

HS-NF-002 Series---Fiber Optic Slip Ring

HS-NF-002 Description:

HS-NF-002 product with N(2-31) fiber optic channels, bandwidth $\pm 50\text{nm}$, suitable for rotating application, working wavelength 850-1550nm.

HS-NF-002 Customized Options:

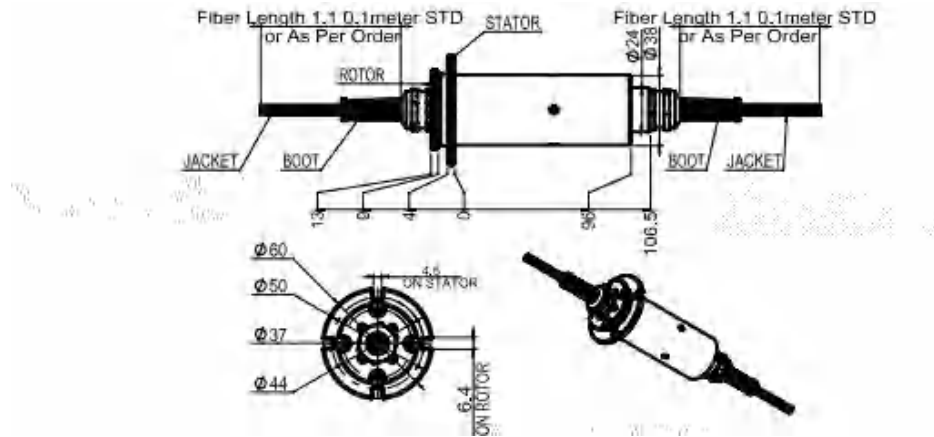
- ◆ Various fiber sizes and patch cord lengths
- ◆ Fiber types
- ◆ Fiber connectors
- ◆ Fiber lengths
- ◆ Number of fiber channels

Typical Application:

High-end robots, high-end material conveying systems, rotating turrets on military vehicles, remote control systems, radar antennas, fiber optic sensors and other turntables (rate tables) for high-speed video, digital, and analog signal transmission and control, medical systems, video surveillance systems, submarine operation systems to ensure national or international security systems, emergency lighting equipment, robots, exhibition/display equipment, medical equipment, etc.



HS-NF-002 Standard Drawing :



HS-NF-002 Technical Parameters:

| Technical Parameters | | | |
|----------------------------|-------------------|------------------------------|--------------------------|
| Fiber Optic technical | | Mechanical technical | |
| Parameters | Value | Parameters | Value |
| Number of rings | 2 Ring or Custom | Withstand tension | ≤12N |
| Bandwidth | ±50nm | Maximum speed | 2000rpm |
| Wavelength range | 800 ~ 1550nm | Estimated life | > 200 million rpm |
| Maximum insertion loss | < 3.5dB | Working temperature | -20 ~ + 60°C |
| Insertion loss fluctuation | < 1.5dB | Storage temperature | -45 ~ 85°C |
| Return loss | ≥40dB | Weight | 620g |
| Withstand power | ≤23dBm | Vibration and shock standard | GBJ150 |
| Fiber Type | 9/125 Single Mode | Protection level | IP54 (IP65 ,IP67 Option) |