

Accessories

- 12p/open, P
- Basler Opto-GP-I/O Y-Cable, HRS 6p/open, P, 2 x 10 m
- Basler Opto-I/O Cable, HRS 6p/open, P
- Basler Power Cable, HRS 6p/open, P
- Basler Power-I/O Cable, HRS 6p/open, twisted, P
- Basler Power-I/O PLC+ Cable, HRS 6p/open, P

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Basler Power-I/O Cable, HRS 6p/open, twisted, P

Power-I/O cable with HRS 6-pin connector and open end.



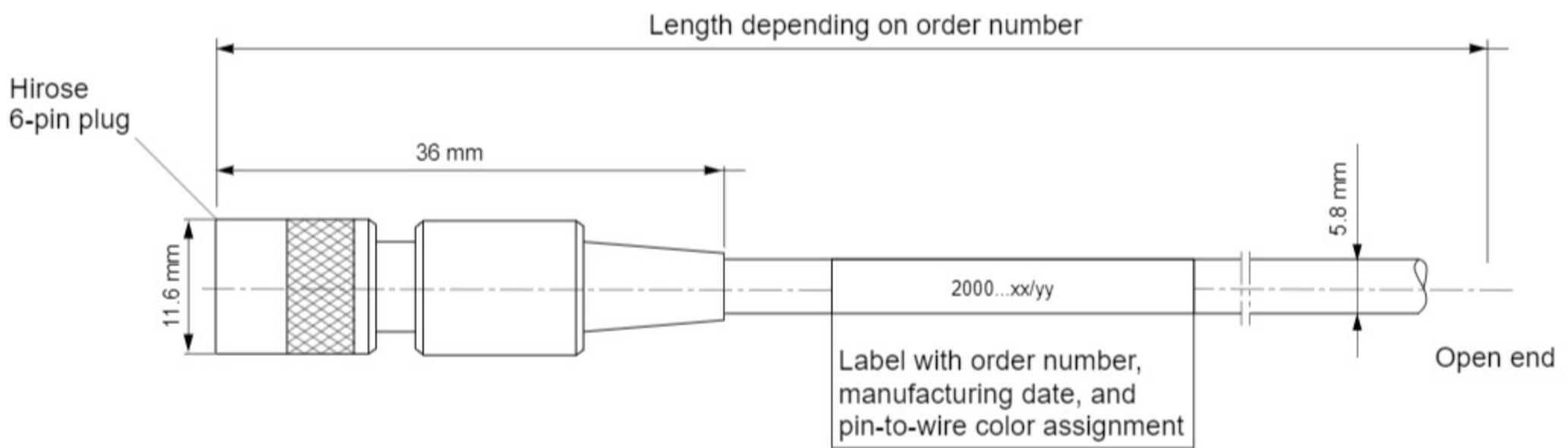
Info

The cable is suitable for the following camera models:

- ace GigE (cable not recommended for use with GPIO)
- aviator CL (power only)

Order Number	Cable Length
2200000189	5 m
2000029411	10 m

Cable Drawing



CAUTION – Personal Injury Hazard

Wiring Information

Pin Number	Wire Color	ace GigE without GPIO	ace GigE with GPIO	aviator CL
1	Brown	Camera Power	Camera Power	Camera Power
2	Pink	Opto-isolated IN (Line1)	Opto-isolated IN (Line1)	Camera Power
3	Green	Not connected	GPIO (Line 3)	Not connected
4	Yellow	Opto-isolated OUT (Out1)	Opto-isolated OUT	Not connected
5	Gray	Opto-isolated I/O Ground	Opto-isolated I/O Ground	Camera Power Ground
6	White	Camera Power Ground	Camera Power and GPIO Ground	Camera Power Ground

For more details, see the respective camera documentation.

Physical Specifications

Camera-side Connector	Hirose 6 pin [HR10A-7P-6S (73)]
Host-side Connector	None, open end
Cable Cross-section	3 x 2 x 0.14 mm² (close to AWG 26)
Cable Diameter	5.8 mm
Wire Insulation	PVC
Outer Jacket	PVC
Minimum Bending Radius	34.8 mm (6 x cable diameter), fixed installation
Maximum Bending Cycles	None (fixed installation only)
Suitable for Drag Chain Applications	No
Suitable for Robotics Applications	No

Electrical Specifications

Maximum Operating Voltage	See camera documentation for the power requirements of your camera.
Test Voltage	1200 VDC
Wire Resistance	≤142 Ω/km

Environmental Specifications

Operating Temperature Range	-25–80 °C, not moving
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Plug Specifications

Durability	>1000 mating cycles
Contact Resistance	10 mΩ max.
Contact Plating	Gold
Protection Rating	IP40
Plug Insulation Material	Polyamide/PBT

General Information

Conformity	CE (includes RoHS) Certificates for your cable For more information, see the Compliance section of the Basler website.
Warranty	3 years

Read the topic about your camera model before connecting the cable to the camera. You can find your camera topic in the [Area and Line Scan Cameras](#) section under "Models".

For cameras not included in the Basler Product Documentation, see the [Document Downloads](#) section of the Basler website.

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