



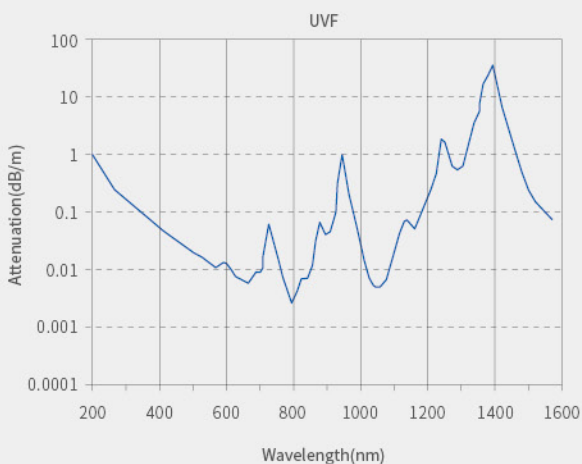
Ultraviolet Optimized Fibre (UVF)

YOFC UV fibres are designed for the light source wavelength between 200nm to 670nm. The fibre adopts high OH content and pure silica structure to ensure the excellent properties of fibre attenuation and optical damage resistance. UV fibres with different geometric sizes and NAs are customized according to different customer application requirements.

Characteristics

- Step index profile
- Pure silica core structure
- Customized geometry, NA
- High OH in core
- Low-loss for UV-band
- Suitable for medium and low power (below watt level) energy delivery

UV fibre attenuation spectrum



Applications

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



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
NA	0.12	0.12	0.22	0.22
Core Diameter (μm)	25.0 ± 5.0	34.0 ± 5.0	40.0 ± 3.0	40.0 ± 3.0
Cladding Diameter (μm)	124.7 ± 1.0	124.7 ± 1.0	80.0 ± 2.0	124.7 ± 1.0
Coating Diameter (μm)	242.0 ± 5.0	242.0 ± 5.0	165.0 ± 5.0	242.0 ± 5.0
Core/Cladding Concentricity (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	UV 50/125-22/250	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
NA	0.22	0.12	0.22	0.22	0.22
Core Diameter (μm)	50.0 ± 2.5	60.0 ± 2.5	60.0 ± 2.5	105.0 ± 3.0	200.0 ± 3.0
Cladding Diameter (μm)	124.7 ± 1.0	124.7 ± 1.0	124.7 ± 1.0	124.7 ± 1.0	220.0 ± 5.0
Coating Diameter (μm)	242.0 ± 5.0	242.0 ± 5.0	242.0 ± 5.0	242.0 ± 5.0	500.0 ± 25.0
Core/Cladding Concentricity (μm)	≤ 0.6	≤ 0.6	≤ 0.6	≤ 0.6	≤ 1.0
Proof Test Level (kpsi)	100	100	100	100	50
Length (km)	≤ 5	≤ 3	≤ 5	≤ 5	≤ 1

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.