

## M-type fiber for exploiting higher-order-modes dispersion for application in mid-IR supercontinuum generation - DTU Orbit (08/11/2017)

### M-type fiber for exploiting higher-order-modes dispersion for application in mid-IR supercontinuum generation

We demonstrate an M-type fiber suitable for launching higher-order-modes (such as LP02&LP03) as core-confined-modes, while guiding LP01 and other lower-order-modes in a ring. The M-type fiber can shift the zero-dispersion-wavelength of bulk-material by several 1000\_nanometers.

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