

FC High Power Metal Fiber Optic Connector

Product Description

The high-temperature-resistant and high-power metal optical fiber connector adopts high-precision metal connectors with good heat dissipation performance and metal optical fiber ferrules, which are precision ground into curved surfaces (UPC) or angular surfaces (APC), and are combined with high-temperature-resistant glue, suspended ferrules, and optical fibers. Adhesive-free, air-gap and other manufacturing processes have good transmission and environmental performance and are widely used in medical, industrial, extremely complex communications, fiber lasers and other fields.



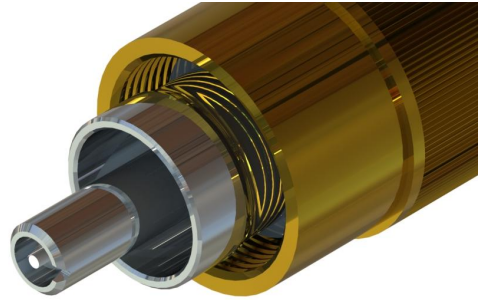
Features

- Using high-temperature-resistant stainless steel metal connectors and metal sheaths, combined with high-temperature-resistant optical fibers, it can work below 200°C for a long time.
- Match various energy transmission optical fibers with fiber core diameters of 80-1000um.
- Different models of standard connectors such as FC, SMA905, and D80 are available and can be customized according to customer needs.
- Provides suspended ferrule, glue-free process, suitable for high-power laser applications.
- Waterproof sealing design, oil-resistant and waterproof, with protection level up to IP67.

Applications

- High power laser
- Laser welding and marking
- Temperature sensing
- Spectral detection
- Measuring and testing instruments and equipment





Product Parameter

Category	Indicator requirements
End face requirements	400X meets IEC 61300-3-35
Maximum power	≥200W
Operating temperature	-40°C ~200°C
Fiber optic connector type	FC, D80, SMA905 optional
Ferrule type	PC, APC, PC floating optional
Jacket	PVC, mini armored tube
Protection level	IP67

