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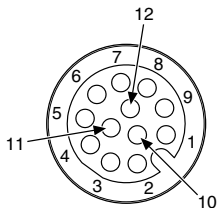
**ISC-1780**

## CABLE PINOUT

# A-Code M12 to Pigtail Power and I/O Cable

The A-Code M12 to Pigtail Power and I/O Cable (NI part number 145233-03) provides power to the NI ISC-178x smart camera and transmits digital I/O signals.

**Figure 1.** A-Code M12 to Pigtail Power and I/O Cable Pinout



**Table 1.** A-Code M12 to Pigtail Power and I/O Cable Wire Designations

Pin	Signal	Color	Description
1	C <sub>OUT</sub>	Brown	Common reference (negative) for isolated outputs
2	Analog Out	Blue	Analog reference output for lighting controller
3	Iso Out 2+	White	General-purpose isolated output (positive)
4	V	Green	System power voltage (24 VDC ± 10%)
5	Iso In 0	Pink	General-purpose isolated input
6	C <sub>IN</sub>	Yellow	Common reference (positive or negative) for isolated inputs
7	Iso In 2	Black	General-purpose isolated input
8	Iso In 3	Gray	<b>(NI Linux Real-Time)</b> Reserved for safe mode <b>(Windows)</b> General-purpose isolated input
9	Iso In 1	Red	General-purpose isolated input
10	Iso Out 0+	Violet	General-purpose isolated output (positive)
11	C	Gray/pink	System power and analog reference common
12	Iso Out 1+	Red/blue	General-purpose isolated output (positive)

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