

PM-DCF and SM-DCF

Dispersion Compensating Fibers (PM/SM)



APPLICATIONS

- Ultrafast fiber lasers
- Fiber networks (ultrafast)
- Microscopes

DESCRIPTION

The growing number of applications of ultrafast lasers, requires also proper dispersion compensation in most cases. Cycle GmbH offers a wide variety of dispersion compensation techniques. The most popular products, which are always in stock for short lead times, are the following:

- Connectorized dispersion compensated fiber modules
- SM and PM dispersion compensating fibers

We are happy to offer dispersion-matched SM and PM fiber modules with customized fiber lengths and all possible fiber connectors. Please contact us for more information.

SPECIFICATIONS

Parameter	SM-DCF	PM-DCF	Unit
Operating Wavelength	1550		nm
MFD	5 ± 1		µm
Attenuation @1550nm	<0.6	<0.5	dB/km
Dispersion Coefficient @1550nm	-140 ± 40	-100 ± 10	ps/ (nm km)
Cladding Diameter	120 ± 10	125 ± 2	µm
Coating Diameter	245 ± 10	250 ± 10	µm

Other fibers and related products on request. Please contact us!