

Capsule Slip Ring LPC 12E

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.

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



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

Features



- ✓ 12 circuits models
- ✓ 2 amps per circuit, 240 VAC/VDC
- ✓ Speeds up to 300 rpm continuous, Gold-Gold contacts
- ✓ Compatible with data bus protocols
- ✓ Sealed units are available
- ✓ Flexible, color-coded, silver-plated lead wires
- ✓ Also available with 5 and 10 amps power rings combined with 2 amps rings
- ✓ Precision ball bearings meet or exceed life requirements

Specifications	
Operating Speed	0-300 rpm
Number of Circuits	12
Voltage	240 VAC/DC
Current Rating	2 amps per circuit
Temperature Range	-20C to +60C -
Contact Material	Gold to Gold
Lead Size	28# 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	1mΩMin

Capsule Length		
# of Circuits	L (mm)	Part No
12	26.43	LPC-12E



TEMPERATURE RANGE
-20° C to 60° C



MAXIMUM OPERATING SPEED
0-300 RPM

Applications

- ✓ Electrical test equipment
- ✓ Manufacturing and process control equipment
- ✓ Indexing tables
- ✓ CTV pan / tilt camera mounts
- ✓ Robotics, rotary sensors
- ✓ Urgent illumination equipment
- ✓ Exhibit / display equipment
- ✓ Aviation ,military ,instrument, medical equipment.



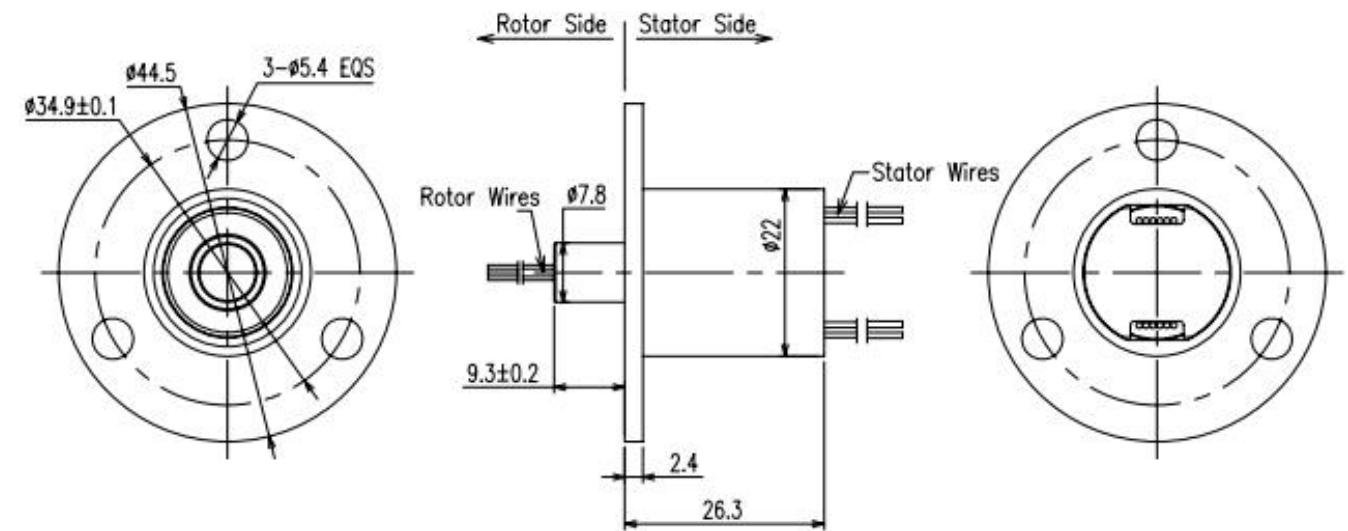
Advantage



- ✓ Low torque minimizes system torque budget
- ✓ Compact design to fit in the most demanding space
- ✓ Smooth running
- ✓ Low electrical noise
- ✓ Prompt shipment per your urgent requirement
- ✓ 360°continuous rotation
- ✓ High bandwidth transfer capability
- ✓ Addition of special components
- ✓ Transfers analog and digital signals
- ✓ Gold-Gold contacts makes long life time

Drawings

Model:LPC-12E



MESSAGE

Any questions about slip ring, please leave your message to get a professional solution

Wire Color Code								
Wire Size	Ring #	Color	Ring #	Color	Ring #	Color	Ring #	Color
AWG28# silver plated copper Teflon UL	#1	BLK	#2	BRN	#3	RED	#4	ORG
	#5	YEL	#6	GRN	#7	BLK-BLU	#8	PUR
	#9	GRAY	#10	WIT	#11	PINK	#12	AZURY
	#13	WIT/BLK	#14	WIT/BRN	#15	WIT/RED	#16	WIT/ORG
	#17	WIT/YET	#18	WIT/GRN	#19	WIT/BLU	#20	WIT/PUR
	#21	WIT/GRAY	#22	CLAR	#23	BLK-RED	#24	BLK/BRN

Remarks: 1. AWG28# silver plated copper Teflon UL, 24 different color single wires for a circle
2. #1 from rotor side (The color if the wire can be changed).

PRODUCT CATEGORY	REQUESTS	INDUSTRIES
FORJ Capsule slip ring Through bore slip ring Pancake slip ring Mercury slip ring Separate slip ring Miniature slip ring Wind turbine slip ring Hydraulic slip ring Pneumatic slip ring Coaxial rotary joints	Circuits Current&voltage Signal details Dimension Working speed Working temperature Operating Environment Other	Surveillance Crane Medical Marine Defence Radar antenna Automation Meter and instrument Wind turbine generator VR Device Other

Contact us on wire color codes



Send