APR00027CB0

Dual-core photonic crystal fiber

DESCRIPTION

The core of the dual-core photonic crystal fiber is composed of two symmetric pure silica cores. Compared with the traditional dual-core fibers, dual-core photonic crystal fibers have the advantages of the shorter coupling length. In that case, the photonic crystal fibers have great potential applications in optical devices. Such as beam couplers, splitters WDM and so on.
This fiber is available spliced to standard single mode fiber.

ADVANTAGES

Short coupling length
Flat dispersion in the wavelength range of 0.8~2um
High strength

APPLICATIONS

Fiber optical sensors
Beam couplers
Beam splitters
Temperature sensor experiments

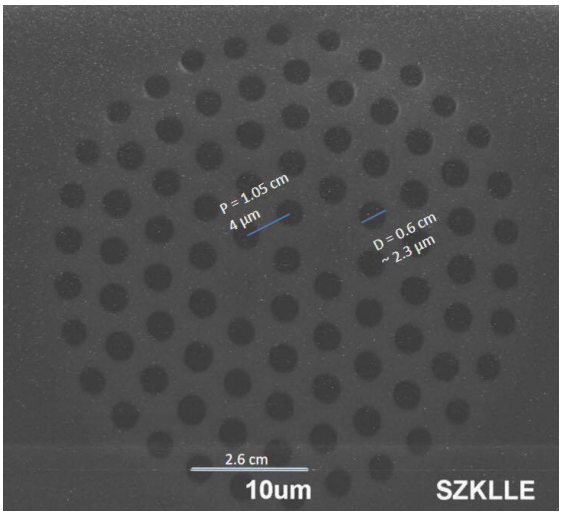
OPTICAL PROPERTIES

Zero dispersion wavelength: 1000±10nm
attenuation@1060nm: <3dB/km
coupling length@1060nm: 38/31mm

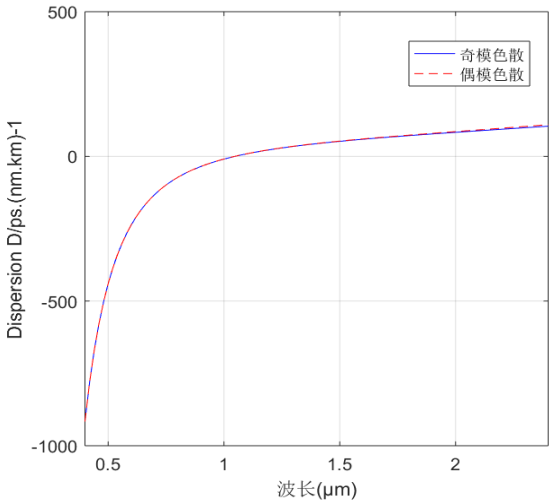
PHYSICAL PROPERTIES

Material:	pure silica
Core diameter:	5.7μm
Cladding diameter:	125±2μm
Coating diameter:	245±5μm
Coating material:	Acrylate

CROSS SECTION PHOTOGRAPH



TYPICAL DISPERSION



COUPLING LENGTH VARIES WAVELENGTH