

# MFO100 series

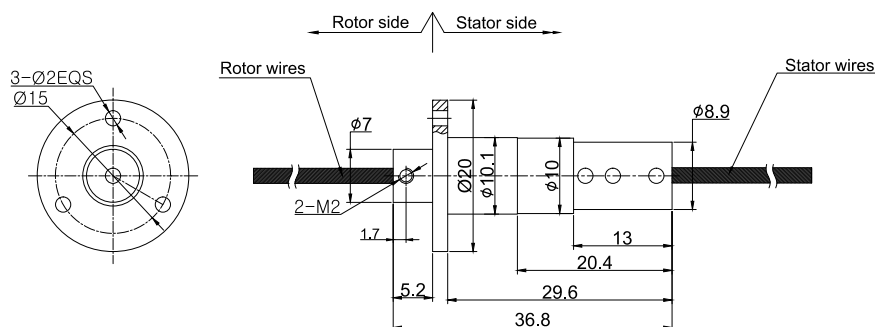
## 1 Channel (FORJ) Fiber Optic Slip Rings

MFO100 fiber optic slip ring support 1 channel fiber optic(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 under unlimited, continuous or discontinuous rotating, which can improve mechanical property, simplify system operation and avoid the rotating of turning joints destroying fiber optics.



### Features :

- Low insertion loss, high rotation speed
- Non-contact, zero friction, long working life, 1 channel can achieve one hundred million revolutions
- Small size, light weight, high sealing class
- Fiber optic transmitting signal, no electromagnetic interference, long-distance transmission



### Part # Explanation

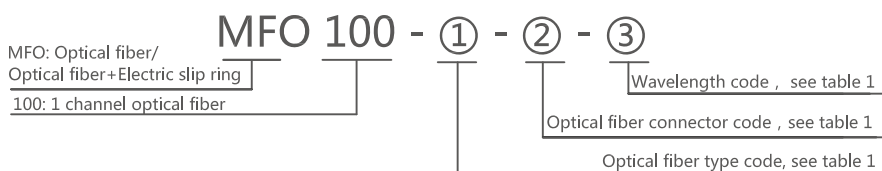


Table 1

Fiber Type Code	Fiber Connector Code	Wavelength Code
01 : 9/125um , Single-mode	FC : FC Connector	01 : 1310/1550(Single-mode)
02 : 50/125um , Multiple-mode	ST : ST Connector	02 : 850/1310(Multiple-mode)
03 : 62.5/125m , Multiple-mode	SC : SC Connector	
	LC : LC Connector	
	The connector face is PC by default , If APC is needed, APC should be added behind APC, such as FC/APC.	

### Specifications

Items	Type	Single-mode	Multiple-mode
Wavelength(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)		12000	
Working Life		> 5 billion turn	
Working Temperature(°C)		-45~85	
Storage Temperature(°C)		-50~85	
Protection Grade		IP65	