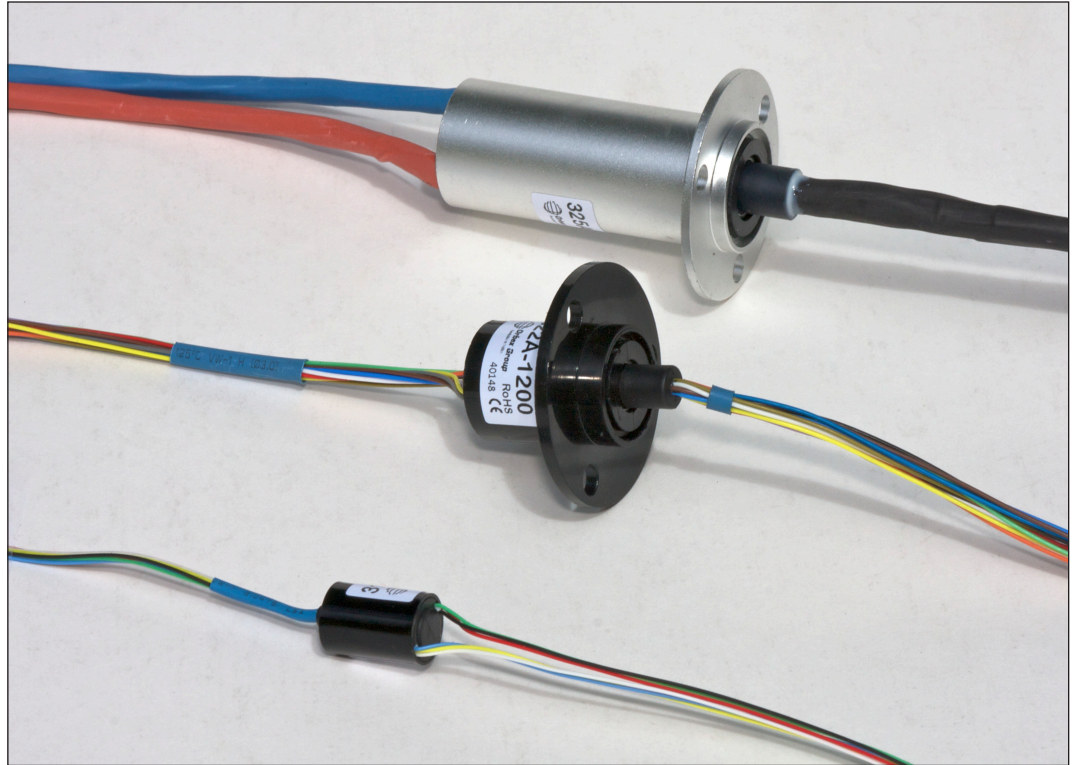




Orbex Group
Revolution In Motion



Miniature Slip Rings

300 Series

- Compact Size
- Low Friction
- Long Life
- High Reliability
- Quick Delivery
- Low Cost
- Easily Customizable
- CE and RoHS Compliant

Orbex Group

46740 Lakeview Blvd.
Fremont, CA 94538
(408) 945-8980

www.slpring.com



300 Series

Slip rings are commonly used to transfer electrical signals and power to a rotating shaft.

The Orbex 300 series is ideally suited to applications where signals and power need to be transmitted in a compact space.

By using a small rotor diameter, surface speeds are minimized. This allows for minimal imbalance which translates into long life. The use of gold on gold contacts assures long life, low noise, minimal interference between circuits, and low contact resistance.

Slip rings can be ordered with low current signal circuits, high current power circuits, or a mix of the two. Configurations start at 2 circuits and extend through 56 circuits in the standard 300 series offering.

Common Applications

- CCTV cameras
- Robotics
- Down Hole Inspection
- Medical Equipment
- Rotating Lights
- Packaging Machinery
- Point of Sale Displays
- CMM Machines
- Communications Equipment

Specifications	
Voltage	240 V _{DC} /240 V _{AC}
Cables	Silver plate-PTFE insulation, color coded 2A: AWG26 or AWG28 6A: AWG20 10A: AWG16
Cable Length	250 mm standard (custom lengths available)
Dielectric Strength	500 V _{AC} at 60 Hz.
Insulation Resistance	> 1000 MΩ/500 V _{DC}
Dynamic Contact Resistance	<10 mΩ
Nominal Speed	250 RPM (ask us for higher speed ratings)
Temperature	-20 to +80°C standard -40 to + 85°C optional
Bearings	Miniature, precision steel bearings
Contact	Gold to Gold
Nominal Life	5-10 million revolutions typical. Longer life versions available as specials (speed and environment dependant)
Protection	IP 51 standard (IP65 available for some sizes)

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300 Series Miniature Slip Rings

