

# Basler Accessories



## Technical Specification

### **POWER CABLE HRS 6P/OPEN**

#### **Order Numbers**

**2000029758**

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Order Number	Description	Applicable Cameras
2000029758	Power Cable with HRS 6-pin connector and open end, 10 m	aviator CL, racer, runner

Table 1: Cable Type

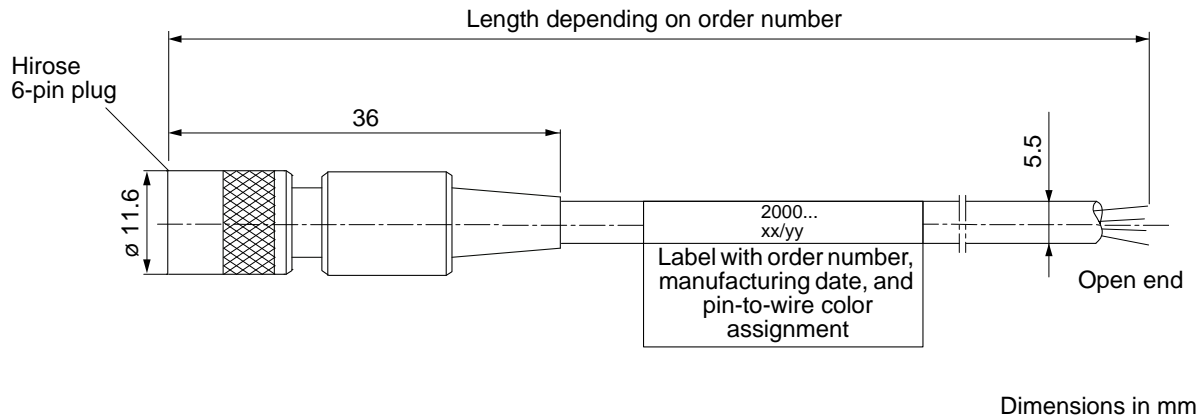



Fig. 1: Cable Overview

	⚠ CAUTION
	<p><b>Personal Injury Hazard and Risk of Damage to Camera in Case of Short Circuits</b></p> <p>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.</p> <p>In order to prevent that, you should take additional measures to limit the current flowing through each individual wire during a short circuit. <b>The maximum current allowed is 2 A.</b> There are two ways how to do this:</p> <ul style="list-style-type: none"> <li>■ Using a fuse</li> <li>■ Using a limited power supply</li> </ul>

## Wiring Information

Pin Number	Wire Color	Function
1	Brown	Camera Power
2		Camera Power
3		Not connected
4		Not connected
5	White	Camera Power Ground
6		Camera Power Ground

Table 2: Wiring Information

For more details, see the respective camera user's manual.

## Physical Specifications

Camera-Side Connector	Hirose, 6 pin [HR10A-7P-6S (73)]
Host-Side Connector	None, open end
Cable Cross-Section	2 x 2 x 0.5 mm <sup>2</sup> (close to AWG 21)
Cable Diameter	5.5 mm
Wire Insulation	PVC
Outer Jacket	PVC
Minimum Bending Radius	27.5 mm (5 x cable diameter), fixed installation
Maximum Bending Cycles	None (fixed installation only)
Suitable for Drag Chain Applications	No
Suitable for Robotics Applications	No

Table 3: Physical Specifications

## Electrical Specifications

Maximum Operating Voltage	See camera user's manual
Wire Resistance	≤250 Ω/km

Table 4: Electrical Specifications

## Environmental Specifications

Operating Temperature Range	-25–80 °C (not moving)
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Table 5: Environmental Specifications

## Plug Specifications

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

Table 6: Plug Specifications

## General Information

RoHS Compliance	Yes
CE Conformity	Yes (RoHS)
UL Conformity	No
Warranty	1 year

Table 7: General Information



The cables are intended for use with the cameras specified in [Table 1](#) only.

Read the camera user's manual including the safety warnings before connecting the cable to the camera. The user's manual also contains further information about pin assignments, power requirements, as well as comprehensive information about installing and using the camera.

You can download the user's manual and related documents for your camera free of charge from the Basler website: [www.baslerweb.com](http://www.baslerweb.com)

## Revision History

Doc. ID Number	Date	Changes
AW00113201000	24 Nov 2011	Initial release of this document.
AW00113202000	22 Jan 2015	New cover photo. Changed the layout of the document. Added technical specifications in tables <a href="#">Table 2</a> to <a href="#">Table 7</a> .
AW00113203000	29 Aug 2017	Added warning about additional short circuit protection on <a href="#">page 1</a> .

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