

## Press Release

### New Standards for High Power Applications

### Fiber Optic Cables with Coated End Faces

LASER COMPONENTS has introduced coatings, designed for use on optical fiber end faces. With these coatings back reflections are reduced by nearly 3% at the interface between glass and air. The F&E division has continued to make developments in this area, which has resulted in new standard designs.

The cables are available with a robust and, yet, flexible metal jacket as a protective covering around the optical fiber. A corrugated tube made of stainless steel and, thus, the best metal jacket available is used. To ensure that the connection between two optical fiber plugs connected by a metal jacket is potential free, vacuum-suitable isolators are mounted on both ends between the plug and the metal jacket.

If less robust protective jackets are required, LASER COMPONENTS offers AR-coated fibers which are also available with protective jackets made of Teflon.

Naturally, these fibers will also be available as so-called "bare fibers" (i.e., without a protective jacket).

The cables are available with SMA connectors or a D-80 plug. Both connectors have a free-standing fiber; the fiber bore hole of said connectors can be adjusted for use with different types of fibers. For very high power, plugs with copper ferrules are recommend.

### More Information

<http://www.lasercomponents.com/de-en/product/ar-coatings-1/>

### Trade Shows

**PHOTONEX 2011**, October 18-19, 2011, Ricoh Arena, Coventry, UK, **Booth C20**  
**Vision 2011**, November 08-10, 2011, New Trade Fair Center Stuttgart, D, **Booth 4D13**  
**BiOS 2012**, January 21-22, 2012, The Moscone Center, San Francisco, **South Hall – Booth 8517**  
**Photonics West 2012**, Jan. 24-26, 2012, Moscone Center, San Francisco **South Hall – Booth 517**  
**Analytica 2012**, April, 17-20, 2012, Munich International Trade Fairs, **Booth A2.400A**

### 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 130 people worldwide.