High Temperature Resistant Fiber Optic Connector Assembly

Product Description

Conventional fiber optic connectors generally use a variety of plastic, rubber and other structural materials, are not able to withstand higher environmental temperatures, can not adapt to the requirements of some high temperature operating environment, my company launched a high temperature resistance fiber optic connector is mainly used in high temperature environment, the use of all-metal structure and high temperature resistance O-ring, with high temperature resistance fiber optic cable, It can meet the long-term working temperature of 260 ° C, and has dustproof, waterproof and other properties, which can meet the use requirements in harsh high temperature environment.

Features

- All-metallized connector structure, excellent overall temperature performance.
- Using high-performance high temperature resistant material O-ring and high temperature glue, with high temperature resistance, waterproof, dust resistance.
- Using the positioning key alignment mechanism, with blind insertion and anti-misinsertion function.
- Socket plug adopts screw fastening structure, stable and reliable.
- Standard connectors such as ST\FC\SMA905 can be selected for the branch end.
- Optical fiber and cable are made of high temperature resistant material, and the overall connector assembly meets the working requirements of 260°C.

Applications

- coke smelting, steel mills
- Power system equipment
- Temperature sensing and high temperature sensing equipment
- spectral detection
- high temperature resistant instruments and equipment

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Technical parameter

Category	Index requirement
Insertion loss	0.6 dB or less
Return loss	≥50dB(single mode)
Operating temperature	-65℃ to 260℃
Branch joint type	FC, D80, and SMA905 are optional
Fiber type	Single mode, multi-mode optional
Sheath	High temperature sheath, mini armored air pipe
Class of protection	IP67
Category	Index requirement
Insertion loss	0.6 dB or less