New line of Plastic Optical (POF) Fiber and Cables from LEONI Fiber Optics

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Selection of protective buffers, outer jackets and colors, fiber optic core sizes, numerical apertures and end terminations to fit application and customers’ needs

Williamsburg, VA (April 14, 2011) – Allowing the use of plastic optical fiber cost-effectively in a wide variety of applications, LEONI Fiber Optics introduces its new standard line of plastic optic fiber cables. The LEONI POF has proven effective in a number of medical, scientific and industrial applications ranging from illumination in a 25 gauge probe for vitreo-retinal surgery, to factory automation and industrial control (Profinet, Profinet, Industrial Ethernet, SERCOS) and control systems for wind and solar power systems.

Polymer optical fibers (POF) have been on the market for many years. Both the fiber core and the cladding are made of polymer. Key advantages of polymer optical fibers are high flexibility (high alternate bending resistance with smaller bending radii) as well as more economical connecting and transmission technology than in the case of glass.

Moreover, this type of fiber also has all the major benefits of a fiber optical cable connection:

- EMC security,
- clear galvanic separation,
- no crosstalk,
- low weight.

POF can by now be used to bridge distances up to 70 meters, which is normally sufficient for industrial environments and smaller office as well as home networks. It is even possible to cover distances up to 150 meters by selecting suitable active components.
POF cables are available for indoors and outdoors. A wide range of constructions are available depending on the requirement.

- Special requirements in terms of flexibility
- resistance to oil,
- resistance to UV,
- freedom from halogen or
- flame retardant

are met by selecting suitable components.

**About LEONI Fiber Optics Inc**

The Fiber Optics Business Unit of the LEONI Group is a prime supplier of optical fibers for special industrial applications, sensor technology and optical analysis, scientific purposes, the telecommunication sector and laser medicine.

LEONI Fiber Optics is one of a limited number of companies who offers a unique product portfolio from preforms and drawn fibers, to standard and custom optical fiber based assemblies, to fiber optic cables and entire optical fiber systems fitted with in-house design components. We deliver fiber optic products not only for general applications but also where systematic problem solutions are needed.

Employing more than 450 and operating from multiple sites world-wide, including several manufacturing sites in Germany, the USA, China and Canada, with our primary manufacturing site for the NAFTA Region located in Williamsburg, VA, stands ready to respond with the full spectrum of LEONI Fiber Optics products and capabilities to solve even the most difficult photonic problems.

We are your strategic partner for all your fiber optic solutions.

**Company Contact**

Konrad Lisi  
LEONI Fiber Optics, Inc.  
P. O. Box 615  
Lightfoot, VA 23090  
Tel: +1.480.650.4547  
Fax: +1.732.657.6763  
Email: klisi@leonifo.com