E2000 Fiber Optic Connector Size Specifications

Overview

E2000 Connector Specifications & Standards | Fiber ProductsFor cable termination, the E2000 connector supports diameters of 0.9mm to 3.0mm, providing maxim.

Key Takeaways

The E2000 fiber optic connector features a 2.5 mm ceramic ferrule, push-pull mechanism, and precise dimensions defined by IEC 61754-15.Ferrule and Core Alignment

The E2000 connector uses a 2.5 mm diameter zirconia ceramic ferrule, which is larger and more robust than the 1.25 mm LC ferrule, providing stable fiber guidance and reducing mechanical stress during field termination . Diamond's Active Core Alignment (ACA) technology ensures the fiber core is perfectly centered, achieving ultra-low insertion loss (typically ≤ 0.1 dB) and high return loss .

Mechanical Dimensions and Coupling

The connector employs a push-pull locking mechanism with a spring-loaded system that maintains a constant contact force of approximately 7.8 Newtons . It includes a spring-loaded metal shutter that automatically opens during mating to protect the ferrule from dust and laser exposure . The connector is designed for both simplex and duplex configurations, with color-coded frames for secure identification .

Standards and Compliance

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

E2000 connectors conform to IEC 61754-15, which specifies precise geometric dimensions and optical performance requirements . They are also compliant with DIN EN 61755-3-2 Grade B for optical performance, ensuring reliable insertion and return loss values. Typical singlemode APC connectors achieve insertion loss < 0.25 dB and return loss > 60 dB .

Cable Compatibility

The connector supports a range of cable diameters, including 900 µm, 2 mm, and 3 mm jacketed fibers, and is suitable for singlemode and multimode applications . APC variants feature an 8° angled ferrule end-face, optimized for singlemode fiber to minimize back reflection .

Environmental and Durability Specifications

E2000 connectors are rated for a temperature range of -40°C to +85°C and a minimum of 1,000 mating cycles, making them suitable for demanding FTTH, data center, and industrial applications . Optional IP65 O-ring sealing and sterilization compatibility (EtO) are available for rugged or hygienic environments . In summary, the E2000 connector's 2.5 mm ferrule, push-pull mechanism, spring-loaded shutter, and IEC-compliant dimensions make it a high-performance, reliable choice for professional fiber optic installations requiring precision, durability, and low optical loss .

Article Content

E2000 Connector Specifications & Standards | Fiber Products

For cable termination, the E2000 connector supports diameters of 0.9mm to 3.0mm, providing maximum flexibility in

E-2000® Connector | High-Performance Fiber Optics

The E-2000® connector, invented by DIAMOND, delivers unmatched reliability

E-2000 CONNECTOR

The connector is color-coded for easy identification and uses a push-pull locking mechanism for secure connections. It complies with

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 | optical fiber plug connector

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

The connector is available for both singlemode and multimode applications. Variants: E-2000 /PC and E-2000 /APC. The E-2000

DIAMOND E-2000 Fiber Optic Components

Optical Sacrificial Interfaces are compact, in-line, male-to-female components, especially used in laboratory and field test equipment

PANDUIT® E2000 Fibre Optic Solution Guide

The E2000 fibre optic products offer both pre-loaded and fully modular systems to reduce installation time and maximize design

E2000 UPC Simplex Fiber Optic Connector

E2000 connector available for Singlemode PC, APC and Multimode PC, is fully compatible with Huber & Suhner lines. Compact

E2000 Fiber Optic Connector : sFiberOptic

There are single mode E2000 UPC connector, single mode E2000 APC connector and multimode E2000 UPC connectors, and there

E2000 Connectors

E2000 Connectors is a detachable (movable) connection device between optical fiber and optical fiber, which connects the two end

Fiber Optic Connector | Fiber Connector | E2000

Fiber optic connector is an important components used in the fiber optic network. It is also the key part

We would like to show you a description here but the site won''t allow us.

IEC standards for fiber optic connectors: Standard

IEC standards fiber optic connectors E2000 vs LC vs SC comparison Made in Europe 5-year

E2000 Connector Assembly

The E2000 Connectors are used in data centers, telecom, medical, military, and aerospace in addition to traditional WANs, LANs,

Standard Fiber Patch Cable Datasheet

Standard Fiber Patch Cables This E2000 Fiber optic patch cables are ideal for supporting high speed telecommunication network

E2000 Connectors

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Customized LSH (E2000) Boot Size Single Mode Fiber Optic Connector $4.10 P/N: 61331 Attention: For a formal quote, please send

E2000 Fiber Optic Connector

E2000 Connector Fiber Optic Connector is an important component used in the fiber optic network. It is also the key part used in

E2000 Connector

E2000 Connector DESCRIPTION Optical fiber connector is a detachable (movable) connection device between fiber and fiber. It

Datasheet

Datasheet - Rosenberger ... Datasheet

CTEC Fibre Optics

Fibre optic E2000/APC connector. E2000/APC Connector Overview CTEC supplies possibly the highest quality E2000/APC

PANDUIT® E2000 Fibre Optic Solution Guide

OPTICOM® E2000 fibre optic products provide a flexible and modular system with components for fibre termination, splicing, and

Fiber Connector Types: A Complete Guide (2024)

SC Connector The SC (Standard Connector, Subscriber Connector) is a fiber optic connector released by NTT in the

