

Optran® HUV, Optran® HWF

Silica fiber with hard polymer cladding

CeramOptec® offers its Optran® HUV/HWF fibers as a cost-effective alternative to silica/silica fibers. They provide high numerical aperture values, minimal bend losses and efficient connectorisation for a wide range of applications.

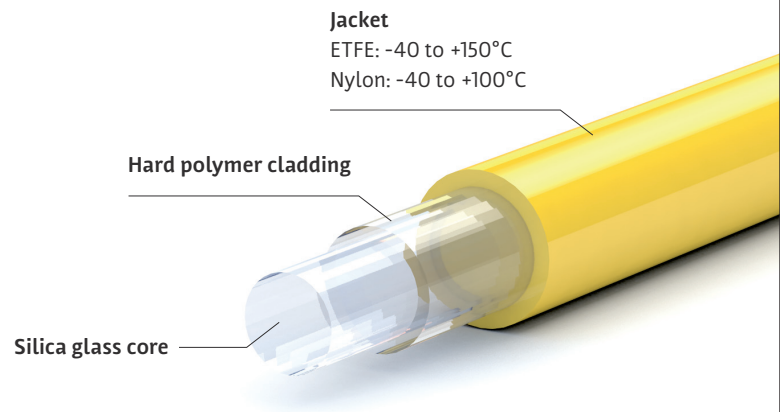
High NA at a low price

Wavelength

Optran® HUV/HWF 350–2200 nm

Numerical aperture (NA)

Standard	0.37 ± 0.02
High	0.48 ± 0.02
	0.52 ± 0.02
	0.57 ± 0.02



Technical data

Wavelength / spectral range	Optran® HUV and Optran® HWF: 350–2200 nm
Numerical aperture (NA)	0.37 ± 0.02 0.48 ± 0.02 0.52 ± 0.02 0.57 ± 0.02
Operating temperature	-40 to +150°C
Core diameter	Available from 100 to 2000 µm
OH content	Optran® HUV: high (> 700 ppm) Optran® HWF: low (< 1 ppm)
Standard proof test	100 kpsi
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

Applications

First choice for applications from illumination to photodynamic therapy and many more.