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Basler Accessories



Technical Specification

I/O CABLE HRS 12P/OPEN

Order Numbers
2000026691
2000026689

Document Number: AW000783
Version: 05 Language: 000 (English)
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Order Number	Description	Applicable Cameras
2000026691	I/O Cable HRS 12p connector and open end, 3 m	runner, racer GigE
2000026689	I/O Cable HRS 12p connector and open end, 10 m	runner, racer GigE

Table 1: Cable Type

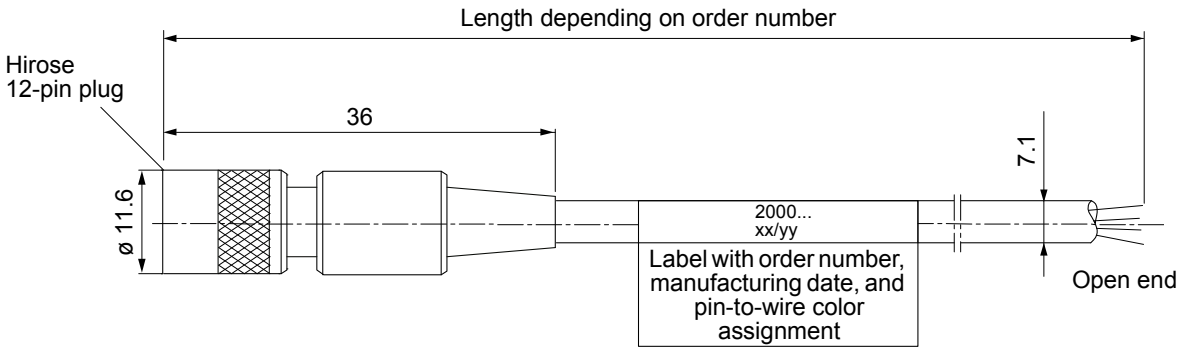


Fig. 1: Cable Overview

Wiring Information

Pin Number	Wire Color	Function
1	White	Opto In 1 -
2	Brown	Opto In 1 +
3	Green	Opto In 3 -
4	Yellow	Opto In 3 +
5	Gray	Opto I/O Ground
6	Blue	Opto Out 1 -
7	Red	Opto Out 1 +
8	Black	Opto In 2 -
9	Violet	Opto In 2 +
10	Pink	not connected
11	Gray/Pink	Opto Out 2 -
12	Red/Blue	Opto Out 2 +

Table 2: Wiring Information

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

Physical Specifications

Camera-Side Connector	Hirose, 12 pin [HR10A-10P-12S (73)]
Host-Side Connector	None, open end
Cable Cross-Section	6 x 2 x 0.14 mm^2 (close to AWG 26)
Cable Diameter	7.1 mm
Wire Insulation	PVC
Outer Jacket	PVC
Minimum Bending Radius	42.6 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
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	Silver
Protection Rating	IP40
Plug Insulation Material	Polyamide/PBT

Table 6: Plug Specifications

General Information

RoHS Compliant	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.

Revision History

Doc. ID Number	Date	Changes
AW00078301000	5 Jan 2009	Initial release of this document.
AW00078302000	6 Aug 2009	Changed layout of document. Updated support contact details.
AW00078303000	31 Jul 2012	Updated support contact details. Updated cable drawing. Added racer GigE as applicable camera.
AW00078304000	22 Jan 2015	New cover photo. Changed layout of document. Added technical specifications in tables Table 2 to Table 7.
AW00078305000	23 Jan 2015	Removed "trigger" from name of cable throughout the document.

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