

Introduction



Rayzer's **Fiber Optic Rotary Connector (FORC)** series product, is also known as Smooth Ring, is to solve the problem of optical signal transmission between rotating parts, which is the uninterrupted transmission of optical signal when one end is rotating and the other end is stationary.



Specification

Parameters	Unit	Values		
Center Wavelength	nm	650-1650		
Insertion loss	dB	<1dB	<0.dB	
Insertion loss△	dB	0.3		
Low return	dB	>30	>60	
Maximum speed	rap	2000		
Tensile	N	20		
Life time		200 million turns		
Power Handling	mW	500		
Packing dimension		85x28		
Cable specifications	mm	SM	3Kevlar	PVCor3.0
Connector specification	--	FC\SC\ST\SMA\LC(PC/APC)		
Vibration standard	--	MIL-STD-167-1A		
Impact standard	--	MIL-STD-810G		
Storage temperature	°C	-55+85		
operating temperature	°C	-45+70		
Package Dimension	--	Tail fiber output		

Ordering Information

FORC-①-②-③-④-⑤-⑥

① Fiber Jacket	② Number Of Channel	③ Wavelength	④ Jacket Dimension	⑤ Jacket Length	⑥ Connector
SM-Single Mode Fiber	S-Single Channel	650-650nm	1-0.9 μ m	0.5-0.5m	FU-FC/UPC
MM- Multi-mode Fiber		850-850nm	2-2.0mm	1-1m	FA-FC/APC
		980-980nm	3-3.0mm		
		1310-1310nm			
		1550-1550nm			