

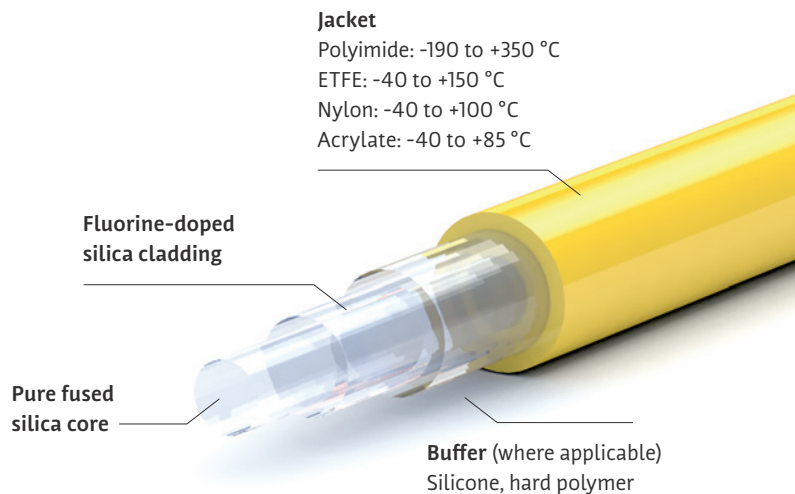
# Optran® Plus UV, Optran® Plus WF

## High NA pure silica / silica core fiber

CeramOptec®'s Optran® Plus is the highest NA pure fused silica core fiber available with NA's of 0,28 and 0,30. Ideal for a broad range of applications, from spectroscopy to sensing. CeramOptec®'s innovative Optran® Plus fibers exhibit exceptional spectral transmission from 190 to 2400 nm with high coupling efficiency. We offer a wide range of standard core sizes and cladding materials, as well as custom fibers to meet your specifications.

### Advantages

- High laser damage resistance
- Specialty coatings available for high temperatures, high vacuum and harsh chemicals
- Biocompatible materials
- RoHS compliant
- Step-index profile
- Pure fused silica core
- Sterilizable by ETO and other methods
- Manufactured at GMP and ISO 9001 compliant facility



### Technical data

Wavelength / spectral range	Optran® Plus UV: 190–1200 nm Optran® Plus WF: 400–2400 nm
Numerical aperture (NA)	0,28 ± 0,02   0,30 ± 0,02 or customised
Operating temperature	-190 to +350 °C
Core diameter	Available from 50 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
Standard proof test	100 kpsi (nylon, ETFE, acrylate jacket)   70 kpsi (polyimide jacket)
Minimum bending radius	50 × cladding diameter (momentary mechanical stress) 150 × core diameter (during usage with high laser power)

### Applications

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