

## FiberTech GmbH

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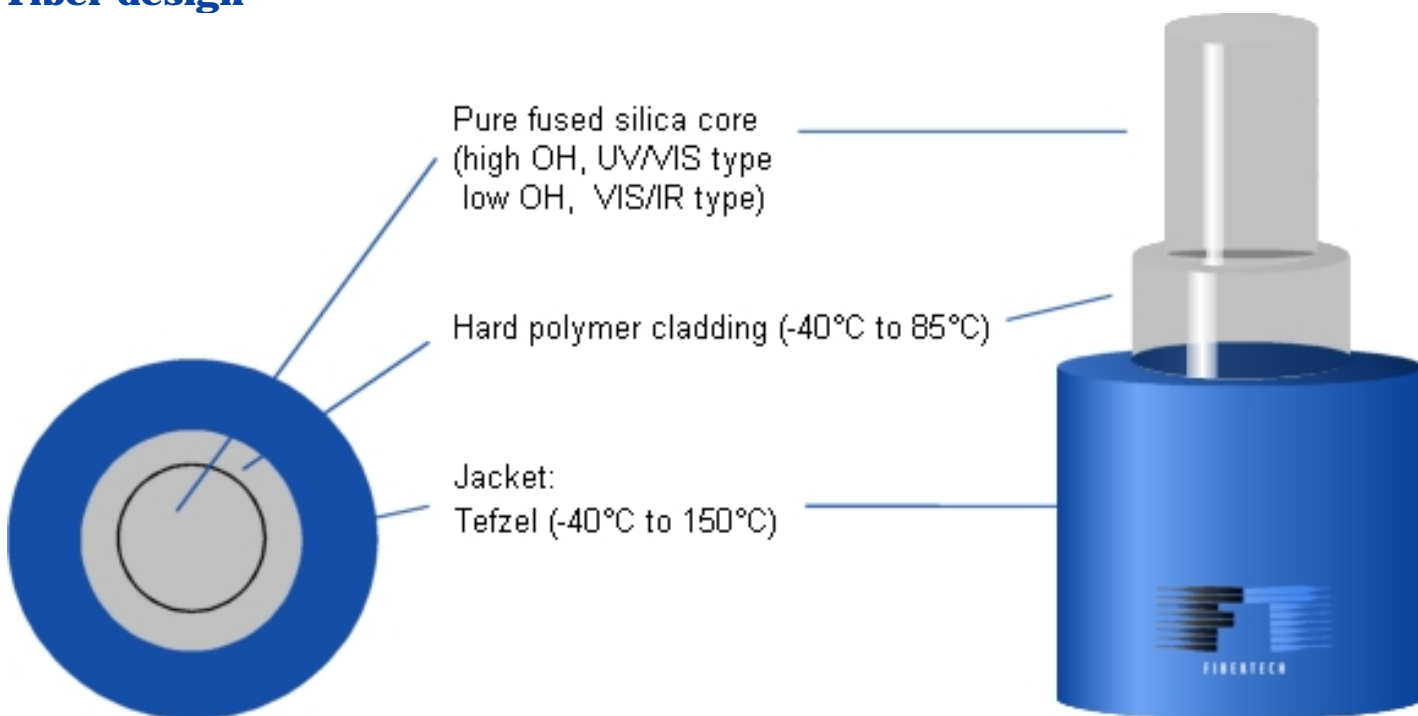


# Hard Plastic Clad Silica Fibers

## Features

- **Cost effective alternative to quartz/quartz fibers**
- **UV/VIS and VIS/IR type available**
- High fiber strength
- Reduced static fatigue
- High numerical aperture
- Biocompatible materials
- Sterilizable by ETO, gamma radiation
- Radiation resistant
- High core to clad ratio
- High concentricity

## Fiber design



## **Fiber properties**

- Step index profile
- Bonded hard polymer cladding
- Numerical aperture: 0.37 (2 meters)
- Proof test level: 70 kpsi
- Minimum bend radius:
  - 100 times the core radius (momentary)
  - 600 times the core radius (long term)

## **Options**

- Numerical aperture: 0.37
- Stainless steel or metal/silicone sheath
- Connectors (SMA, FC/PC, ST, DIN)

## **Applications**

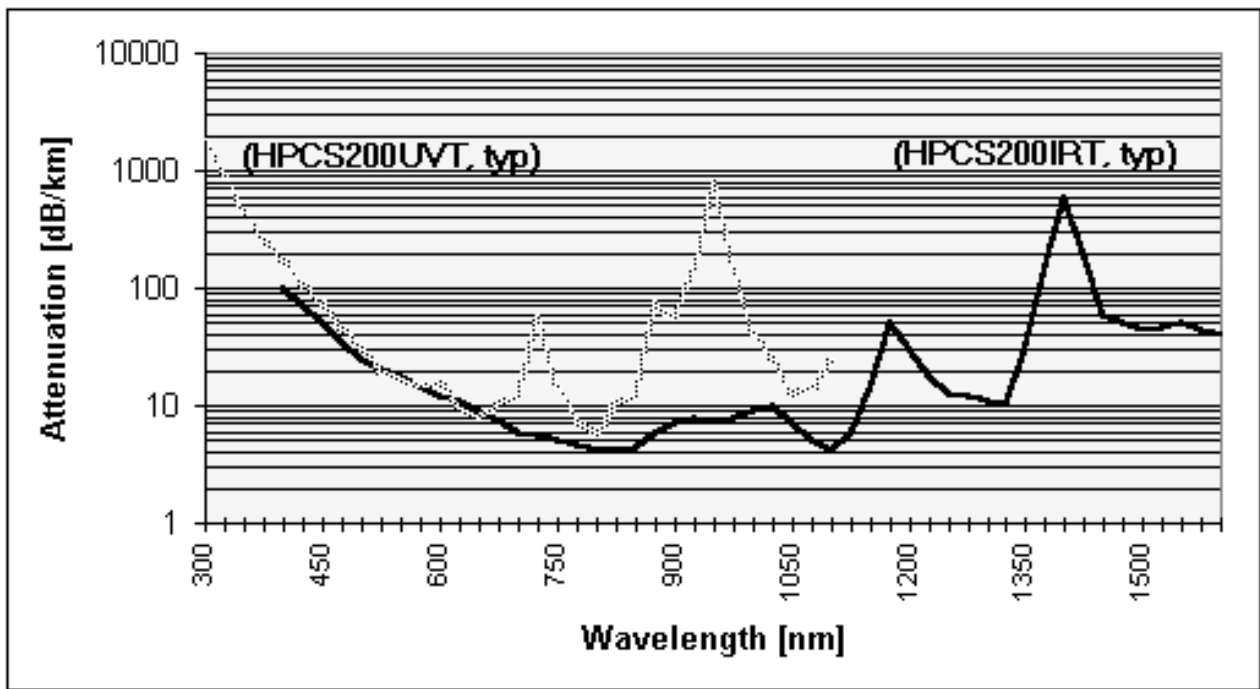
### **Medical**

- Laser surgery
- Angioplasty
- Lithotripsy
- Urology
- Dermatology
- Photodynamic therapy

### **Industrial/Scientific**

- Spectroscopy
- Remote illumination
- Sensors
- Thomson scattering

## **Spectral attenuation**



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