

Cognex Power-I/O Cable

CCB-PIO-M8-6M-05

CCB-PIO-M8-6M-10

- **Trusted Cognex® brand**
- **Designed for Cognex Industrial Camera**



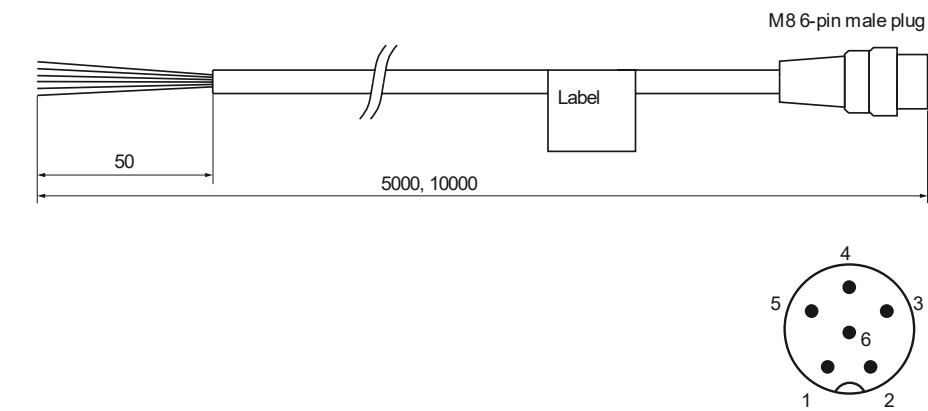
- M8 6-pin Connector and Open End
- CE (includes RoHS), and REACH compliant

Specifications

Model	CCB-PIO-M8-6M-05	CCB-PIO-M8-6M-10
Cable Length	5 m	10 m

Model Name	CCB-PIO-M8-6M-05 / CCB-PIO-M8-6M-10
Camera-side Connector	M8 6-pin, male plug, A standard coding
Host-side Connector	None, open end
Cable Cross-section	6 × AWG 24 (6 × near 0.2 mm ²)
Cable Diameter	5.5 mm
Wire Insulation Cable Shielding	PVC Tinned braided copper, min. 80 % coverage
Outer Jacket	PUR, black, halogen-free
Minimum Bending Radius	55 mm
Suitable for Drag Chain Applications	No
Suitable for Robotics Applications	No
Maximum Operating Voltage	30 VDC AC/DC
Maximum Rated Current	1 A
Wire Resistance	Power-I/O cable M8 6-pin open, 5 m: 0.5 Ω Power-I/O cable M8 6-pin open, 10 m: 1 Ω
Operating Temperature	-25–80 °C, not moving
Contact Plating	Ni/Au
Protection Rating	IP67 in locked position
Conformity	CE (includes RoHS), REACH

Cable Drawing



Wiring Information

Pin Number	Wiring Color	Function
1	Brown	AUX power (not for ace 2 R USB, Basic product line)
2	White	Opto-isolated I/O-input, Line 1
3	Blue	Opto-isolated ground
4	Black	GPIO I/O, Line 2
5	Gray	GPIO I/O, Line 3
6	Pink	Ground for AUX power and GPIO

Shielding Installation

Component	Form	Function
Shell	Braid	Shield

COGNEX

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