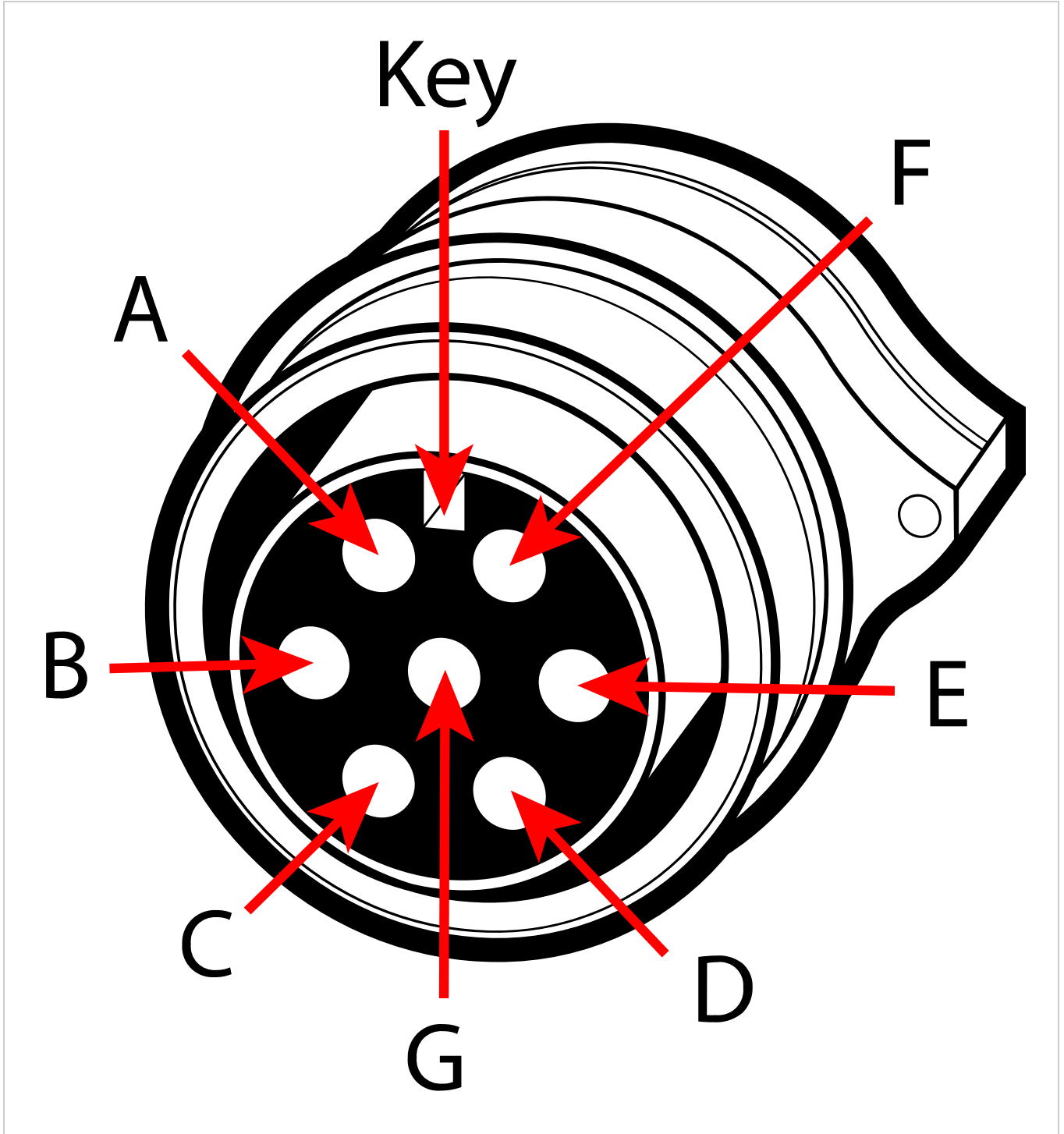
## Specifications

### PIN OUT

#### 5-Pin Side:

PIN	DESCRIPTION	COLOR
1	Ground	Brown /White Stripe
2	Index	White / Orange Stripe
3	A channel	White / Blue Stripe
4	+5VDC power	Orange / White Stripe
5	B channel	White / Brown Stripe

#### 7-Pin Side:





PIN	DESCRIPTION	COLOR
A	A Channel	White / Blue Stripe
B	B Channel	White / Brown Stripe
C	I Channel	White / Orange Stripe
D	+VDC	Orange / White Stripe
E	-	-
F	Common	Brown / White Stripe
G	-	-

## 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-FC5-SH-RC7	-	CONNECTOR_1	-	CABLE_TYPE	-	CONNECTOR_2	-	CABLE_LENGTH
		FC5		SH		RC7		Length

**PLEASE NOTE: This chart is for informational use only.** Certain product configuration combinations are not available. Visit the CA-FC5-SH-RC7 product page (<https://www.usdigital.com/products/CA-FC5-SH-RC7>) for pricing and additional information.