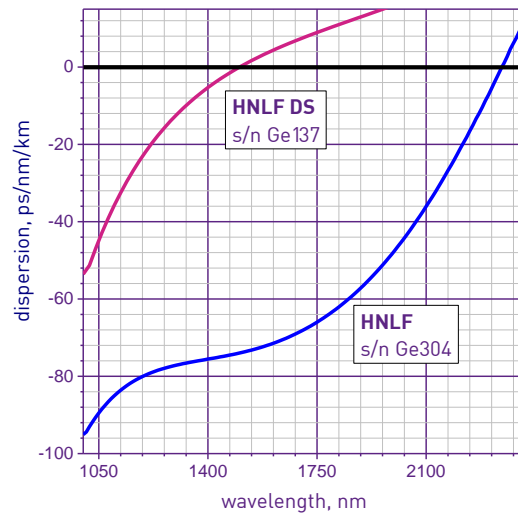


# SPECIALTY FIBER HIGH NON-LINEAR FIBERS

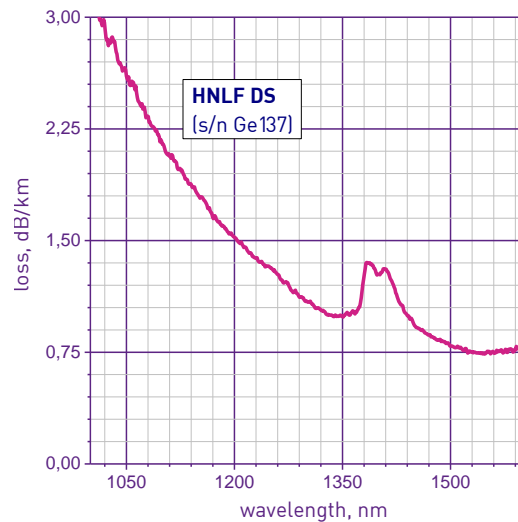
## ARTICLE HNLF (s/n Ge304)

HNLF series is designed to maximize fiber nonlinearity and minimize optical loss, which makes such fibers optimal for constructing highly efficient Raman lasers and amplifiers, dispersion compensators and various non-linear devices.



## ARTICLE HNLF DS (s/n Ge137)

HNLF DS series is designed for applications requiring a shift of the zero dispersion wavelength to the 1550 nm spectral region: supercontinuum generation, parametric conversion and etc.



FIBER SPECIFICATIONS	HNLF	HNLF DS
Core diameter, $\mu\text{m}$	$3 \pm 1$	$4.5 \pm 1$
Cutoff wavelength, $\mu\text{m}$	$1 \pm 0.3$	$1.5 \pm 0.5$
Dispersion @ 1550nm, ps/nm/km	$< -50$	$\pm 4$
ZDW, nm	$> 2300$	$1480 \div 1565$
Clad diameter, $\mu\text{m}$	$125 \pm 1$	
Noncentricity, $\mu\text{m}$	$< 0.5$	
Core NA	$\sim 0.3$	
Optical loss (1550 nm), dB/km	$< 5$	
MFD @1550, mkm	$\sim 4$	

Other parameters including core NA  $> 0.6$  (pure  $\text{GeO}_2$  core) are available on the request