

HD Series Slip Ring

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HD-SDI interface is a digital video / audio interface technology, is dedicated interfaces for digital video transmission, it can transmit audio and video signals.

The HD-SDI/HDMI slip ring is a kind of digital video/audio connector technique, which is the specialized digital that is suitable for image, voice, video transmission.



Features:

- 720p, 1080i, 1080p video transmission is possible
- Other signals and current rings can be integrated inside
- Gold-on-gold contact
- No require lubrication
- No data transmission error code and no loss
- The flange of dimension, outside diameter, direction can be customized as per request

HD SERIES MODEL#

Model#	ID(mm)	OD(mm)	Current(A)	Voltage(V AC/DC)	Circuits
HD12	-	22	2	240	1x HD-SDI + 12x 2A
Hd24	-	22	2	240	1x HD-SDI + 24x 2A
HD00-2	-	22	2	240	2x HD-SDI

HD12 Series Overview

Description

The HD12, provides HD-SDI communication in combination with 12, 2 amp connections. RG179 coax cable is provided for video transfer. The coax cable is supplied terminated with BNC connectors, ready to install.



Features

- Frequency rate:DC-2.3GHz
- Gold-on-gold contacts
- Available with one coax, and 12x 2 amp connections
- RG179(impedance 75Ω)

Typical Applications

- Security cameras
- Rotating video displays
- Camera jibs
- Pan / tilt video camera heads
- Medical equipment

Specifications

Item	
Operating Speed	Max.250 RPM*
Number of Circuits	1x HD-SDI + 12x 2A
Lead Wire	RG179 Coax cable, AWG28# Teflon, 300mm
Voltage	240V AC/DC
Operating Temperature	-20℃ to 60℃
Current Rating	Signal / 2A circuits
Noise	<0.01Ω
Torque	0.02N.m
Housing Material	Plastic
Protection Grade	IP51

* Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

Options

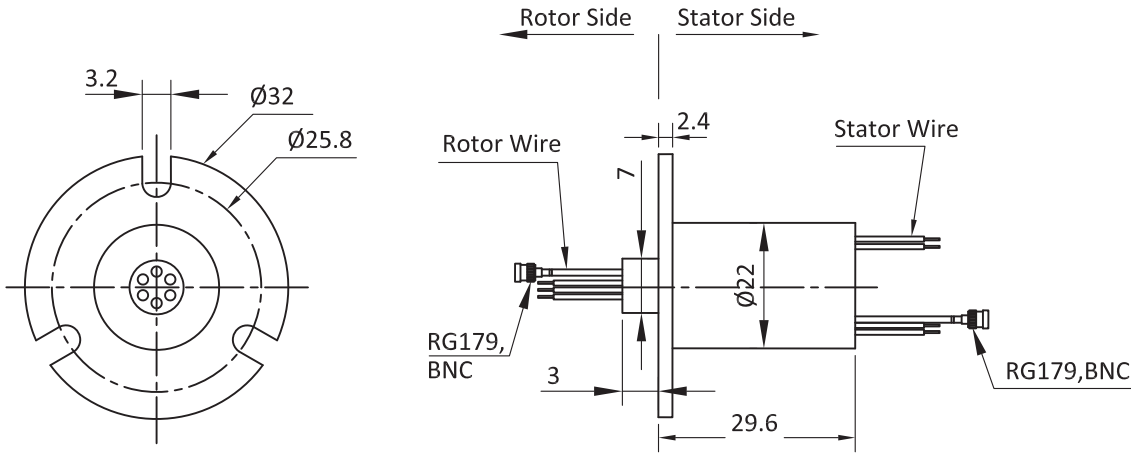
- Flange / No flange.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- Ethernet, USB, HDMI data transmission are available.
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.

INTRODUCE

HD12

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HD12 Series Dimensions



Notes:

- 1. Drawings not actual size, dimensions are in millimeters

Part# List

Model#	Coax Cable	Signal (2A)	Voltage(V)	OD(mm)	Length(mm)
Hd12	1	12	240	22	29.6

Lead wire color code(From the rotor)					
Ring#	Color	Description/AWG	Ring#	Color	Description/AWG
1	BLK	Signal / 2A, AWG28#	7	BLU	Signal / 2A, AWG28#
2	BRN		8	VIO	
3	RED		9	GRY	
4	ORN		10	WHT	
5	YEL		11	PINK	
6	GRN		12	SOFT-BLU	

Notes:

12 wires for 1 group color, from 12~24 circuits would repeat the same color.

HD24 Series Overview

Description

The HD24, provides HD-SDI communication in combination with 24, 2 amp connections. RG179 coax cable is provided for video transfer. The coax cable is supplied terminated with BNC connectors, ready to install.



Features

- Frequency rate:DC-2.3GHz
- Gold-on-gold contacts
- Available with one coax, and 24x 2 amp connections
- RG179(impedance 75Ω)

Typical Applications

- Security cameras
- Rotating video displays
- Camera jibs
- Pan / tilt video camera heads
- Medical equipment

Specifications

Item	
Operating Speed	Max.250 RPM*
Number of Circuits	1x HD-SDI + 24x 2A
Lead Wire	RG179 Coax cable, AWG28# Teflon, 300mm
Voltage	240V AC/DC
Operating Temperature	-20℃ to 60℃
Current Rating	Signal / 2A circuits
Noise	<0.01Ω
Torque	0.02N.m
Housing Material	Plastic
Protection Grade	IP51

* Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

Options

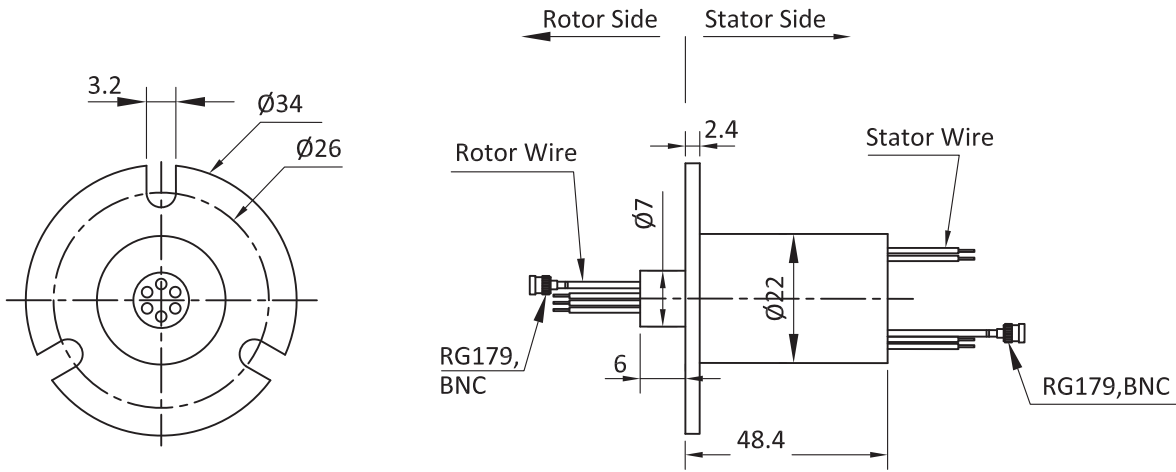
- Flange / No flange.
- Specified connectors and Heat-shrink tube.
- Longer lead lengths available.
- Ethernet, USB, HDMI data transmission are available.
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.

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HD24

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HD24 Series Dimensions



Notes:

- 1. Drawings not actual size, dimensions are in millimeters

Part# List					
Model#	Coax Cable	Signal (2A)	Voltage(V)	OD(mm)	Length(mm)
Hd24	1	24	240	22	48.4

Lead wire color code(From the rotor)					
Ring#	Color	Description/AWG	Ring#	Color	Description/AWG
1	BLK	Signal / 2A, AWG28#	7	BLU	Signal / 2A, AWG28#
2	BRN		8	VIO	
3	RED		9	GRY	
4	ORN		10	WHT	
5	YEL		11	PINK	
6	GRN		12	SOFT-BLU	

Notes:

12 wires for 1 group color, from 12~24 circuits would repeat the same color.

HD00-2 Series Overview

Description

The HD00-2, provides HD-SDI communication. RG179 coax cable is provided for video transfer. The coax cable is supplied terminated with BNC connectors, ready to install.



Features

- Frequency rate:DC-2.3GHz
- Gold-on-gold contacts
- Available with 2 coax, connections
- RG179(impedance 75Ω)

Typical Applications

- Security cameras
- Rotating video displays
- Camera jibs
- Pan / tilt video camera heads
- Medical equipment

Specifications

Item	
Operating Speed	Max.250 RPM*
Number of Circuits	2x HD-SDI
Lead Wire	RG179 Coax cable
Voltage	240V AC/DC
Operating Temperature	-20℃ to 60℃
Current Rating	Signal / 2A circuits
Noise	<0.01Ω
Torque	0.02N.m
Housing Material	Plastic
Protection Grade	IP51

* Please note that the operational life of the unit is dependent upon rotational speed, environment and temperature

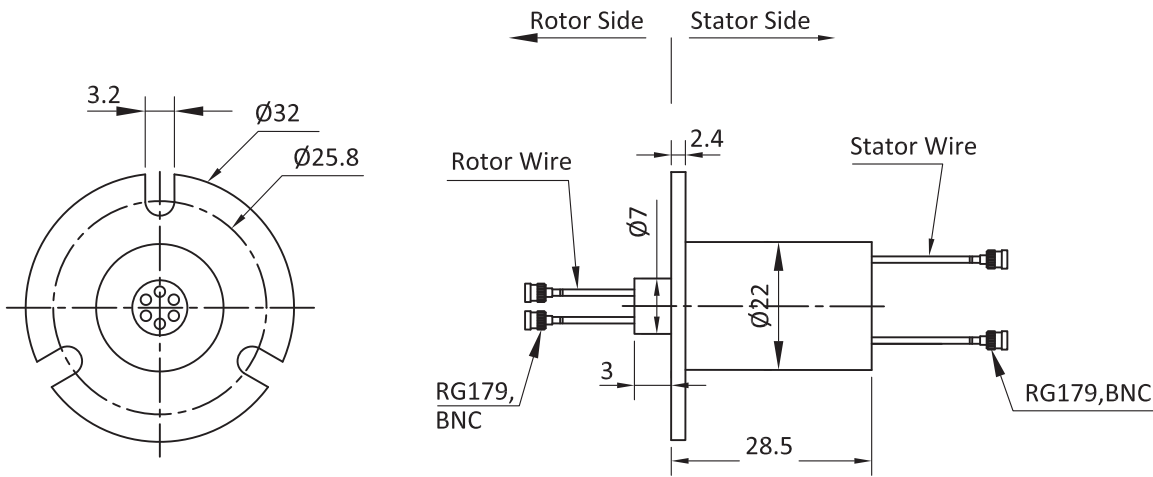
Options

- Flange / No flange.
- Longer lead lengths available.
- Hybrid Pneumatic/hydraulic and electric slip ring can be mixed.

INTRODUCE

HD00-2

HD00-2 Series Dimensions



Notes:

1. Drawings not actual size, dimensions are in millimeters

Part# List

Model#	Coax Cable	Signal (2A)	Voltage(V)	OD(mm)	Length(mm)
HD00-2	2	-	240	22	28.5