

# BFORJ100C SERIES

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## 1 Channel ( FORJ ) Fiber Optic Slip Rings

BFORJ100C fiber optic slip ring support 1 channel fiber optic ( SM / MM ) . It can perfect transmit data on 360 ° rotating . It is also especially suitable for occasions where it needs to transmit large volume data / signal from permanent position to rotation position under intermittent , continuous or discontinuous rotating , which can improve mechanical property , simplify system operation and avoid the rotating of turning joints destroying fiber optics

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### 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
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### Product images

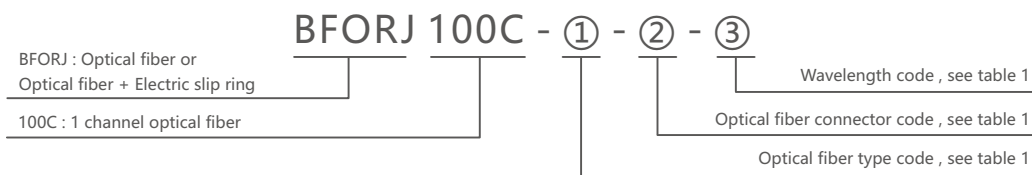


The pictures are for reference only

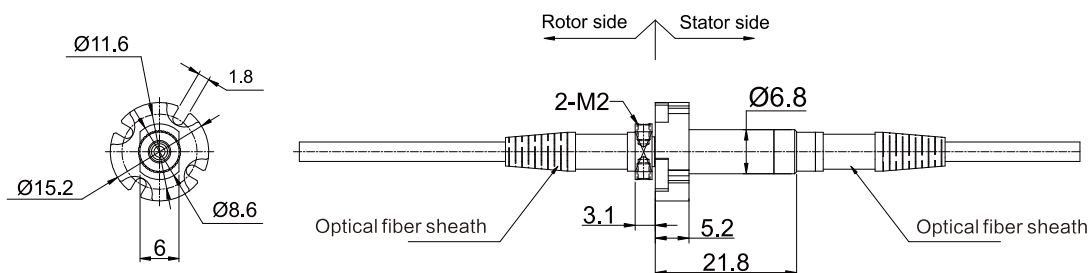
As the signal pathway increases or the combination of light and electricity results in changes in the appearance and size of the product, the actual product shall prevail.

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## 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	Numerical value
Wavelength ( nm )	650-1650nm
Max Insert Loss , 23°C ( dB )	≤1.5dB
Insert Loss Ripple ( dB )	≤0.7dB / ( ±0.35dB)
Return Loss ( dB )	≤1.5dB
Max Power ( w )	23dB
Weight ( g )	10g
Max Rotating Speed ( rpm )	2000 rpm
Working Life	> 100 million rpm
Rotating torque	≤0.01N.m
Working Temperature ( °C )	-20~60°C(-40~85°C optional)
Storage Temperature ( °C )	-45~85°C
Protection Grade	IP60(IP65、 IP67 optional)
Fiber length	1m