Optran® UVWFS broadband fiber

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宽光谱光纤

Silica/ silica fibers for applications from UV-C to IR-B

CeramOptec公司很荣幸能为200nm至2000nm波长范围提供一种新的极低损耗光纤。UVWFS光纤具有UV和WF光纤的特性，可用于多种用途。

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.

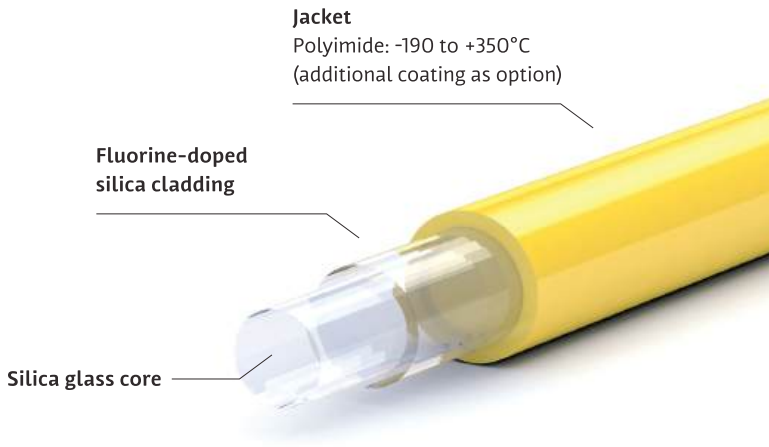
Broadband

Wavelength

Optran® UVWFS	200–2000 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® UVWFS: 200–2000 nm
Numerical aperture (NA)	0.12 ± 0.02 | 0.22 ± 0.02 | 0.28 ± 0.02 or customized
Operating temperature	-190 to +350°C
Core diameter	Available from 100 to 800 µm | standard 200 µm
OH content	Optran® UVWFS: ~ 5 ppm
Standard core / cladding ratios	**1:1.06 | 1:1.1 | 1:1.2 | 1:1.4** or customized
Standard prooftest	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. 22

应用：

CeramOptec® UVWFS 光纤是许多需要同时使用不同波长的应用的首选：光谱学、分析仪器、传感应用、天文学、航空航天和航空电子、军事应用等等。

Applications

CeramOptec® UVWFS optical fiber is the first choice for many applications where you work with different wavelengths simultanously: spectroscopy, analytical instruments, sensing applications, astronomy, aerospace and avionics, military applications and many more.