

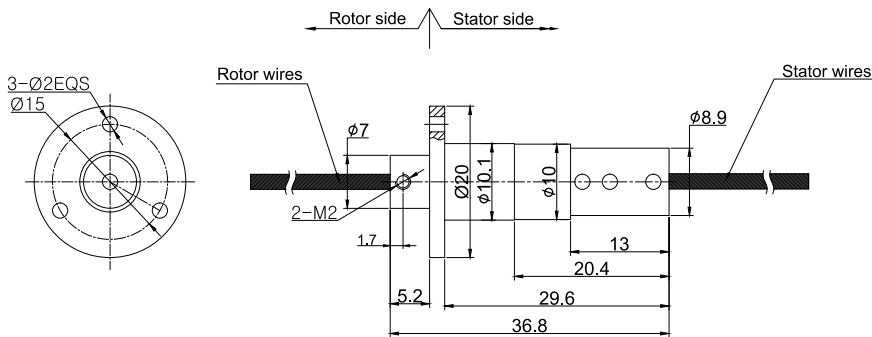
# MFO100 1 channel (FORJ) Fiber Optic slip ring

MFO100 fiber optic slip rings support 1 channel fiber optics(SM/MM). It can perfectly transmit data on 360° rotating. It is also especially suitable for occasion where it needs to transmit large volume data/signal from permanent position to rotation position on unlimited, continuous or discontinuous rotating, which can improve mechanical property, simplify system operation and avoid the rotating of turning joints destroy fiber optics.



## MFO100 has the following features :

- Low insertion loss, high rotation speed
- Non-contact, zero friction, long working life, single core can achieve one hundred million revolutions
- Small in size, in light weight, high sealing class
- Fiber optics transmitting signal, no leaks , no electromagnetic interference, long-distance transmission



## Part # Explanation

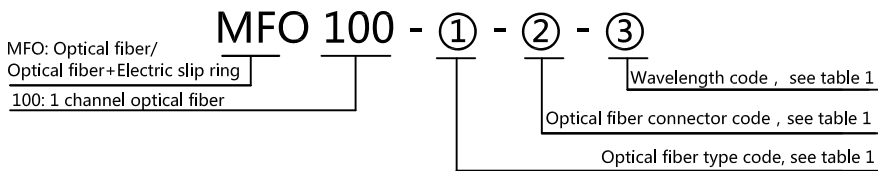


Table 1

Fiber type code	Fiber connector code	Wavelength code
01 : 9/125um , Single-mode 02 : 50/125um , Multiple-mode 03 : 62.5/125m , Multiple-mode	FC : FC Connector ST : ST Connector SC : SC Connector LC: LC Connector End pattern for connector, it's PC by default. If APC is needed, APC shouldbe added behind APC, such asFC/APC.	01 : 1310/1550(Single-mode) 02 : 850/1310(Multiple-mode)

## Specifications

Type	Single-mode	Multiple-mode
WaveWidth(nm)	±50	
Max insert Loss , 23°C(dB)	1.2	0.7
Insert Loss Ripple(dB)	0.6	0.4
Return Loss(dB)	≥55(No connector)	≥40(No connector)
Max Power(W)	0.5	
Weight(g)	50	
Max Rotating Speed(rpm)	10000	
Working Life	>5 billion turn	
Working Temperature(°C)	-45~85	
Storage Temperature(°C)	-50~85	
Protection grade	IP68	