

Волокна видимого диапазона серии UV-VIS

Технические характеристики

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Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

Беларусь +375-257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: otp@nt-rt.ru || сайт: <https://optosky.nt-rt.ru/>

UV-Visible Fibers

UV-VIS



Description:

Our lab-grade and premium-grade UV-Visible optical fibers assemblies are durable, high-quality patch cords that deliver uniform results with minimal signal variance. Patch cords act as both illumination and read fibers and connect easily to Optosky spectrometers, light sources and sampling accessories.

UV-Visible patch cords are high OH fibers that transmit efficiently from 200-1100 nm and Visible-NIR (400-2500 nm) options are also available.

Feature:

- UV-Visible transmission -- high OH fibers transmit well from 200-1100 nm
- Jacketing options -- stainless steel BX or silicone-coated steel monocoil with a Nomex braid
- Variety -- assemblies available in different core diameters and lengths; custom options also available
- Convenient handling -- precision SMA 905 connectors with extra-long knurled ferrules for easy manipulation
- Robust -- great for lab, field and industrial use

Application:

- Laser transmission;
- Spectral detection;
- UV lithography;
- Medical sensing;
- Bioassay;
- UV Raman Spectroscopy;
- UV illuminance monitoring;
- High temperature measurement;
- Photodynamic therapy;
- Medical diagnosis and other fields.

Optical Parameters	
Wavelength Range:	200nm - 1.1 μ m
Fiber Core Size:	200 $\pm$ 3 μ m , 400 $\pm$ 5 μ m ,600 $\pm$ 5 μ m , customizable
Numerical aperture	0.22 $\pm$ 0.02
Length:	1m,2m.....10m,customizable
Jacket:	general fiber
Buffer Materials:	Polyimide
Cladding OD:	220 $\pm$ 3 μ m , 440 $\pm$ 5 μ m ,660 $\pm$ 5 μ m , customizable
Connector:	SMA905
Long Term Bend Radius:	24cm
Coating OD	245 $\pm$ 10 μ m , 700 $\pm$ 20 μ m ,960 $\pm$ 20 μ m , customizable
Short Term Bend Radius:	12cm
Electrical Parameters	
Operating Temperature:	-65 to 300 °C

Stainless Steel UV-Visible Fibers

UV-VIS-S



Description:

Our lab-grade and premium-grade UV-Visible optical fiber assemblies are durable, high-quality patch cords that deliver uniform results with minimal signal variance. Patch cords act as both illumination and read fibers and connect easily to Optosky spectrometers, light sources and sampling accessories.

UV-Visible patch cords are high OH fibers that transmit efficiently from 200-1100 nm and Visible-NIR (400-2500 nm) options are also available. Can customize connectors for FC/SMA905.

Feature:

- UV-Visible transmission -- high OH fibers transmit well from 200-1100 nm
- Jacketing options -- stainless steel can be more protective under strong laser and will not burn through Fibers
- Variety -- assemblies available in different core diameters and lengths; custom options also available
- Convenient handling -- precision SMA 905 connectors with extra-long knurled ferrules for easy manipulation
- Robust -- great for lab, field and industrial use

Application:

- Laser transmission;
- Spectral detection;
- UV lithography;
- Medical sensing;
- Bioassay;
- UV Raman Spectroscopy;
- UV illuminance monitoring;
- High temperature measurement;
- Photodynamic therapy;
- Medical diagnosis and other fields.

Optical Parameters	
Wavelength Range:	200nm - 1.1μm
Fiber Core Size:	200±3μm , 400±5μm ,600±5μm , customizable
Length:	1m,2m.....10m,customizable
Jacket:	Stainless steel BX
Buffer Materials:	Polyimide
Cladding OD:	220±3μm , 440±5μm ,660±5μm , customizable
Connector:	SMA905
Long Term Bend Radius:	24cm
Coating OD	245±10μm , 700±20μm ,960±20μm , customizable
Short Term Bend Radius:	12cm
Electrical Parameters	
Operating Temperature:	-65 to 300 °C

UV-Visible Bifurcated Fibers

UV-VIS2



Description:

Bifurcated optical fiber assemblies have two fibers in the common end and break out into two legs at the other end. The fiber type (i.e., its most efficient transmission range) used in each leg can be the same or different, depending on your application needs.

