



Member of LEONI Group

j-fiber is one of the worldwide leading suppliers of high-performance optical fibers and preform designs addressing advanced tele-communications and specialty industry markets.

We invest in longterm customer partnerships, state-of-the-art fiber technology development, and continuous process technology enhancement.

Our commitment to providing best fiber performance, cost-efficiency and reliability makes our clients gain maximum benefits from sourcing j-fiber products.

Learn more about j-fiber and how we can serve you as your preferred fiber source – visit us at:

**OFC / NFOEC 2011
Booth No. 2606
8th-10th March 2011**

**or at www.j-fiber.com
with new look and content**

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j-fiber News at OFC/NFOEC 2011

j-fiber solutions for high-end photonic device making and advanced DC/LAN cabling

SQ synthetic fused silica for fiber optics is our new offering to fiber manufacturers. *Learn more about how to benefit in your specialty fiber manufacturing*

j-Ultrasol Fluorine doped solarization resistant Multimode fiber with highest transmission stability values under UV exposure for <400 nm wavelength applications *Learn more how j-Ultrasol's high stability and life time can make your spectroscopy and medical devices perform better and more cost-efficient.*

j-NCS non-circular shape fibers with custom configuration of core and/or clad cross section shapes. *Learn more about the shape design options and how your specific application performance will benefit*

j-FiberUnits 40/100 The solution for up to 100 Gb/s Ethernet high data-rate parallel transmission performance. *Learn more about j-FiberUnits 40/100 with high-performance OM3/OM4 fibers, lowest skew and link-length beyond IEEE demands*

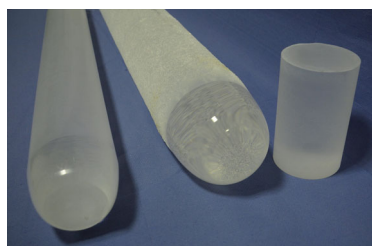
Our OFC 2011 product and service highlights in detail

SQ synthetic fused silica for fiber optics

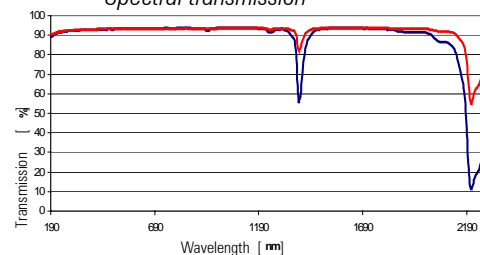
SQ ultra-pure synthetic fused silica for fiber optics is our new offering to fiber manufacturers. SQ inclusion free fused silica provides for high laser durability which makes it the first choice material for fiber optics. The synthetic fused silica SiO₂ of highest purity shows excellent transmission performance in the 185 nm to 2.5 μm range.

With SQ fused silica j-fiber has added the missing link to its complete fiber making competence chain. It supports the design and make of specialty applications preforms as well as the parameter controlled drawing of high-performance optical fibers for use in advanced specialty and photonic devices.

j-fiber fused silica for fiber optics



Spectral transmission

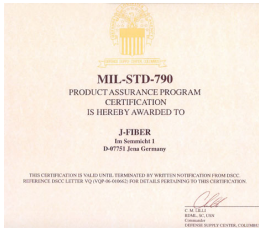


— Typical transmission of 10 mm path length
— Typical transmission of 40 mm path length

j-Ultrasol - Fluorine doped solarization resistant Multimode fiber

j-Ultrasol for long-term transmission stability and long life time applications: a solarization resistant fiber for long life, high transmission stability under UV exposure, especially in the critical wavelength range below 230 nm. j-Ultrasol shows excellent short and long-term stability results: 96% transmission stability at 215 nm under short-term (<24 h) UV exposure, long-term high transmission stability (<1500 h) at a steady 86% level. The silica core/fluorine-doped silica clad Step Index Multimode fiber is well suited for spectroscopy, medical, and industry applications in the wavelength operation range below 400 nm.

**Certified top quality
"green" fiber products**



MIL-STD 790 Certificate US
Departement of Defence



DIN ISO 9001 and 14001



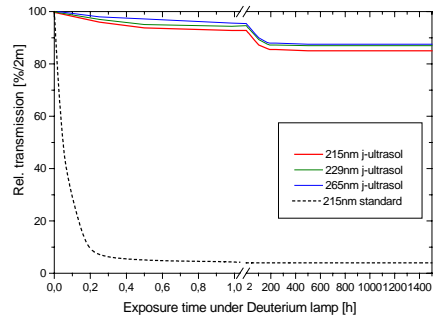
EMAS Certificate for
"green" fiber products and
processes



TÜV technical certificate for
safe and reliable products



j-Ultrasol solarization resistant fiber

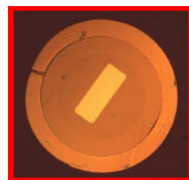


j-Ultrasol high transmission stability

Our Ultrasol family of fiber has been extended to cover the fiber designs 100/110; 200/220 and 300/330 , all equipped with an acrylate coating.

j-NCS non-circular shape fibers

High-performance fibers with customized non-circular cross sections of core and/or cladding. j-fiber's j-NCS series of Fluorine doped step index (FSI) Multimode fibers features an undoped synthetic fused silica core and a fluorine doped silica cladding.



Rectangular core / round clad fiber



Hexagonal core/clad shaped fiber



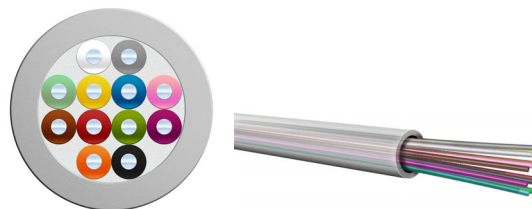
Octagonal core round clad shaped fiber

j-NCS fibers can be customized to support demanding applications and offer innovative solutions for special requirements in laser technology, high power transmission, imaging, spectroscopy, and medical applications. The fibers' key characteristics - such as operation at UV/VIS, VIS/NIR and VIS/IR wavelengths - are optimized by specifying the OH content of the core glass. Furthermore j-fiber offers a large variety of fiber designs defining the cladding thickness, cladding structure (single or double layer cladding) and numerical aperture (NA).

j-FiberUnit 40/100 for up to 100 Gb/s parallel transmission

High data-rate transmission with speeds of 40 and 100 Gb/s Ethernet will use parallel transmission OM3 and OM4 Multimode fibers. IEEE standards demand 150 m link length over OM4 fibers for parallel 100 Gb/s data rate transmission and 125 m link lengths over OM3 fibers for parallel 40 Gb/s transmission to cover up to 97 % of all data center cabling requirements. Thanks to our skew control capabilities, we offer these units for transmission lengths up to 300 m. **j-FiberUnits 40/100** features 12 colored OM3 (or OM4) fibers and supports up to 100 Gb/s transmission, thereby exceeding IEEE link lengths demands.

j-FiberUnits are being delivered with an easy removable acrylate coating, individual color-sets and optional ring-marking. They allow MTP connectorization, standard stripping tools and fan out kits can be used.



j-FiberUnit with 12 fibers



j-FiberUnit 40 spool

Connect to j-fiber

Please feel welcome for individual discussions with our j-fiber experts who will be available for you at **OFC / NFOEC 2011, booth # 2606**