

Fiber optic cable bundle model specifications



Overview

The cable is sheathed in stainless steel and is rated to 107°C [225°F]. Minimum bend radius is 50 mm [2 inch] for each leg. FiberTech Optica delivers fiber optic bundles to meet almost any requirement. 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 customer. Thorlabs offers multimode fiber bundles in straight, bifurcated (Y-cable), or fan-out configurations and round or linear bundle end configurations. These bundles are integral to various applications, including imaging systems, illumination, spectroscopy, sensors, and high-speed data transmission across diverse industries. 55 NA input, each leg of a bifurcated bundle receives 43% of the total incident energy (approximately 4% is reflected at the input and output and. Complementary to a single mode fiber bundle, a 2-D tapered fiber optic cable bundle uses a flat-bottom groove and lid to stack multiple fibers tightly together in a rectangular or circle arrangement.



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 285 nm - 4.5 μ m). Our bifurcated optogenetics ...

PRO SHEET Fiber Optic Bundles

Fiber active diameter x # tails x length/tail - meters Example: 2mm x 16 x 3 meters Custom fiber bundles of any length and combination of diameters available as standard Maximum tail length for optimal ...

OS2 Single-Mode Fiber Bundles

Sumitomo Electric Lightwave's OS2 Single-Mode Fiber Bundles are designed for installation into the FutureFLEX® Air-Blown Fiber® tube cable infrastructure. They can be used in indoor and outdoor ...

Spec Sheet

By bundling high-performance fiber cables together, we've optimized pathway fill and reduced installation time. With up to a 50% faster deployment rate, Siemon's Bundled Fiber Trunks provide a ...

Fiber Optic Cables Technical Data

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 application.

12 Core Single Mode Fiber Optic Bundle Cable Patch Cable

Fiber optic bundle cable, also known as pigtail bundle, only has a connector at one end, while the other end is a fiber break. It is used to connect fiber optic cable to terminal equipment.

77533 Fiber Optic Bundle

When light is uniformly focused onto the large unified 0.55 NA input, each leg of a bifurcated bundle receives 43% of the total incident energy (approximately 4% is reflected at the input and output and ...

Single Mode Fiber Optic Cable Bundle, 2D Multimode Fiber Bundle, ...

Complementary to a single mode fiber bundle, a 2-D tapered fiber optic cable bundle uses a flat-bottom groove and lid to stack multiple fibers tightly together in a rectangular or circle arrangement.

Comprehensive Technical Guide to Fiber Optic Bundles

This comprehensive technical guide delves deep into the construction, types, applications, and advanced manufacturing processes of fiber optic bundles, showcasing why FSI stands out as a ...

Industrial fiber optic bundle manufacturer, fiber optic bundle ...

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Contact Us

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