

Optran® Ultra WFGE

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参锗芯/石英包层

Ge-doped silica/ silica fiber

CeramOptec® Optran® Ultra WFGE 光纤以其大数值孔径值、无与伦比的性能和宽光谱范围脱颖而出。有多种芯径可供选择，并可根据您的特定需求提供定制解决方案

The CeramOptec® Optran® WFGE fibers stand out through maximum numerical aperture values, unmatched performance and a broad spectral range. There is a large choice of core diameters and solutions tailored to your specific needs are available upon request.

High NA for demanding applications

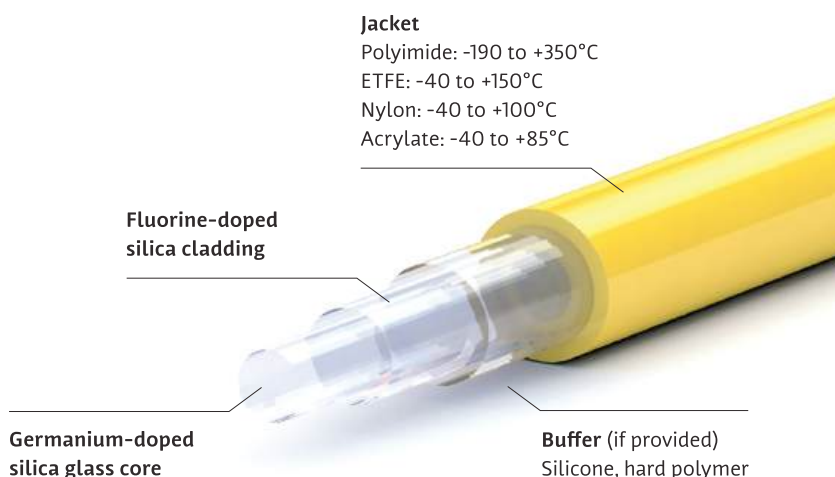
Wavelength

Optran® WFGE	400–2400 nm
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Numerical aperture (NA)

Standard	0.37 ± 0.02
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Higher NA on request



Technical data

Wavelength / spectral range	Optran® WFGE: 400–2400 nm
Numerical aperture (NA)	0.37 ± 0.02
Operating temperature	-190 to +350°C
Core diameter	Available from 50 to 1000 µm
Standard core / cladding ratios	1:1.04 1:1.06 1:1.1 1:1.15 1:1.2 1:1.25 1:1.4 or customized
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)
Attenuation values	in relation to wavelength: see p. 21

应用:

光谱学、激光技术、研究、光动力疗法等应用的首选

Applications

First choice for applications including spectroscopy, laser technology, research, photodynamic therapy and many more.