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Thorlabs offers a selection of Endlessly Single Mode (ESM), Large-Mode-Area (LMA) Photonic Crystal Fibers (PCFs), including Polarization-Maintaining (PM) versions.



We made an all-silica optical fiber by embedding a central core in a two-dimensional photonic crystal with a micrometer-spaced hexagonal array of air holes. An effective-index model confirms that such ...



Photonic-crystal fiber (PCF) is a class of optical fiber based on the properties of photonic crystals. It was first explored in 1996 at University of Bath, UK.



Such fibres are known as photonic crystal fibres (PCFs), as they rely on the unusual properties of photonic crystals to deliver previously unimaginable performance from an optical fibre...



If only one mode exists, the fiber is known as “single mode.” In 1991, the idea emerged that light could be trapped inside a hollow fiber core by creating a periodic wavelength-scale lattice of microscopic ...



A unique feature of PCFs is that a single fiber may support single-mode operation over a wavelength range from around 300 nm to beyond 2000 nm - even for large mode field areas (of several hundred ...



PCF Fiber cables by Schäfter+Kirchhoff are endlessly single-mode, optionally polarization-maintaining photonic crystal fibers with Gaussian intensity profile and low-stress fiber connectors with end caps.



PCF fibers are endlessly single-mode, (polarization-maintaining, only type PCF-P), specialized photonic crystal fiber cables. They have a Gaussian intensity profile and are equipped with low-stress fiber ...



Photonic crystal fibers are an independent technology that was pioneered by Phillip Russell. It has the form of a finite, two-dimensional photonic crystal, usually with a defect in the center. There are ...



Photonic crystal fibers are a new class of fiber, which along with the benefits of conventional fibers provides unique properties such as endlessly single mode operation, no cut-off ...

Contact Us

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