

# Optran® UV, Optran® WF

## Silica / silica fiber

Superior performance and fiber optic properties from UV to IR wavelengths: CeramOptec®'s Optran® UV / WF fibers are available in a range of core diameters and assemblies, tailored to your specific application needs.

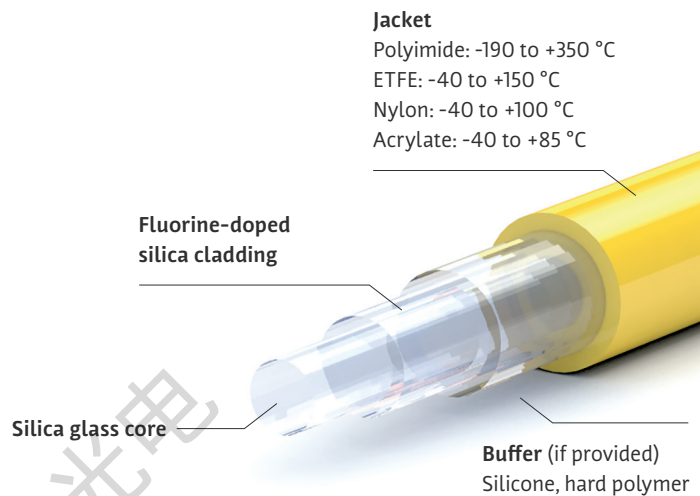
### Standard

#### Wavelength

Optran® UV	190–1200 nm
Optran® WF	300–2400 nm

#### 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: 190–1200 nm Optran® WF: 300–2400 nm
Numerical aperture (NA)	0,12 ± 0,02   0,22 ± 0,02   0,28 ± 0,02 or customised
Operating temperature	-190 bis +350 °C
Core diameter	Available from 25 to 2000 µm
<b>Standard core / cladding ratios</b>	<b>1:1,04   1:1,06   1:1,1   1:1,15   1:1,2   1:1,25   1:1,4</b> or customised
OH content	Optran® UV: high (> 700 ppm) Optran® WF: low (< 1 ppm) Fibers with OH contents < 0,25 ppm are available upon request
Standard proof test	100 kpsi (nylon, ETFE, acrylate jacket)   70 kpsi (polyimide jacket)
Minimum bending radius	50 × cladding diameter (short-term mechanical stress) 150 × core diameter (during use with high laser power)
Product code	See glossary, p. 27
Attenuation values	in relation to wavelength: see p. 18

### Applications

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

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