

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

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



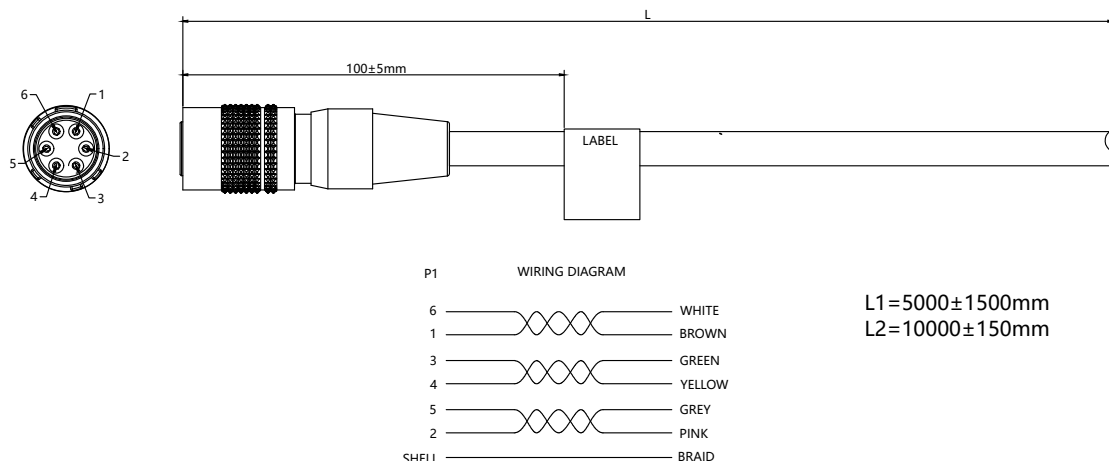
Info

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 |
|--------------|--------------|
| 2200000625 | 5 m |
| 2200000626 | 10 m |

Cable Drawing



⚠ CAUTION – Personal Injury Hazard

Personal injury hazard and risk of damage to camera in case of short circuits (applies to GigE cameras only)

Short circuits may cause an extreme rise in temperature of the camera's housing. This may damage the camera and may also lead to personal injuries, e.g., burns if touching the housing. In the worst case, the overheating may cause a fire. In order to prevent that, you should take additional measures to limit the current flowing through each individual wire during a short circuit. **The maximum current allowed is 2 A.** There are two ways how to do this:

- Using a fuse
- Using a limited power supply

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 |

| Pin Number | Wire Color | ace GigE without GPIO | ace GigE with GPIO | aviator CL |
|------------|------------|--------------------------|------------------------------|---------------------|
| 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 × 2 × 0.14 mm ² (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 | $\leq 142 \text{ } \Omega/\text{km}$ |



Environmental Specifications

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


Plug Specifications

| Durability | >1000 mating cycles |
|--------------------------|---------------------|
| Contact Resistance | 10 m Ω 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 | 1 year |

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 the [Document Downloads](#)  section of the Basler website.