



Member of LEONI Group

**j-fiber would like to welcome you at P&T / EXPO COMM CHINA Booth No. 1A053**

**Learn more about j-fiber and how we can best serve you as your preferred fiber source.**

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## **j-fiber at EXPO COMM CHINA 2010**

**j-fiber is your partner for high-performance Multimode optical fibers** - j-fiber is a worldwide leading supplier of standard and specialty optical fibers and preforms. As an expert for Multimode fibers we support advanced Local Area Networks and data center cabling with high-performance fiber products. Our customers thereby benefit from our unique fiber making value chain and competences. We use our own ultra-pure silica glass material, develop and make our own preforms for fiber drawing in our high-capacity draw tower facility. We even develop and build our own preform making equipment. It allows us to design and manufacture the fibers that best fit our clients' demands and applications in advanced Local Area Networks, data center cabling or diverse specialty fiber markets.

**A strong company with a long tradition** - j-fiber's long tradition of manufacturing leading edge preforms and optical fibers has its roots in the pioneering works of Ernst Abbe, Otto Schott and Carl Zeiss. Today, we are well-connected with the companies, institutes and universities in "optical valley" Jena which is worldwide famous for high-end optics technologies. j-fiber is a member of LEONI AG, a large worldwide supplier of wires, cables and wiring systems serving automotive, transportation, communication and infrastructure markets.

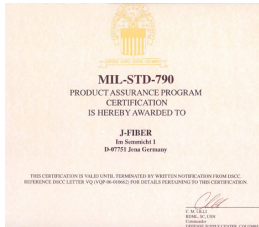
**A trustful partner for Chinese cable makers** - We have successfully established a growing business with Chinese cable manufacturers who appreciate our product quality, cost efficiency and service.



**At EXPO COMM CHINA 2010 j-fiber presents solutions for advanced Local Area Networks, data center cabling and patch-cord manufacturing**



## Certified quality & "green" fiber products



MIL-STD 790 Certificate US  
Department of Defence



DIN ISO 9001 and 14001



EMAS Certificate for  
"green" fiber products and  
processes



TÜV technical certificate for  
safe and reliable products

## OM4/OM3/OM2<sup>+</sup> and OM1: j-fiber has a full portfolio of high-performance standard Multimode fibers

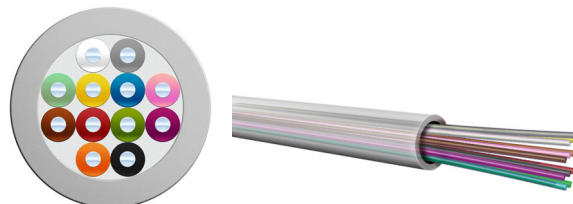
- **j-fiber OptiGrade 550 OM4** provides OM4 standard compliant 10 Gb/s data transmission at an Effective Modal Bandwidth (EMB) of  $\geq 4700$  MHz•km and Overfilled Launch Bandwidth (OFL) of 3500 MHz•km over up to 550 m link lengths.
- **OptiGrade 300 OM3** fiber provides OM3 standard compliant 10 Gb/s transmission performance over 300 m link lengths.
- **GigaGrade 50/125 (OM2) and GigaGrade 62.5/125 (OM1)** fibers are best suited for reliable 1...10 Gb/s data transmission and patch-cord manufacturing.
- **OptiGrade 150 is j-fiber's OM2<sup>+</sup>** enhanced fiber for 10 Gb/s performance providing 150 m link length at 10 Gb/s transmission rates.

## Bend-insensitive and bend-optimized Multimode fibers OM4/OM3/OM2<sup>+</sup>

- With **j-BendAble OMx** j-fiber offers bend-insensitive Multimode fibers for demanding installations in data centers in OM4 and OM3 standard compliance as well as OM2<sup>+</sup> performance.
- **j-BendAble robust** is j-fiber's 500  $\mu$ m coated bend-optimized fiber solution for harsh installation environments where the fiber is exposed to strong mechanical stress.

## j-FiberUnits parallel transmission solutions for next generation 40/100 Gb/s transmission networks

- Our **j-FiberUnits**, using pre-selected OM3 fibers are the ideal solution to enable 40/100 Gb/s parallel transmission up to 150 m.
- Up to 12 j-fiber Multimode fibers can be pre-selected for minimum skew-values and bundled in j-FiberUnits.



j-FiberUnit with 12 fibers



j-FiberUnit 40 spool

Please see our product datasheets at [www.j-fiber.com](http://www.j-fiber.com) for detailed specifications or ask our booth personell for further information

## Fibers and preforms "made by j-fiber": Certified quality in accordance with strict ecological standards for best products, safety and environment protection

j-fiber has been successfully re-certified according to DIN ISO 9001 and 14001 in July 2010. We have received the prestigious MIL Standard 790 by the US Department of Defence for acknowledged manufacturing process quality. With EMAS we have passed the strict European eco-audit for proven environmentally sound manufacturing. All j-fiber products, including fibers and preforms comply to latest RoHS and REACH requirements.

## Connect to j-fiber

Please feel welcome for individual discussions with our j-fiber experts who will be available for you at **P&T / EXPO COMM CHINA, Booth No. 1A053**