



PM-DCF

Polarization-maintaining dispersion compensating fiber



APPLICATIONS

- Ultrafast fiber lasers
- Fiber links & networks
- Optical telecommunication
- Laser microscopy

DESCRIPTION

Effective dispersion compensation is a key requirement for many applications involving ultrafast lasers and broadband optical signals. Cycle can offer a variety of dispersion compensation modules to satisfy the needs of your application. Our products include polarization-maintaining dispersion compensating fibers (PM-DCF) with different connector types and customized lengths. Please contact us for more information.

SPECIFICATIONS

Dispersion Specifications @ 1550 nm	Value	Unit
Dispersion	-100 ± 10	ps/(nm·km)
Dispersion Slope	-0.34	ps/(nm ² ·km)
Relative Dispersion Slope	0.0034 ± 0.0004	1/nm
Group Velocity Dispersion	1.275×10^5	fs ² /m
β_3/β_2	-6	fs
Optical Specifications		
Operating Wavelength	1510 - 1620	nm
Mode Field Diameter	5	μm
Effective Area	20	μm ²
Attenuation	≤ 0.45	dB/km
General Specifications		
Cladding Diameter	125 ± 1.5	μm
Coating Diameter	250 ± 10	μm

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