

SLIP RING WITH FLANGE, 22mm

Specifications

- **Rated Voltage:** 240VDC/240VAC
- **Rated Current:** 2A per Ring
- **Lead Size:** 26AWG, Color Coded, PTFE Insulated, Silver Plated Copper
- **Lead Length:** 9.843 (250mm)
- **Dielectric Strength:** 500VAC at 50Hz, 60s
- **Insulation Resistance:** 1000MΩ / 500VDC
- **Electrical Noise:** < 0.01Ω
- **Rated Speed:** 0 to 250RPM
- **Temperature Range:** -20° to +80°C
- **Operating Humidity:** 0 to 60% RH
- **Contact Material:** Precious Metals
- **Housing Material:** Engineering Plastics



Ordering Information:

Number of Circuits	NTE Part Number	Dimensions inch(mm)	Lead Color Code					
		L	1. Red	2. Yellow	3. Black	4. Blue	5. Green	6. White
6	76-SR-6	.748 (19.0)	1. Red	2. Yellow	3. Black	4. Blue	5. Green	6. White
12	76-SR-12	1.102 (28.0)	1. Red	2. Green	3. Yellow	4. Purple	5. Gray	6. Black
			7. Blue	8. Dark Blue	9. Brown	10. Orange	11. White	12. Tan

Application Notes:

These 6 wire and 12 wire slip rings are simple electromechanical devices that allow the transmission of power and electrical signals from a stationary to a rotating structure. A slip ring can be used in any electromechanical system that requires rotation while transmitting power or signals. It can improve mechanical performance, simplify system operation and eliminate damage-prone wires dangling from movable joints. Commonly, you'd find slip rings in wind turbines, robotics, wheel encoders, or anything else that requires continuous 360° rotation, while maintaining an electrical connection. With a slip ring assembly, your electronics can now twist and turn safely. This particular slip ring provides you with a compact body with gold-on-gold alloy fiber brush to plated ring contacts inside.

Inside the plastic tube is a gold plated slip ring for either the 6 or 12 wire version. There are six/twelve color coded wire sets made of 26AWG and no matter how you twist the assembly, they will remain in continuity. Each slip ring is capable of handling a continuous working speed of 250RPM and each of the wire sets can carry up to 2A at up to 240VAC or 240VDC. There's a 44mm (1.7") diameter flange with mounting holes to make it easy to attach.

