

E2000 Connector for Oil Pipeline Monitoring



Summary of Content

The E-2000 connector offers ultra-reliable fiber-optic performance with IP65 sealing and chemical-resistant materials, making it suitable for oil pipeline monitoring where contamination or catalytic residues may be present.

Overview of the E-2000 Connector

The E-2000 connector is a high-performance fiber-optic connector designed for critical industrial applications, including harsh environments like oil pipelines . It features Active Core Alignment (ACA) using a zirconia ferrule and titanium insert, ensuring ultra-low insertion loss (~ 0.1 dB) and high return loss, which is essential for precise monitoring and sensing systems . The connector also includes spring-loaded metal shutters to protect the fiber endface from dust, debris, and potential chemical contamination .

Anti-Catalytic Residue Function

While the E-2000 connector does not have a specific "anti-catalytic residue" label, its design inherently prevents contamination and chemical interference:

- IP65 O-ring sealing: Provides ingress protection against dust and water, which helps prevent chemical residues from entering the connector and affecting optical performance .
- Chemical-resistant materials: The zirconia ferrule and titanium insert are highly resistant to corrosion and chemical attack, reducing the risk of catalytic residue buildup on the fiber interface .

Article Content

E-2000® connector | optical fiber plug connector

The E-2000 is an optical fiber plug connector with push-pull locking mechanism and a self-closing dust protection flap. The connector

E-2000 Connector

The E-2000™ Connector offers a spring-loaded shutter mechanism that protects the ferrule end-face from scratches and dust while

E-2000® Connector | High-Performance Fiber Optics | DIAMOND SA

The E-2000® connector by DIAMOND - inventor of this reliable, high-performance fiber optic solution - offers low insertion loss and

E-2000® Connector

Single channel connector. Automatic dust and protective cap / shutter for laser safety. Ceramic - Titanium ferrule. Plastic connector

Diamond E2000 Connectors | Fiber Products Premium Splice Solutions

The complete E-2000® connector and component range is available directly through us — with German logistics,

Optical connector

Our E-2000® connectors can be sterilized in accordance with EtO, and can optionally be fitted with an O-ring seal in accordance with

E-2000 CONNECTOR

The SENKO E-2000™ Connector is a high-performance fiber optic connector known for its unique features and robust design. It

E-2000® Connector | PC & HRL/APC

The E-2000 is an optical fibre plug connector with push-pull locking mechanism and a self-closing dust protection flap. The connector

E-2000™

The E-2000™ connector is the most mechanically robust FO connector. Combined with R& M's quality requirements for raw

E2000 Connector Specifications & Standards | Fiber Products

Installation of E2000 connectors requires precise workmanship, but is significantly simpler than SC connectors thanks

Contact Us

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