

SM-DCF

Single-mode 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 single-mode dispersion compensating fibers (SM-DCF) with different connector types and customized lengths. Please contact us for more information.

SPECIFICATIONS

Dispersion Specifications @ 1545 nm	Value	Unit
Dispersion	-100 ~ -170	ps/(nm·km)
Dispersion Slope	-0.43 ~ -0.49	ps/(nm ² ·km)
Relative Dispersion Slope	0.00288 ~ 0.00432	1/nm
Optical Specifications		
Operating Wavelength	1510 - 1620	nm
Mode Field Diameter	5.0 ± 1	µm
Attenuation	≤ 0.55	dB/km
General Specifications		
Cladding Diameter	120 ± 10	µm
Coating Diameter	245 ± 10	µm

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