



## Main Application

- ◆ Electrical test equipment
- ◆ Manufacturing and process control equipment
- ◆ Indexing tables
- ◆ CCTV pan / tilt camera mounts
- ◆ Robotics, rotary sensors, urgent illumination equipment
- ◆ Exhibit / display equipment.
- ◆ Aviation, military, Instrument, medical equipment.
- ◆ Mini-type wire-rolling machine
- ◆ Closed-circuit control

Contact us to discuss your special needs

## LPC-76A Capsule Slip Ring

### Description

This unit can be used in any electromechanical system that requires unrestrained, continuous rotation while transferring power or data from a stationary to a rotating structure. It is also called a rotary electrical interface, commutator, collector, swivel or an electrical rotary joint.

The LPC-76A capsule slip ring is a standard, off-the-shelf unit that uses gold contacts at the rotary interface. Color-coded lead wires are used on both the stator and rotor for simplifying electrical connections.

Using a 90°V-groove ring design for each ring, the LPC-76A provides smoother running, lower torque and lower electrical noise than competitive slip rings. It is available in 6, 12, 18, 24, 36, 56, 76 circuit models.

### Features

- ◆ 76 circuits models
- ◆ 2 amps per circuit ,240VAC/DC
- ◆ Speed up to 300 rpm continuous
- ◆ Gold-gold contacts
- ◆ Compatible with data bus protocols
- ◆ Sealed units are available
- ◆ Flexible, color-coded, silver-plated, lead wires
- ◆ Transfers analog and digital signals
- ◆ Also available with 5 and 10 amps power rings combined with 2 amps rings.
- ◆ Precision ball bearings meet or exceed life requirements for most commercial applications

### Advantage

- ◆ Low torque minimize system torque budget
- ◆ Compact design to fit in the most demanding space.
- ◆ Smooth running
- ◆ Low electrical noise
- ◆ Quick shipment per your urgent requirement
- ◆ 360°continuous rotation
- ◆ High bandwidth transfer capability
- ◆ Addition of special components

# Capsule Slip Ring

## Specifications

Operating Speed	0-300 rpm
Number of Circuits	76
Voltage	240 VAC/DC
Current Rating	2 amps per circuit
Temperature Range	-20℃ to +60℃
Contact Material	Gold to Gold
Lead Size	AWG28 silver plated copper
Lead Length	Standard 250 mm (9.843inch)
Dielectric Strength	≥500 VAC @50Hz, between each circuit
Insulation Resistance	100 MΩ @ 500 VDC
Electrical Noise	1mΩ Min

## Capsule Length =L

# of Circuits	L (mm)	Part No
76	105.65	LPC-76A

Contact us on wire color codes

- ◆ The operating life of the unit depends upon temperature, rotation speed and environment.
- ◆ The operating life ≥50,000,000 runs ref.

