

Industrial Ethernet PLC Splitter Low Temperature Resistance Manufacturer



Article Overview

FIBCONET, Sopto, FS, Riteoptic, and Agiltron are leading manufacturers of low-temperature resistant PLC splitters suitable for industrial Ethernet applications.

Key Manufacturers and Products

FIBCONET offers a wide range of 1xN and 2xN PLC splitters with robust low-temperature performance. Their products are fabricated using silica optical waveguide technology, ensuring high reliability, wide operating wavelength range, and excellent channel-to-channel uniformity. FIBCONET splitters are designed to withstand temperature, humidity, mechanical vibration, and shock during transport and operation, making them suitable for industrial environments. They have manufacturing centers in Ningbo, Guizhou, and Northeast China, with a production capacity of 300,000 PLC splitters per month (FIBCONET). Sopto manufactures single-mode PLC splitters with steel tube, ABS cassette, plug-in, tray, and rack-mount types. Their splitters operate reliably in temperatures from -40°C to +85°C, offering low insertion loss, low PDL, high return loss, and excellent uniformity across 1260-1650 nm. Standard configurations include 1x4, 1x8, 1x16, and 1x32, with custom options like 2x8, 2x16, 2x32, and 2x64. FS provides compact PLC splitters suitable for PON, EPON, and FTTX networks. Their splitters support 1xN light distribution with low insertion loss and PDL, ensuring high-reliability transmission in industrial and outdoor applications. Riteoptic produces micro, box, frame, and insert PLC splitters with adjustable splitting ratios. Their splitters are stable across all ratios, occupy minimal space, and are designed for industrial-grade reliability. Customization is available to...

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ABS Splitter | Reliable Fiber Optic PLC Splitter Solution

ABS splitter provides stable, low-loss signal distribution in fiber networks. Ideal for FTTH, PON, and data systems needing durable

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54 PLC Splitter Manufacturers in 2026

This section provides an overview for plc splitters as well as their applications and principles. Also, please take a look at the list of 54

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Industrial Ethernet: What Is It & How Does It Work [Ultimate Guide]

Industrial Ethernet (IE) uses standard Ethernet technology in industrial settings. It provides reliable and real-time communication

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PLC Splitters | OEM Optical Communication Solutions | Corning

Corning's QuickPath™ PLC optical splitters reduce insertion loss and deliver high performance. These devices enable more effective

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PLC Splitter (Standard Grade)

Corning's Planar Lightwave Circuit Splitters deliver on all these requirements. These highly stable components

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Heat Resistance 1X8 Insert Type PLC Splitter Low Temperature

Fibconet focus on the fiber optical components, such as PLC splitter, patch cord, adapter, connectors etc. Especially for the PLC

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Unmanaged Industrial Ethernet Switches | Rugged DIN Rail Switch

Unmanaged Industrial Ethernet Switches Compact DIN Rail Switches Industrial-grade Unmanaged Switches are "plug & play"

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Industrial Ethernet Switches | WAGO

Industrial Switches Versatile Redundant power supply Alarm contact configuration via DIP switches Use of SFP modules Rugged

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Ethernet Cables

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Industrial PoE Splitter | Industrial & Telecom Network Equipment ...

The industrial-grade Gigabit Ethernet PoE splitter INJ-SPL01 can be powered by PoE power source equipment passing the

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High Resistance 1X8 1X16 Insert Type PLC Splitter Low Temperature ...

Product Description High Resistance 1X8 1x16 Insert Type PLC Splitter Low Temperature Resistance Plug-in Type Fiber Optic PLC

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PLC Splitters

Planar lightwave circuit (PLC) splitter is fabricated using silica optical waveguide technology and offers a low cost solution for optical

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Planar Light Circuit (PLC) Optical Splitters

Corning's Planar Light Circuit (PLC) splitters are fully passive optical branching devices that exhibit uniform signal-splitting for the

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Fiber PLC Splitter Manufacturer | FTTH & GPON Solutions

PLC Splitter Manufacturer for FTTH & GPON Networks A PLC splitter is a passive optical device used in FTTH and GPON networks

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How to Prevent PLC Thermal Shutdowns in Factory Automation

Preventing PLC Overheating: Expert Strategies for Industrial Control System Stability When a PLC CPU triggers a

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Industrial Ethernet solutions | HARTING Technology Group

More solutions and resources eBook Industrial Ethernet Smaller, faster, smarter: discover ethernet solutions for the industrial

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PLC Splitter Manufacturer, Supplier | Sopto

The PLC type devices have high performance in terms of low insertion loss, low PDL high return loss and excellent uniformity over a

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China PLC Splitter Manufacturers and Suppliers

Wholesale customized plc splitter on fiberopticom . We're well-known as one of leading plc splitter

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Plug-in Type PLC Splitter | HYC Co., Ltd

The Plug-in Type PLC Splitter provide a truly flexible solution that addresses the needs of today's FTTX networks.

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TRENDnet Industrial 10G SFP+ Media Converter, TI-F711SFP

TRENDnet Industrial 10G SFP+ Media Converter, TI-F711SFP, Extreme Temperature IP50 Rated, Ethernet Splitter, DIN-Rail and

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PLC Splitters: Reliable Solutions From 1x2 To 1x64

PLC splitters offer several key advantages, including high reliability due to their resistance to temperature variations and long

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PLC Splitter Bulk Supplier | Baymro B2B Solutions

PLC Based Fiber Optic Splitter Box Baymro Technology optical power of PLC Splitter evenly over the entire single-mode operating

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Ethernet connectors

References Our Industrial Ethernet components in practice Success stories The key factor – functional

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PLC Splitter Bulk Supplier | Baymro B2B Solutions

Power your fiber networks with high-performance PLC splitters. Global B2B manufacturer offering bulk optical splitting solutions with

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The Temperature Adaptation Revolution of Industrial Ethernet Switches

"Industrial Ethernet Switch Selection White Paper for Extreme Temperature Environments": A systematic analysis of the impact

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Industrial Ethernet Switches – Simple and effective

Our Ethernet switches are designed for use in industrial environments. They are robust, impact-resistant and temperature-resistant.

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Premium PLC Splitter Manufacturing: Advanced Optical Network

Industry-leading PLC splitter manufacturer offering high-performance optical splitting solutions with advanced technology,

Contact Us

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