

ESCON Connector Anti-Calling Solution



AI Overview

Preventing misconnection in ESCON fiber optic systems relies on keyed connectors, color coding, and proper alignment sleeves to ensure correct mating and minimize signal errors.

Key Features of ESCON Connectors

ESCON connectors are used in IBM mainframe environments to replace traditional bus and tag cables with fiber optic links, supporting data rates up to 200 Mbps. The standard connector system is a Retractable Shroud Duplex (RSD), which can be supplied as terminated patchcords or pigtailed. Hybrid patchcords allow one end to use an ESCON connector and the other end to use MT-RJ, LC, ST, or SC connectors, providing flexibility in mixed environments.

Anti-Calling Measures

To prevent accidental connections or "calling" errors in ESCON systems:

- Keyed Connectors:** ESCON connectors and SC-duplex alternatives are keyed to prevent plugging multi-mode fibers into single-mode receptacles, ensuring correct orientation and signal integrity.
- Color Coding:** Single-mode ESCON channels use gray transceiver receptacles and yellow optical fiber cables, providing a visual cue to avoid misconnection.
- Zirconia Alignment Sleeves:** Adaptors and panel mounts include zirconia alignment sleeves, which maintain precise fiber alignment and minimize connection losses, reducing the risk of signal reflection or miscalling.
- Physical Contact Design:** ESCON connectors use physical-contact (butt-coupled) fiber ends, which touch precisely to maximize light transfer and minimize return loss, further preventing unintended signal feedback.

Best Practices

Always verify connector type and keying before mating fibers. Use terminated patchcords or pigtailed that meet IBM system specifications. Maintain clean fiber end-faces using appropriate cleaning tools to prevent signal degradation. Follow color coding and labeling standards to ensure single-mode and multi-mode fibers are not interchanged. By combining keyed connectors, color coding, and precise alignment, ESCON systems effectively implement an anti-calling solution, preventin...

Article Content

Fiber Connector Types: A Complete Guide (2024)

A fiber connector is a precise coupling device to join fiber cables quickly. This guide introduces LC, SC, FC, ST, MPO, CS and many others.

The FOA Reference For Fiber Optics

The final solution for singlemode systems extremely sensitive to reflections, like CATV or high bitrate telco links, was to angle the end of the ferrule 8 degrees to

Definition of ESCON | PCMag

What does ESCON actually mean? Find out inside PCMag's comprehensive tech and computer-related encyclopedia.

ESCON Fiber Optic Connectors

List of ESCON Fiber Optic Connectors Product Specs, Datasheets, Manufacturers & Suppliers

ESCON2 Feature Chart

ESCON2 Feature Chart The ESCON2 line of products from maxon are small, powerful 4-quadrant PWM servo controllers. Their high power density allows flexible use for brushed DC motors and brushless

Prizm | Optica Technologies Inc.

Once Prizm is deployed, the migration of the remaining devices from ESCON to FICON can be managed over any time horizon. To see Prizm solutions in action,

ESCON Overview

ESCON 50/5 ESCON 70/10 Depending on the ESCON variant, the following motor types can be operated – DC motor: Permanent-magnet DC motor – EC motor: Brushless, electronically commu

ESCON adapters | OPTOKON

The ESCON adapters are available for both singlemode and multimode performances. The ESCON compatible series includes duplex to ST and duplex to duplex couplings.

Fiber Optic Connectors, Corning Unicam Connectors, Multimode Fiber ...

Our standard fiber optic connectors include singlemode connectors, multimode connectors, ST-SC connectors, SC-ST connectors, ST MTRJ connectors, LC-Escon connectors, Escon-LC connectors,

Connector ESCON

Follow ESCON connector cleaning guidance to remove contamination from fiber end faces using Chemtronics precision tools and wipes in network maintenance.

Molex ESCON Fiber Optic Connectors – Mouser

Mouser offers inventory, pricing, & datasheets for Molex ESCON Fiber Optic Connectors.

ESCON2 Communication Guide

These instructions are intended for qualified technical personnel. Prior commencing with any activities... you must follow the instructions given therein.

ESCON host adapters and cables

Note: For highest availability, it is recommended that you add adapters in pairs. Each ESCON host adapter port requires a 62.5-micron multimode fiber-optic ESCON cable to connect the ports to a

1060400200 Molex | Connectors, Interconnects | DigiKey

Order today, ships today. 1060400200 – Fiber Optic Plug Connector ESCON Duplex 127µm from Molex. Pricing and Availability on millions of electronic components from Digi-Key Electronics.

Maxon's New ESCON2 DC controller elevates precision

Maxon, a leader in DC motor and drive solutions, has unveiled its latest innovation: the ESCON 2 controller. This advanced speed and current

ESCON: Compatible Fiber Optic Interconnect Solutions

ESCON Series duplex fiber optic interconnect products are fully compatible with ESCON I/O interfaces as defined in IBM document SA22-7202-00. The

ESCON: Compatible Fiber Optic Interconnect Solutions

ESCON connector is available in singlemode and multimode versions. Discover superior performance with the ESCON interconnect product, designed for

ESCON 36/2 DC Hardware Reference

3.4.7 ESCON 36/2 DC Connector Set If you decide not to employ maxon motor's prefabricated cable assemblies, you might wish to use the prepackaged kit that contains all connectors required to make

Physical-contact connectors

For single-mode ESCON links, the SC-duplex connector may be used on both the transceiver receptacle and the fiber optic cable as an alternative to the single-mode ESCON connector and receptacle.

ESCON host adapters and cables

These cables have a small form factor, industry standard MT-RJ connector at one end for attachment to the ESCON adapter port. The other cable end, which connects to the server or fabric port, can be

ESCON2 Compact 60-30 Hardware Reference

These tables provide information about the hardware connectors, their corresponding wired signals, the assigned pins, and details regarding the prefab cables that are available.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.tomor.eu>

Email: info@tomor.eu

Phone: +49 69 2381 5497

Address: Am Hauptbahnhof 10, 60329 Frankfurt am Main, Germany

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