

# MFO100 series

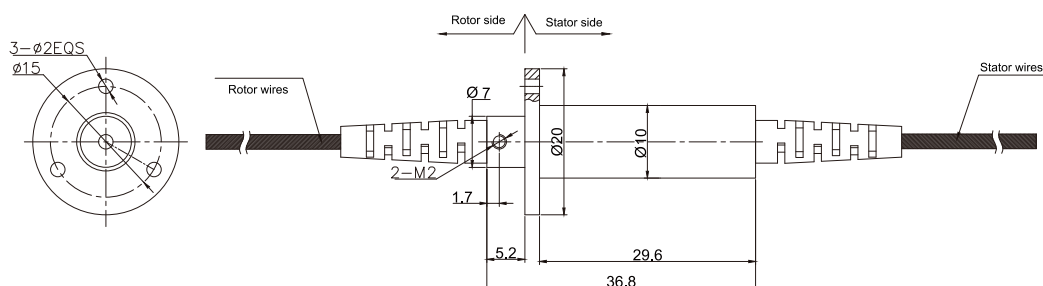
## 1 Channel (FORJ) Fiber Optic Slip Rings

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

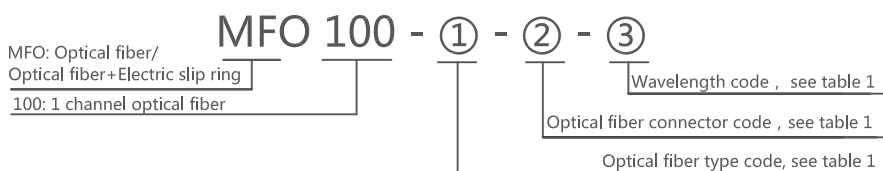


Table 1

Fiber Type Code	Fiber Connector Code	Wavelength Code
01: 9/125um, Single-mode 02: 50/125um, Multiple-mode 03: 62.5/125um, Multiple-mode	FC: FC Connector ST: ST Connector 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.	01: 1310/1550(Single-mode) 02: 850/1310(Multiple-mode)

### Specifications

Type	Single-mode	Multiple-mode
Wavelength(nm)	±50	
Max Insert Loss, 23°C(db)	1.5	1.5
Insert Loss Ripple(db)	0.7	0.7
Return Loss(db)	≥50(APC) ≥40(PC)	≥30
Max Power(w)	0.5	
Weight(g)	25g (Excluding tail cables and connectors)	
Max Rotating Speed(rpm)	1000	
Working Life	>100 million rpm	
Working Temperature(°C)	-20~60°C (Civil use)	-40~85°C (military)
Storage Temperature(°C)	-50~85	
Protection Grade	IP54 / IP65	
Fiber length	1m	