

Basler Accessories



Technical Specification

POWER-I/O CABLE HRS 6P/OPEN

Order Numbers

2000029411

Document Number: DG001383

Version: 02 Language: 000 (English)

Release Date: 15 July 2014

Contacting Basler Support Worldwide

Europe:

Basler AG
An der Strusbek 60-62
22926 Ahrensburg
Germany

Tel.: +49 4102 463 515
Fax.: +49 4102 463 599

support.europe@baslerweb.com

Americas:

Basler, Inc.
855 Springdale Drive, Suite 203
Exton, PA 19341
U.S.A.

Tel.: +1 610 280 0171
Fax.: +1 610 280 7608

support.usa@baslerweb.com

Asia:

Basler Asia Pte. Ltd.
35 Marsiling Industrial Estate Road 3
05 - 06
Singapore 739257

Tel.: +65 6367 1355
Fax.: +65 6367 1255

support.asia@baslerweb.com

www.baslerweb.com

**All material in this publication is subject to change without notice and is copyright
Basler AG.**

Order Number	Description	Applicable Cameras
2000029411	Power-I/O Cable with HRS 6p connector and open end, 10 m	ace GigE, aviator CL (power only), runner (power only)

Table 1: Cable Type

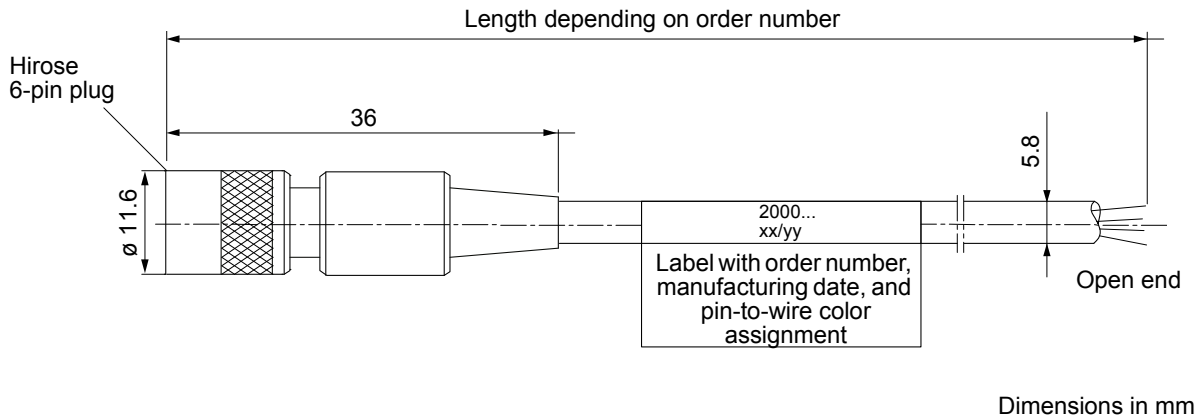


Fig. 1: Cable Overview

Wiring Information

Pin Number	Wire Color	ace GigE	aviator CL runner
1	Brown	Camera Power	Camera Power
2	Pink	Opto In 1	Camera Power
3	Green	Not connected	Not connected
4	Yellow	Opto Out 1	Not connected
5	Gray	Opto I/O Ground	Camera Power Ground
6	White	Camera Power Ground	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)
Host-Side Connector	None, open end
Cable Cross-Section	3 x 2 x 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

Table 3: Physical Specifications

Electrical Specifications

Maximum Operating Voltage	See camera user's manual
Test Voltage	1200 V
Wire Resistance	≤ 142 Ω/km

Table 4: Electrical Specifications

Environmental Specifications

Operating Temperature Range	-25 °C - +80 °C (not moving)
-----------------------------	------------------------------

Table 5: Environmental Specifications

Plug Specifications

Durability	> 1000 mating cycles
Contact Resistance	max. 10 mΩ
Contact Plating	Gold
Protection Rating	IP 40
Plug Insulation Material	Polyamide/PBT

Table 6: Plug Specifications

General Information

RoHS Compliant	Yes
Warranty	1 year
UL Conformity	No

Table 7: General Information



The cables are intended for use with the cameras specified in [Table 1](#) only.
The cables are not covered by the low voltage directive.

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.

Revision History

Doc. ID Number	Date	Changes
DG00138301000	9 Jul 2014	Initial release of this document.
DG00138302000	15 Jul 2014	Updated electrical specifications in Table 4 . Updated information regarding the low voltage directive.