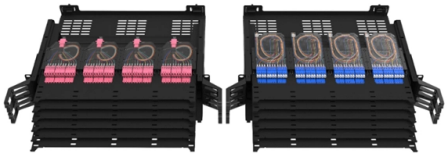
Austria Warranty Butterfly-type Fiber Optic Cable Multimode



Overview

In addition to our stocked multimode patch cables, we offer a custom fiber optic patch cable service with many options eligible for same-day shipment.

Key Takeaways

The Austria Warranty Butterfly-type Fiber Optic Cable is a multimode fiber cable designed for short-distance, high-bandwidth applications, produced by PENGG KABEL GmbH with compliance to European standards.

Overview

The Butterfly-type fiber optic cable is a multimode cable, meaning it supports multiple light propagation modes within its core, making it ideal for short-distance communication such as LANs, data centers, and campus networks. Its design typically features two or more fibers in a flat, ribbon-like configuration, which enhances flexibility and simplifies installation in tight spaces.

Multimode Fiber Specifications

Multimode fibers are categorized into types OM1 through OM5, each with distinct core sizes, bandwidth, and transmission distances: OM1: 62. 5 µm core, supports 10 Gbps up to 33 meters, commonly used for 100 Mbps Ethernet. OM2: 50 µm core, supports 10 Gbps up to 82 meters, suitable for 1 Gbps Ethernet.

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OM3: 50 µm core, optimized for laser-based equipment, supports 10 Gbps up to 300 meters. OM4: 50 µm core, enhanced for VCSEL lasers, supports 10 Gbps up to 550 meters and 40/100 Gbps up to 150 meters. OM5: Wideband multimode fiber (WBMMF), supports multiple WDM channels at 28 Gbps per channel, compatible with OM4.

The Butterfly-type cable can incorporate any of these multimode fibers depending on the required data rate and distance. Manufacturer and QualityPENGG KABEL GmbH, based in Austria, manufactures these cables with a focus on telecommunication and railway applications. The company emphasizes high-quality production standards, compliance with European Construction Products Regulations (EN 50575), and CE marking for flammability and safety.

Their facilities are certified for sustainability and corporate responsibility, ensuring reliable and environmentally conscious production.

Applications

Local Area Networks (LANs): Connecting servers, switches, and workstations. Data Centers: High-bandwidth interconnects between racks and equipment.

Fiber-to-the-

Desk (FTTD): Direct fiber connections to office workstations. Short-distance high-speed links: Ideal for OM3/OM4/OM5 fibers in enterprise environments.

Advantages

Ease of installation due to flat, flexible design. Cost-effective for short-range, high-bandwidth applications. High reliability with compliance to European standards and rigorous testing.

Scalable for future upgrades using higher-speed multimode fibers. In summary, the Austria Warranty Butterfly-type Multimode Fiber Optic Cable is a versatile, high-quality solution for short-distance optical communication, combining the benefits of multimode fiber technology with the reliability and compliance of an established Austrian manufacturer.

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Article Content

Multimode Fiber Optic Patch Cables

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Our comprehensive guide to types of fiber optic cables. Learn all about the differences between single mode and multimode cables, as well as the various

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Ideal for telecommunications, data centres and networking applications, our fibre optic cables are available in single-mode and multimode configurations to meet the specific needs of your system.

Fiber Optic Cable Types | Omnitron Systems Guide

In this guide, Omnitron Systems explores the key differences between different types of fiber, their applications, and how to select the right type of cable for your

Fiber Optic Cable Types: A Complete Guide

The three main types of fiber optic cable are single mode fiber, multimode fiber, and plastic optical fiber. Single mode fiber has a small core and

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Fiber Optic Cable Types: Single Mode vs Multimode Fiber Cable

Single mode means the fiber enables one type of light mode to be propagated at a time. While multimode means the fiber can propagate multiple modes. The differences between single

Fiber Optic Cable Types – Multimode and Single Mode

Fiber Optic Cable Types – Multimode and Single Mode Application Fiber Optic connectors and cables are present in nearly every communications

Austria Fiber Optic Cable Market (2025-2031) | Revenue & Share

Austria Fiber Optic Cable Market Size Growth Rate The Austria Fiber Optic Cable Market is projected to witness mixed growth rate patterns during 2025 to 2029. From 2.18% in 2025, the growth rate

What Are The Multimode Fiber Cable Types?

According to the standard ISO/IEC 11801 specification, multimode fibers are divided into five categories: OM1, OM2, OM3, OM4, and OM5.

The transmission distance of the butterfly leather fiber

Butterfly leather fiber optic cable is a type of optical fiber cable that is used for long-distance data transmission. It is made up of multiple fibers that are

Multi-Core Single-Mode Fibre Optic Cables

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Multi-Mode vs. Single-Mode Fiber-Optic Cable: Debates and Differences

If you must know one thing about fiber-optic cable, it''s the difference between single-mode and multi-mode strands. Fiber-optic cable offers a bewildering variety of connectors,

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