Part Number	2A	6A	10A	Body Diameter	Length L	Housing
312MX-0300	3			12.4	14	ABS plastic
312MX-0600	6			12.4	14	ABS plastic
312MX-1200	12			12.4	19.5	ABS plastic
312MX-1800	18			12.4	23	ABS plastic
318MX-0600	6			18	15.9	ABS plastic
318MX-1200	12			18	23.7	ABS plastic
318MX-1400	14			18	25.5	ABS plastic
318MX-1800	18			18	31.5	ABS plastic
322MX-0600	6			22	19	ABS plastic
322MX-1200	12			22	28	ABS plastic
322MX-0202	2	2		22	28	ABS plastic
322MX-1800	18			22	33.4	ABS plastic
322MX-0003B			3	22	33.4	ABS plastic
322MX-2400	24			22	41.2	ABS plastic
322MX-0804	8	4		22	41.2	ABS plastic
325M1-3000	30			25	51.7	Aluminum
325M1-1804A	18	4		25	51.7	Aluminum
325M1-1503B	15		3	25	51.7	Aluminum
325M1-3600	36			25	59.5	Aluminum
325M1-1604B	16		4	25	59.5	Aluminum
325M1-2404A	24	4		25	59.5	Aluminum
325M1-4600	46			25	72.5	Aluminum
325M1-5600	56			25	85.5	Aluminum
325M1-4404A	44	4		25	85.5	Aluminum
325M1-3604B	36		4	25	85.5	Aluminum

Stocked units in blue.

X Denotes Flange Type. See drawings for details.

Please contact us for standard options, including:

- IP65 sealed housing
- Extended Life options
- Custom Connectors
- Coaxial Cable (RG175/179)

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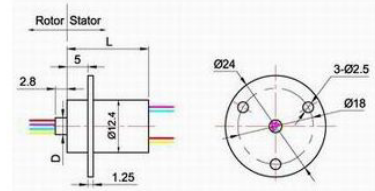
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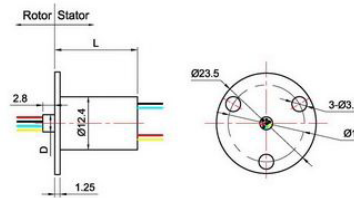
Model 312



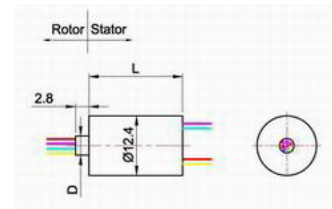
Model 312M3 Pictured



Dimensions of 312M1



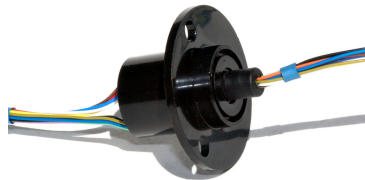
Dimensions of 312M2



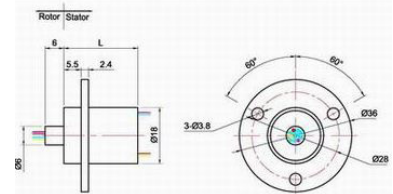
Dimensions of 312M3

D=5mm for 1800 units. D=4mm for all others

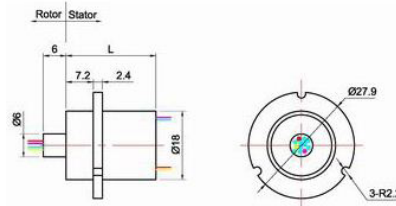
Model 318



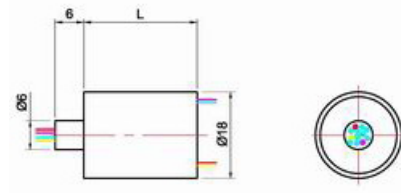
Model 318M1 Pictured



Dimensions of 318M1

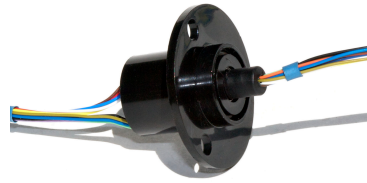


Dimensions of 318M2

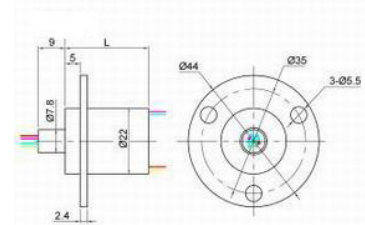


Dimensions of 318M3

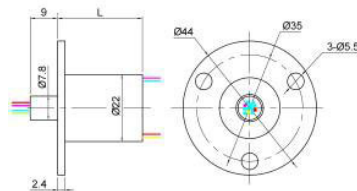
Model 322



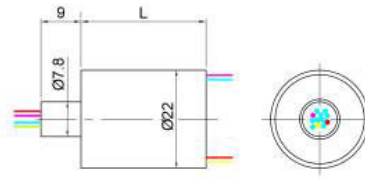
Model 322M1 Pictured



Dimensions of 322M1

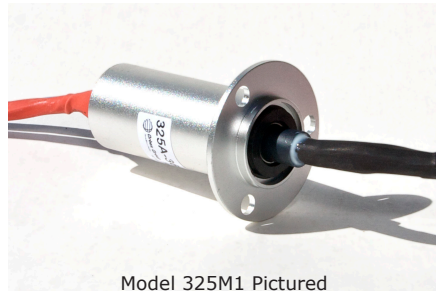


Dimensions of 322M2

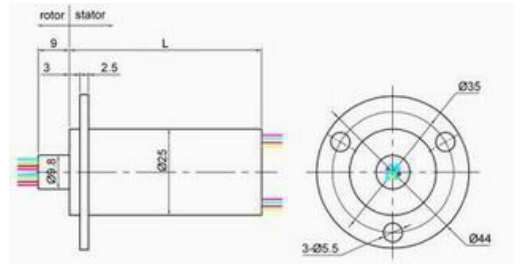


Dimensions of 322M3

Model 325



Model 325M1 Pictured



Dimensions of 325M1

Dimensions in mm