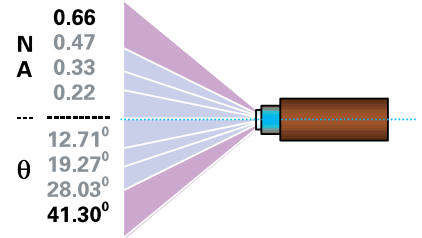


FSU: High -OH
FLU: Low -OH
Ultra High NA

Polymicro
SILICA/TEFLON®
AF CLAD Optical
Fiber FSU | FLU

This fiber configuration was designed for users who need a pure synthetic fused silica core fiber combined with an ultra high numerical aperture (NA). This Polymicro manufactured fiber can be supplied with various buffers and/or jackets. Core sizes range from 125µm to over 760µm. This fiber has the best combination of ultra high NA, high strength and wide band spectral transmission. The high spectral fidelity in the visible (no yellowing of source color) makes it the perfect replacement for borosilicate fibers where “white” light is needed.



CHARACTERISTICS

Step index

FLU: Low -OH silica core, Teflon®
 AF clad to 100kpsi

Sterilizable*

Numerical aperture: 0.66
 full acceptance cone: 82.6
 degrees

Silicone or acrylate buffer
 recommended

Proof tested at 100kpsi

UV-Vis-NIR transmission

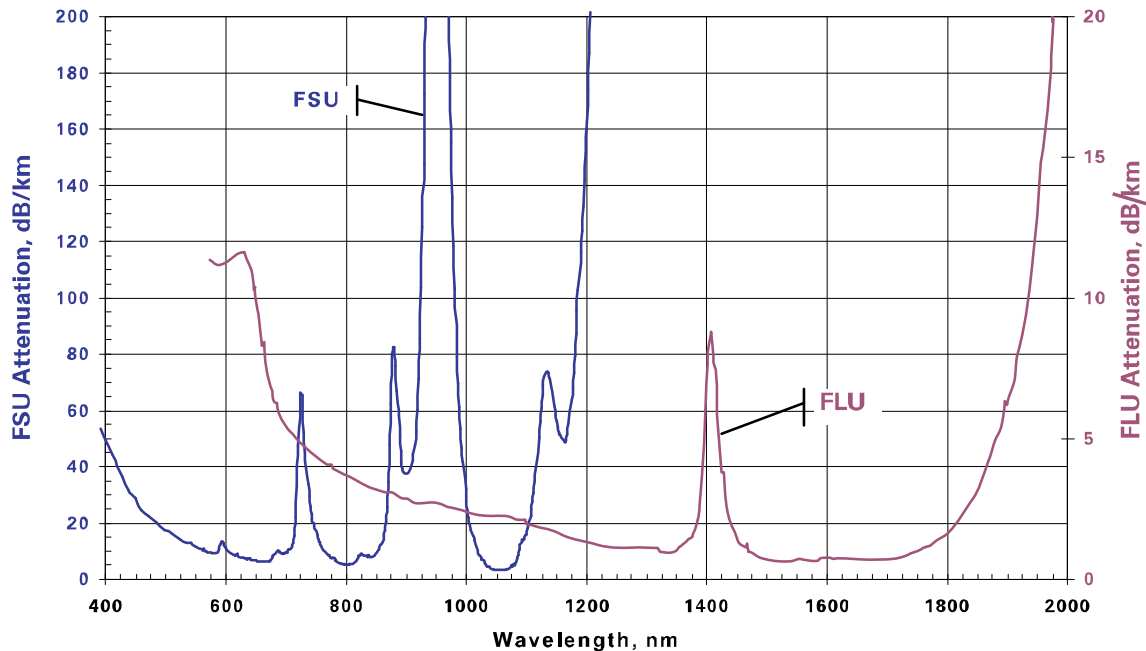
Optional FEP/ETFE jacketing available

Custom sizes and assemblies

FSU: High -OH silica core, Teflon®
 AF clad

Operating temperature:
 -10° to +160°C

Typical Attenuation



* The end manufacturer is responsible for bio-compatibility and sterilization testing and validation studies.



IMPORTANT

FSU/FLU LICENSE TERMS

Molex has a non-exclusive license for U.S. Patents 4,530,569 and 5,076,659 of the DuPont Company. Product is sold for use in the following applications:

1. Delivery of light for inducing chemical changes in materials
2. Illumination for entertainment and architectural lighting
3. Delivery of light for use in projection television
4. Sensors for industrial and medical detection and monitoring equipment

A license must be obtained from the DuPont Company for product use in any medical detection and monitoring equipment intended to be inserted, either temporarily or permanently, into human or animal body. Small quantities can be sold for product development. Specifically excluded from the non-exclusive license is the manufacture, sale, and distribution of this fiber optic for use in the areas listed below. Use of the fiber optic for use in these applications is an infringement of an exclusive license with the DuPont Company.

1. Medical illumination
2. Industrial illumination of boroscopes and fiberscopes
3. Cutting, coagulation, and welding of biological tissue with non-laser light
4. Activation of drugs and other medical substances with non-laser light
5. Medical diagnostics involving excitation and detection of drugs and chemical substances with non-laser light.

The product is excluded from export to the following countries: Albania, Bulgaria, Cambodia, Cuba, the Czech Republic, Slovakia, Estonia, Hungary, Iran, Iraq, Laos, Latvia, Libya, Lithuania, Mongolian Peoples Republic, North Korea, The People's Republic of China, Poland, Romania, the former Republics of the Union of Soviet Socialist Republics, and Vietnam, unless and until the Export Administration Regulation of the U.S. Department of Commerce explicitly permit the reexport of the Office of Export Licensing of the U.S. Department of Commerce first grants authorization in writing to permit the re-exports.

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