

# 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.

### Wavelength

Optran® HUV / HWF 350–2200 nm

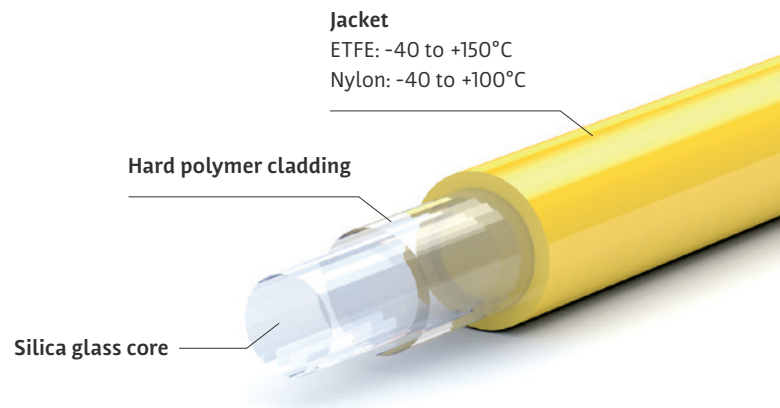
### Numerical aperture (NA)

Standard 0,37 ± 0,02

High 0,48 ± 0,02

### Advantages

- Cost-effective (compared to silica / silica fibers)
- High concentricity
- All dielectric, non-magnetic design
- Step-index profile
- Biocompatible material
- Sterilisable using ETO and other methods



### Technical data

Wavelength / spectral range	Optran® HUV and Optran® HWF: 350–2200 nm
Numerical aperture (NA)	0,37 ± 0,02   0,48 ± 0,02
Operating temperature	-40 to +150 °C
Core diameter	Available from 100 to 2000 µm
OH content	Optran® HUV: high (> 1000 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)

### Applications

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