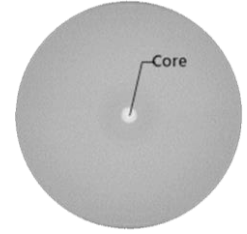


## High temperature resistant acrylate fiber

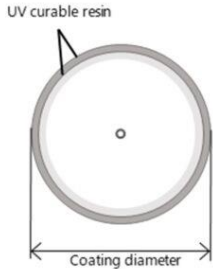
Fujikura single mode optical fiber with high temperature resistant acrylate coating protects the optical fiber up to 200 °C (short term). The fiber is applied to harsh environments like Oil & Gas industry, and the attenuation fluctuation is less than 0.01 dB/km at both 1310 nm and 1550 nm at 200 °C.

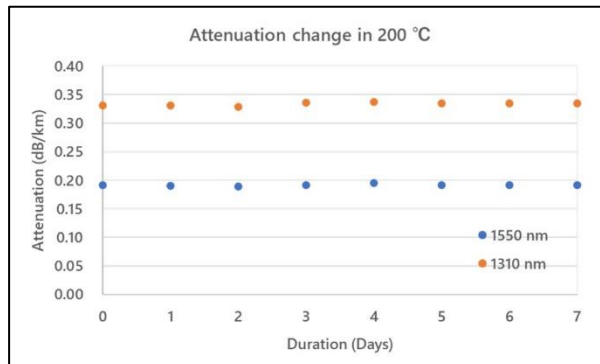


### Features

- Low attenuation fluctuation :  $\leq 0.01$  dB/km (200 °C, 7 days / 150 °C, 3 months)
- Tensile strength : 5.2 GPa(Typical) 150 °C, 3 months aged
- Dynamic fatigue value (nd) : 21(Typical) 150 °C, 3 months aged

### Specifications

	SR15-9/125-ACL
Wavelength band	1310 nm, 1550 nm
Mode field diameter ( $\mu\text{m}$ )	$8.6 \pm 0.7$ @ 1310 nm, $9.8 \pm 0.7$ @ 1550 nm
Concentricity error ( $\mu\text{m}$ )	$\leq 0.8$
Cladding diameter(Major diameter) ( $\mu\text{m}$ )	$125 \pm 2$
Cladding non-circularity (%)	$\leq 2$
Attenuation (dB/km)	$\leq 0.4$ @ 1310 nm, $\leq 0.3$ @ 1550 nm
Cutoff wavelength (nm)	$\leq 1290$
Proof test level (%)	$\geq 2$
Coating material	UV curable resin
Coating diameter ( $\mu\text{m}$ )	$245 \pm 10$
Cross-section image	



Contact us