



sachsenkabel



**SPECIALTY
OPTICAL FIBERS**
ASSEMBLY. PRECISION. QUALITY.

Your Advantages at a Glance

- More than 29 years of experience in fiber optic manufacturing
 - A large number of specialized staff for high-volume series
 - Fiber optic competence from development to purchasing to production and quality management
- Customized Solutions
 - Specify your requirements and we will find the perfect solution
 - Development of models and prototypes based on your drawing and application
 - Comprehensive information exchange from the first prototype to serial production
 - Short and fast communication paths and short feedback times
 - Processing of your supplied components
- Small-Batch as well as High Volume Production
 - Unique single products
 - High volume production capacity available
- Large Supplier Network
 - Easy sourcing of specialty components and fibers according to your requirements
 - Only excellent high-quality materials with minimal tolerance
 - High delivery dependability due to long term supplier relationships

Your Supplier for Assembled Specialty Fibers

Industry, spectroscopy, sensor technology, laser equipment, medical and life sciences - requirements and applications for fiber optics are very much in demand and rise steadily. We can supply you with specialty single- and multimode fiber assemblies as well as bare fibers.

You have a new or an existing application and you are searching for the suitable fiber optic solution?

Together with you, we will develop product solutions suitable for your requirements - customized and based on more than 29 years of fiber optic experience.

From the beginning of the first request we will work together on a prototype and develop the product ready for serial production. After the customer's product approval, we will be a reliable partner and supplier of small and large volume production at the highest quality standards.



Request & Support



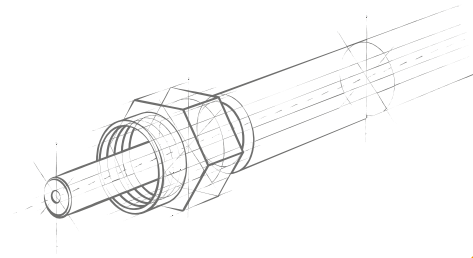
Prototyping



Series Production

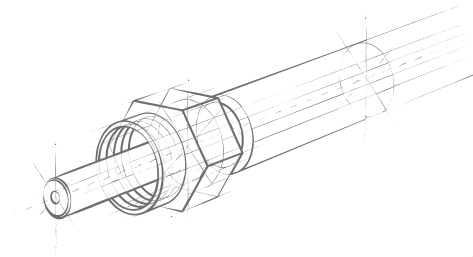
Our Product Portfolio

Singlemode Fiber Assemblies



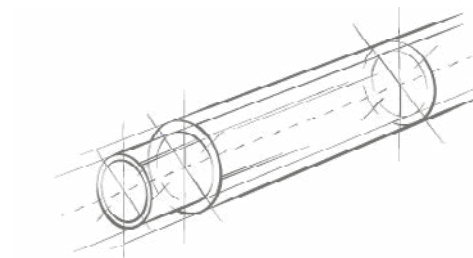
- ✦ **Properties:**
 - Suitable for UV to near-infrared range
 - Fiber protected by protective sleeve depending on application and requirement
- 🔄 **Advantages:**
 - Minimum tolerance for optimized product performance
- ⬆️ **Options:**
 - Customer-specific connector configuration, length, fiber type, fiber protection
 - Fiber assemblies suitable for use in vacuum on request

Multimode Fiber Assemblies



- ✦ **Properties:**
 - Core diameter from 50 μm to 1500 μm (LowOH / HighOH)
 - Wide range of different fiber coatings, optimized for your application
- 🔄 **Advantages:**
 - Produced to your requirements, from fiber doping to packaging and design
- ⬆️ **Options:**
 - Standard connectors with precision hole → customer-specific connector and ferrule design

Bare Fibers



- ✦ **Properties:**
 - Fiber ends polished or cleaved
 - Fiber type according to customer specification
- 🔄 **Advantages:**
 - Available as high volume one-way product
 - Single-item production to your specifications
- ⬆️ **Options:**
 - Fiber ends stripped (mechanically, thermally or chemically) or unstripped



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LWL-Sachsenkabel GmbH

Your Specialist for Fiber Optic Cabling

Hauptstraße 110
D-09390 Gornsdorf

Phone: +49 (0) 37 21 / 39 88-0

E-Mail: info@sachsenkabel.de

sachsenkabel.de/en
pulse.sachsenkabel.de/en