

# Ultraviolet Optimized Fibre (UVF)

YOFC UV fibres are designed for the light source wavelength between 200nm to 670nm. Pure Silica and high OH are used in fibre core in order to enhance good and stable transmission performance.

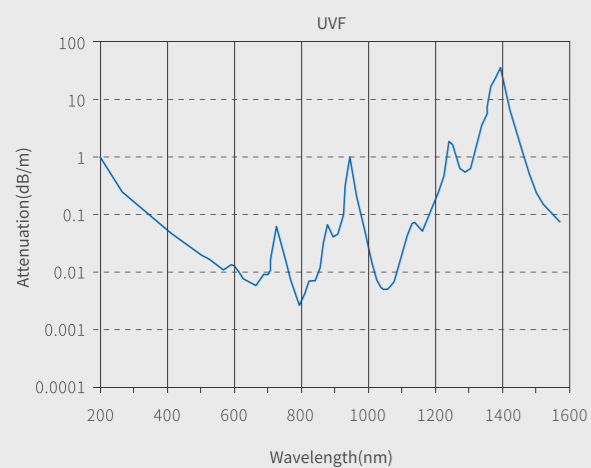
## Characteristics

- Step index profile
- Pure silica core structure
- Customized geometry , NA and coating materials
- High OH in core
- Low-loss for UV-band
- Stable attenuation of long working hours

## Application

- Laser transmission
- Medical diagnosis
- Scientific research
- Optical devices and connectors
- Sensors
- Analytical instruments
- UV curing

UV fibre attenuation spectrum



## Specifications-1

Fibre Type	UV 25/125-12/250	UV 34/125-12/250	UV 40/80-22/165	UV 40/125-22/250
Part No.	UV2011-A	UV2012-A	UV2013-B	UV2014-B
N.A	0.12	0.12	0.22	0.22
Core Diameter(μm)	25±5	34±5	40±3	40±3
Cladding Diameter(μm)	124.7±1.0	124.7±1.0	80.0±2.0	124.7±1.0
Coating Diameter(μm)	242±5	242±5	165±5	242±5
Core/Cladding Concentricity Error(μm)	≤0.6	≤0.6	≤0.6	≤0.6
Proof Test Level(kpsi)	100	100	50	100
Length(km)	≤3	≤3	≤3	≤3

## Specifications-2

Fibre Type	UV50/125-22/250	UV 60/125-12/250	UV 60/125-22/250	UV 105/125-22/250	UV 200/220-22/500
Part No.	UV2015-A	UV2016-A	UV2016-B	UV2017-A	UV2022-A
N.A	0.22	0.12	0.22	0.22	0.22
Core Diameter(μm)	50±2.5	60±2.5	60±2.5	105±3	200±3
Cladding Diameter(μm)	124.7±1.0	124.7±1.0	124.7±1.0	124.7±1.0	220±5
Coating Diameter(μm)	242±5	242±5	242±5	242±5	500±25
Core/Cladding Concentricity Error(μm)	≤0.6	≤0.6	≤0.6	≤0.6	≤1.0
Proof Test Level(kpsi)	100	100	100	100	50
Length(km)	≤3	≤3	≤3	≤3	≤1

[www.yofc.com](http://www.yofc.com)



This datasheet can only be a reference, but not a supplement to the contract. Please contact our sales people for more detailed information