

Optran® UVNSS

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深紫外密闭碳层光纤

Silica/ silica fiber with hermetic carbon layer

CeramOptec公司荣幸能为UVC光谱范围提供新产品。极大提高了辐照抗性和光纤的额外稳定性(通过密封碳层)丰富了光纤更多领域的应用。

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.

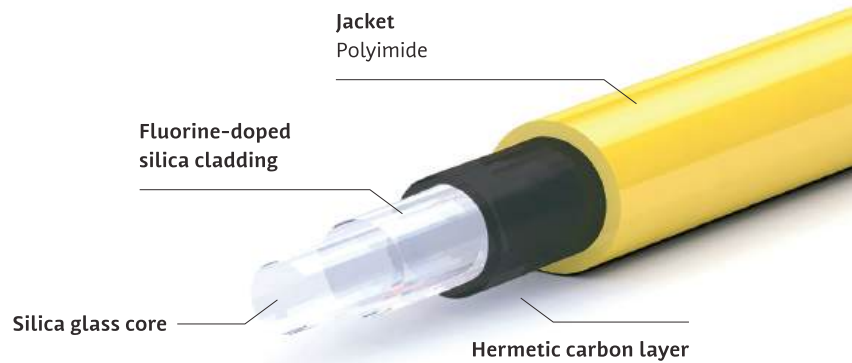
High solarization resistance

Wavelength

Optran® UVNSS	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® UVNSS: 190–1200 nm
Numerical aperture (NA)	0.12 ± 0.02 0.22 ± 0.02 0.28 ± 0.02 or customized
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 customized
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. 21

应用:

光谱学、半导体技术、激光传输系统等应用的首选

Applications

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