

Optran® UV NSS

Silica / silica fiber with hermetic carbon layer

CeramOptec® is glad to offer a new product for UVC spectral range. Improved solarization resistance and extra stability of UV NSS fiber open wide variety of applications.

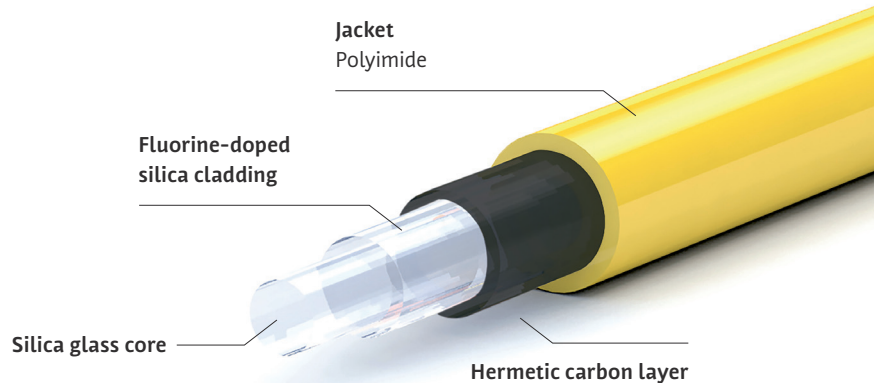
High solarization resistance

Wavelength

Optran® UV NSS	190–1200 nm
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Numerical aperture (NA)

Low	0,12 ± 0,02
Standard	0,22 ± 0,02
High	0,28 ± 0,02



Technical data

Wavelength / spectral range	Optran® UV NSS: 190–1200 nm
Numerical aperture (NA)	0,12 ± 0,02 0,22 ± 0,02 0,28 ± 0,02 or customised
Operating temperature	-190 to +150 °C
Core diameter	Available from 100 to 600 µm
Standard core / cladding ratios	1:1,06 1:1,1 1:1,2 1:1,4 or customised
OH content	High (> 700 ppm)
Standard proof test	70 kpsi (polyimide jacket)
Minimum bending radius	50 × cladding diameter (short-term mechanical stress) 300 × core diameter (during use with high laser power)
Attenuation values	in relation to wavelength: see p. 18

Applications

First choice for applications including spectroscopy, semiconductor technology, laser delivery systems and many more.