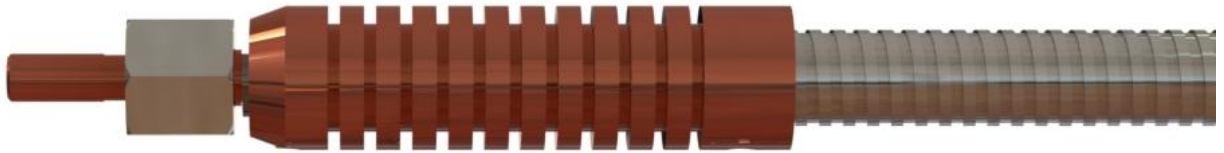


D80 High Power Fiber Optic Connector

Product Description

Using high-precision energy fiber connectors or improved D80 metal connectors with air gap protection. The large-core energy fiber equipped with end-face grinding can meet the requirements of 600W and below high-power laser flexible transmission, and the transmission efficiency can reach more than 90%, and the working efficiency is stable. Low insertion loss, good repeatability, large return loss, good interinsertion performance, good temperature stability, strong tensile performance, suitable for flexible high-power transmission applications.



Model D80 with cooling teeth



D80 conventional metal tail jacket

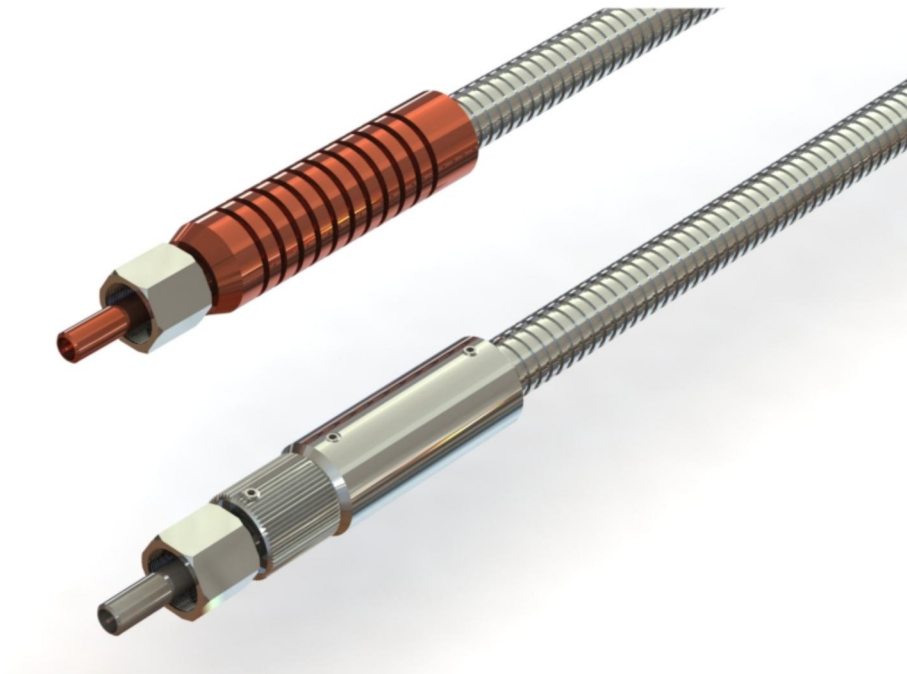
Features

- With all-metal structure, high temperature resistant glue, and high temperature resistant PI coated fiber, the product has excellent heat resistance.
- Match various energy transmission fibers with fiber core diameter 80-1000um.
- Provide FC, SMA905, D80 and other types of standard connectors, can be customized according to customer needs.
- Provide suspended core, glue-free process, suitable for high-power laser applications.
- Waterproof seal design, oil resistance, waterproof protection level up to IP67.

Applications

- High power laser
- Laser welding and cutting equipment
- Spectrum detection and measurement equipment
- Temperature sensing instrument
- Other types of optical fiber energy transmission scenarios





Product Parameter

Category	Indicators
End requirements	400X meets IEC 61300-3-35 standard
Maximum power	≥600W
Operating temperature	-40°C ~200°C
Fiber connector type	FC, D80, and SMA905 are optional
Core type	PC, APC, or PC Dangling Optional
Sheath	PVC, mini armored empty pipe
Class of protection	IP67

