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Press Release

For Best Transmission Efficiency

AR Coatings for Optical Fibers Boost the Efficieny About 6%

Official measurements have confirmed it: LASER COMPONENTS' optical fibers with coated end surfaces yield a 6% higher transmission efficiency – and the coating is inexpensive!

For almost 30 years now the company has manufactured laser optics with hard dielectric coatings. The technical know-how has been transferred in the past few years to the coating of optical fiber end surfaces and been made available for entry into the market.

After assembly, the fibers are coated using physical vapor deposition, PVD, to achieve high damage thresholds. Due to this fast coating method and flexible capacities, these coatings are surprisingly inexpensive.

Anti-reflection (AR) coatings are available for one, two, or three wavelengths. The so-called single AR coating is used for one wavelength (e.g. 808 nm), the dual AR coating for two wavelengths (e.g. 808 nm + 980 nm), and the broadband AR is a coating for a wide wavelength range (e.g. 460 nm - 700 nm).

More Information

http://www.lasercomponents.com/de-en/fiber-optics/assembled-fibers/coated-cables/

Trade Shows

Security + Defence, Sept., 24 - 25, 2013, Internat. Congress Center Dresden, Germany, **Booth 304**
enova - OPTO, Oct., 08.-10., 2013, Paris Porte de Versailles, France, **Booth L9**
PHOTONEX 2013, Oct., 16.-17., 2013, Ricoh Arena, Coventry, UK, **Booth D20**
BiOS EXPO 2014, Feb., 01.-02., 2014, The Moscone Center, San Francisco, USA, **Booth 8517**
Photonics West 2014, Feb., 04.-06., 2014, The Moscone Center, San Francisco, USA, **Booth 517**

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 150 people worldwide.

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