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Press Release

Made in Germany

Fiber Assemblies for UV Wavelengths

Transmitting UV wavelengths with optical fibers is challenging. LASER COMPONENTS now presents a perfect solution: In addition to the UV fibers from Polymicro we also offer assembled patchcords for immediate application.

UV fiber assemblies are required for many applications, for example in fluorescence spectroscopy, UV laser power transmission, medical technology, or UV illumination tasks. Depending on the application and the wavelength different types of fibers are available.

At very short wavelengths, the use of solarization-resistant fibers with low UV damage is recommended. In the wavelength range from 190 nm to 240 nm in particular, damage to conventional optical fibers leads to losses in transmission and even blinding of the fiber (solarization). Many applications require a broadband fiber. Polymicro's FBPI fiber is particularly suitable: it features a high solarization resistance and has excellent transmission properties across a wide wavelength range from 200 nm to 2100 nm.

The buffer material for the UV fibers is mostly polyimide, which is able to withstand temperatures of up to 300°C. Other buffer materials such as acrylate or Tefzel are available upon request.

FC, ST, SMA, high-power SMA, and other connectors can be assembled with the UV fibers. For the cladding PVC, PTFE and metal can be chosen - of course other claddings are also available.

More Information

http://www.lasercomponents.com/lc/fiber-optics/assembled-fibers/

Trade Shows

PHOTONEX London 2013, April, 9, 2013, University College London, UK, **Booth S17**
Optics + Optoelectronics 2013, April, 16-17, 2013, Clarion Congress Hotel, Prague, CZ
Defense, Security + Sensing, 29.04. - 03.05.2013, Baltimore Convention Center, USA, **Booth 1237**
LASER. World of Photonics, 13.-16.05.2013, Neue Messe München, Germany, **Booth B1.442**
Sensor + Test, May, 14.-16., 2013, Messe Nürnberg, Nürnberg, Germany, **Booth 12-609**
Security + Defence, Sept., 24 - 25, 2013, Internat. Congress Center Dresden, Germany

The Company

LASER COMPONENTS is specialized in the development, manufacture, and sale of components and services for the laser and opto-electronics industries. With sales offices in four different countries, the company has served its customers since 1982. In-house production at six locations in Germany, Canada, and the USA began in 1986 and is meanwhile responsible for about half of its turnover. Currently, the family-run business employs more than 140 people worldwide.

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