

BFORJ1000C SERIES

10 Channel Fiber Optic Slip Rings

MFO1000C can combine 10 channels optical fiber and electric(1~72wires). It adopt complete aluminum alloy structure, can support signal(5A). Rotary joint of FORJ+Electric is also called photoelectrical slip ring, photoelectricity collector ring, which adopts fiber optic as data transmission media to solve the data transmission between system units. 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. Fiber optic rotary joint can be combined with traditional electric slip ring to transmit power and high-speed data.

Features

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

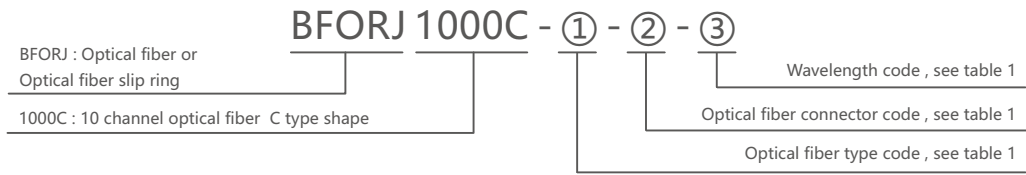
Product images



The pictures are for reference only

As the signal pathway increases or the combination of light and electricity results in changes in the appearance and size of the product, the actual product shall prevail.

Part# Explanation



Dimensions

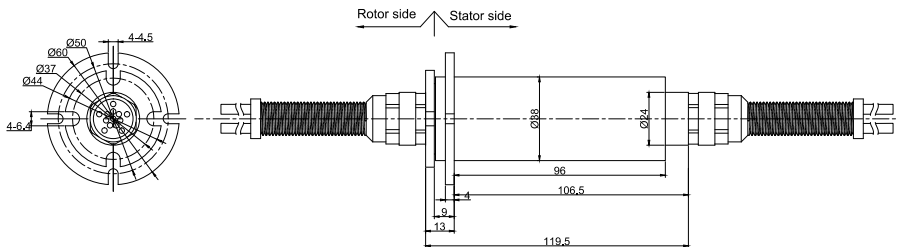


Table 1

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 : 62.5/125um , 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

Project	Single-mode	Multiple-mode
Wavelength (nm)	±50	
Max Insert Loss, 23°C (dB)	4	4
Insert Loss Ripple (dB)	2	2
Return Loss (dB)	≥50 (APC) ≥40(PC)	≥30(PC)
Max Power (dBm)	23	
Weight (g)	620g (Excluding tail cables and connectors)	
Max Rotating Speed (rpm)	300	
Working Life	> 100 million rpm	
Working Temperature (°C)	-20~60°C (Civil use)	-40~85°C (military)
Storage Temperature (°C)	-50~85°C	
protection grade	IP65	
Fiber length	1m	