UV-Visible bifurcated fibers are high OH fibers that transmit efficiently from 200-1100 nm. Bifurcated fibers are good for routing equal amounts of light from a single source to two different locations, or from a single sample to two spectrometers configured for different wavelength ranges.

Feature:

- Versatile fiber assembly -- Y-shaped assembly comprising two fibers of the same diameter side-by-side in the common end
- Transmission efficiency -- options for UV-Visible and Visible-NIR.
- Jacketing options -- silicone-coated steel monocoil with a Nomex braid.
- Convenient handling -- precision SMA 905 connectors with knurled ferrules for easy manipulation
- Robust -- great for field and industrial use, or other rough handling environment

Application:

- Laser transmission;
- Spectral detection;
- UV lithography;
- Medical sensing;
- Bioassay;
- UV Raman Spectroscopy;
- UV illuminance monitoring;
- High temperature measurement;
- Photodynamic therapy;
- Medical diagnosis and other fields.

Optical Parameters	
Wavelength Range:	200nm - 1.1 μ m
Fiber Core Size:	200 $\pm$ 3 μ m , 400 $\pm$ 5 μ m , 600 $\pm$ 5 μ m , customizable
Length:	1m,2m.....10m,customizable
Jacket:	General fiber
Buffer Materials:	Polyimide
Cladding OD:	220 $\pm$ 3 μ m , 440 $\pm$ 5 μ m , 660 $\pm$ 5 μ m , customizable
Connector:	SMA905
Long Term Bend Radius:	24cm
Coating OD	245 $\pm$ 10 μ m , 700 $\pm$ 20 μ m , 960 $\pm$ 20 μ m , customizable
Short Term Bend Radius:	12cm
Electrical Parameters	
Operating Temperature:	-65 to 300 °C

Stainless steel UV-Visible Bifurcated Fibers



UV-VIS2-S

Bifurcated optical fiber assemblies have two fibers in the common end and break out into two legs at the other end. The fiber type (i.e., its most efficient transmission range) used in each leg can be the same or different, depending on your application needs.

UV-Visible bifurcated fibers are high OH fibers that transmit efficiently from 200-1100 nm. Bifurcated fibers are good for routing equal amounts of light from a single source to two different locations, or from a single sample to two spectrometers configured for different wavelength ranges.

Feature:

- Versatile fiber assembly -- Y-shaped assembly comprising two fibers of the same diameter side-by-side in the common end
- Transmission efficiency -- options for UV-Visible and Visible-NIR.
- Jacketing options -- stainless steel BX
- Convenient handling -- precision SMA 905 connectors with knurled ferrules for easy manipulation
- Robust -- great for field and industrial use, or other rough handling environment

Application:

- Laser transmission;
- Spectral detection;
- UV lithography;
- Medical sensing;
- Bioassay;
- UV Raman Spectroscopy;
- UV illuminance monitoring;
- High temperature measurement;
- Photodynamic therapy;
- Medical diagnosis and other fields.

Optical Parameters	
Wavelength Range:	200nm - 1.1 μ m
Fiber Core Size:	200 $\pm$ 3 μ m , 400 $\pm$ 5 μ m ,600 $\pm$ 5 μ m , customizable
Length:	1m,2m.....10m,customizable
Jacket:	Stainless steel BX
Buffer Materials:	Polyimide
Cladding OD:	220 $\pm$ 3 μ m , 440 $\pm$ 5 μ m ,660 $\pm$ 5 μ m , customizable
Connector:	SMA905
Long Term Bend Radius:	24cm
Coating OD	245 $\pm$ 10 μ m , 700 $\pm$ 20 μ m ,960 $\pm$ 20 μ m , customizable
Short Term Bend Radius:	12cm
Electrical Parameters	
Operating Temperature:	-65 to 300 °C



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Казахстан +7(727)345-47-04

Беларусь +375-257-127-884

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