ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Bundle-type optical cables



Overview

Fiber optic bundles consist of multiple optical fibers grouped together to transmit light signals simultaneously. These bundles are integral to various applications, including imaging systems, illumination, spectroscopy, sensors, and high-speed data transmission across diverse. Thorlabs offers multimode fiber bundles in straight, bifurcated (Y-cable), or fan-out configurations and round or linear bundle end configurations. Our stock fiber optic bundles are terminated with SMA905 connectors and are offered with high OH fiber, low OH fiber, and our mid-IR fluoride optical. Use this fiber bundles buying guide to compare major types, define selection criteria, and find suppliers: Professional purchasing of high-value photonics products is a substantial responsibility, where a structured decision-making process is essential. RP Photonics offers a lot of help: Get. FiberTech Optica delivers fiber optic bundles to meet almost any requirement. What is the difference between single-mode and multimode fiber cables?

High-Power Fiber Optic Bundles with Thermally Fused Ends for Laser Beam Delivery and Uniform Beam Splitting Fiber Optic Bundles with Linear Input and Output Geometry, Available in FC/PC, SMA905, Custom Ferrules.



© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Article Content

Multimode Fiber Bundles

Our stock fiber optic bundles are terminated with SMA905 connectors and are offered with high OH fiber, low OH fiber, and our mid-IR fluoride optical fiber (for

Industrial fiber optic bundle manufacturer, fiber optic bundle

With virtually no limit on the number of fibers, all of our fiber optic bundles can be configured as spot, line, grid, hex, or custom shape. Any number of legs can be mapped, randomized, or patterned to

Fiber Optic Cables and Bundles | FindLight: Compare 300+ Products

Find the perfect Fiber Cables & Bundles for your optical application from over 120 suppliers worldwide. Discover a vast selection of single mode and multimode fiber optic cables, as well as bundled fiber

Fiber Bundles, Assemblies

Many of our customers'' products, systems or manufacturing processes require using a fiber optic cable assembly to allow the opto-electronic sensing components to

Fiber Bundles

Depending on your light source or necessary emission geometry, you can choose your bundle type by its end geometry—round, line, square or custom. Round

Comprehensive Technical Guide to Fiber Optic Bundles

Fiber optic bundles consist of multiple optical fibers grouped together to transmit light signals simultaneously. These bundles are integral to various applications,

Fiber Optic Bundles | Suppliers

Each bundle consists of numerous individual optical fibers, which may be made of glass or plastic, designed to guide light efficiently over various distances. The fibers are encased in a protective

Fiber Bundles – flexible light pipes, fiber rods, profile

What is a Fiber Bundle? For some applications, some number of optical fibers is bundled together, forming a fiber bundle or fiber-optic bundle. In most cases, one

Fiber Bundles, Assemblies

Product PortfolioAMS Technologies'' broad portfolio of fiber optic assemblies ranges from single fiber cables terminated with industry standard connectors at both

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Coherent Bundle

Many types of optical fiber are available for different environments, including undersea cables, outdoors (with integrated strength members to facilitate hanging cables from telephone poles), and indoors.

What is a bundle of optical Fibres called?

An optical fiber bundle is composed of numerous optical fibers, each of which is a thin strand of glass or plastic. Each fiber within the bundle is designed to carry light signals, utilizing the principle of total

What''s the Difference Between Ribbon Fiber Optic

What is Bundle Fiber Optic Cable and its Advantages and Disadvantages? A bundle fiber optic cable refers to a type of optical fiber cable where multiple individual

Fiber Bundles – Buying Guide & Supplier List | RP

Fiber Bundles – Buying Guide & Suppliers Use this fiber bundles buying guide to compare major types, define selection criteria, and find suppliers: □□ Technical

What is a fiber optic bundle?

The entire bundle is typically encased in a protective outer jacket. There are two main types of fiber optic bundles: Single-mode fiber bundles: These are designed for long-distance communication, allowing

Fiber Optic Bundles

Fiber optic bundles may feature only lightweight furcation tubing as protection for the fibers if they are intended for use in the laboratory or other benign environments,

The Ultimate Guide to Fiber Optic Cable: Understanding

Q: What is the meaning of color coding in relation to fiber optic cables? A: This helps you see each individual fiber within a bundle, which simplifies

Handbook Optical fibres, cables and systems

The first ITU-T Handbook related to optical fibres, Optical Fibres for Telecommunications, was published in 1984, and several others have been produced over the years. It is an honour to present you with

Fiber Optic Cables Technical Data

Application Recommendations Many glass fiber optic cables are available with different glass fiber bundle diameters. Larger diameter bundles contain more fibers to carry light between the sensor and

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved

Contact Us

Continue your research online:

Website: https://zithatech.co.za
Technical inquiry: https://zithatech.co.za/contact.html

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

© 2026 ZITHA TECH SPECIALTY CABLES (Pty) Ltd - All rights reserved