E2000 Fiber Optic Connector Kit Kit Price and Specification

E2000 fiber optic connector Kit and products are more and more used in the communication filed because its good performance.one

Optical connector

The unparalleled mechanical and optical interface of the E-2000® connector family makes it an ideal choice for many

LSH (E-2000) Connector

LSH (E–2000TM) Features latched push-pull connector automatic metal shutter in connector and adapter for dust protection and

FIBRE ADAPTOR_E2000 FIBRE OPTIC ADAPTOR

Norden hybrid Fibre optic adaptors are also available which are used to link different kinds of fibre optic connectors. Hybrid Adaptor

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

E2000 Fiber Optic Connector (Singlemode/ Multimode)

E2000/APC singlemode connector, zirconia ferrule, 125um fiber size, green housing, 3.0mm green boot G010057 Availability: Ship

E2000 Fiber Optic Adapter

E2000 Adapter E2000 Adapter Canovate fiber optic adapters are compatible with all fiber types including singlemode (9/125

E2000 Connectors

E2000 Connectors E-2000® is an optical fiber plug connector, available for both single mode and multi-mode applications, featuring

E2000 Fiber Optic Connector

E2000 products include simplex and duplex versions. E2000 fiber connector and related products comply with IEC 61 754-15 and

Fiber Optic Connector | Fiber Connector | E2000

Fiber optic connector is an important components used in the fiber optic network. It is also the key part

We would like to show you a description here but the site won''t allow us.

IEC standards for fiber optic connectors: Standard

IEC standards fiber optic connectors E2000 vs LC vs SC comparison Made in Europe 5-year

E2000 Connector Assembly

The E2000 Connectors are used in data centers, telecom, medical, military, and aerospace in addition to traditional WANs, LANs,

Standard Fiber Patch Cable Datasheet

Standard Fiber Patch Cables This E2000 Fiber optic patch cables are ideal for supporting high speed telecommunication network

E2000 Connectors

Customized LSH (E2000) Boot Size Single Mode Fiber Optic Connector $4.10 P/N: 61331 Attention: For a formal quote, please send

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

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

E2000 Optical Fiber Connectors | HYC Co., Ltd

The E2000 fiber optic connector provided by HYC meets the working environment of -40~85 °C, with an average of

E2000FiberOpticPatchcord

Product Description The E2000 connector high-performance fiber optic patchcord adopts advanced E2000 connector design,

E2000 Apc Fiber Optic Connector, E2000 Fiber, E2000 Optical Connector ...

The e2000 fiber optic connector has an integrated shutter system that protects the ferrule end-face from scratches and dust while

E2000 Fiber Optic Connector

E2000 Connector Fiber Optic Connector is an important component used in the fiber optic network. It is also the key part used in

E2000 Connector

E2000 Connector DESCRIPTION Optical fiber connector is a detachable (movable) connection device between fiber and fiber. It

Datasheet

Datasheet - Rosenberger ... Datasheet

CTEC Fibre Optics

Fibre optic E2000/APC connector. E2000/APC Connector Overview CTEC supplies possibly the highest quality E2000/APC

E2000 Connector Specifications & Standards | Fiber Products

For cable termination, the E2000 connector supports diameters of 0.9mm to 3.0mm, providing maximum flexibility in

E-2000® Connector | High-Performance Fiber Optics

The E-2000® connector, invented by DIAMOND, delivers unmatched reliability

E-2000 CONNECTOR

The connector is color-coded for easy identification and uses a push-pull locking mechanism for secure connections. It complies with

E-2000 Connector

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

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

E-2000® connector | optical fiber plug connector

The connector is available for both singlemode and multimode applications. Variants: E-2000 /PC and E-2000 /APC. The E-2000

DIAMOND E-2000 Fiber Optic Components

Optical Sacrificial Interfaces are compact, in-line, male-to-female components, especially used in laboratory and field test equipment

PANDUIT® E2000 Fibre Optic Solution Guide

The E2000 fibre optic products offer both pre-loaded and fully modular systems to reduce installation time and maximize design

E2000 UPC Simplex Fiber Optic Connector

E2000 connector available for Singlemode PC, APC and Multimode PC, is fully compatible with Huber & Suhner lines. Compact

E2000 Fiber Optic Connector : sFiberOptic

There are single mode E2000 UPC connector, single mode E2000 APC connector and multimode E2000 UPC connectors, and there

E2000 Connectors

E2000 Connectors is a detachable (movable) connection device between optical fiber and optical fiber, which connects the two end

E2000 Connector Specifications & Standards | Fiber Products

For cable termination, the E2000 connector supports diameters of 0.9mm to 3.0mm, providing maximum flexibility in

E-2000® Connector | High-Performance Fiber Optics

The E-2000® connector, invented by DIAMOND, delivers unmatched reliability

E-2000 CONNECTOR

The connector is color-coded for easy identification and uses a push-pull locking mechanism for secure connections. It complies with

E-2000 Connector

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

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

E-2000® connector | optical fiber plug connector

The connector is available for both singlemode and multimode applications. Variants: E-2000 /PC and E-2000 /APC. The E-2000

DIAMOND E-2000 Fiber Optic Components

Optical Sacrificial Interfaces are compact, in-line, male-to-female components, especially used in laboratory and field test equipment

PANDUIT® E2000 Fibre Optic Solution Guide

The E2000 fibre optic products offer both pre-loaded and fully modular systems to reduce installation time and maximize design

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved