

Expansion of Fiber Optics Production

Production of Polarization-Maintaining Patch Cables

LASER COMPONENTS' fiber-optic production technologies were expanded in close cooperation with in-house development engineers.

This is how polarization-maintaining (PM) patch cords are produced: from ordinary telecom wavelengths to smaller wavelengths of approximately 450 nm. Both passive and active fiber alignment is possible for PM fibers.

In addition, 125 µm endcaps can be integrated in FC and FC/APC connectors. The beam-expanding endcaps result in a decrease in power density at the connector end faces.

The length of the endcaps can be determined by the customer. Pure endcaps (i.e., without connectors) are also available. Ideal application possibilities include laser and medical applications.

Further technologies continue to be developed for fiber-optic cables in order to offer the best solutions for industrial, medical, and fiber-sensor applications. One of the major strengths is the development of custom solutions. LASER COMPONENTS has a large portfolio of technological possibilities at its disposal.

More Information

<http://www.lasercomponents.com/de-en/news/production-of-polarization-maintaining-patch-cables/>

The Company

LASER COMPONENTS specializes in the development, manufacture, and sale of components and services in the laser and optoelectronics industry. At LASER COMPONENTS, we have been serving customers since 1982 with sales branches in five different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the United States. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 170 employees worldwide.