



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:**

**wire 2012  
Hall 11 / Booth #  
11D57  
March 26-30, 2012  
Messe Düsseldorf  
Germany**

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**j-fiber GmbH**  
Im Semmicht 1  
D-07751 Jena, Germany  
Tel.: +49-3641-352 100  
Fax: +49-3641-352 101  
Email: [info@j-fiber.com](mailto:info@j-fiber.com)  
Internet: [www.j-fiber.com](http://www.j-fiber.com)

## j-fiber Newsletter wire 2012

Presenting our wire 2012 show highlights

### j-fiber solutions for advanced DC/LAN cabling

#### j-BendAble fiber series

Bend-insensitive fibers have been aggressively pushed into the market as the optimum solution for data center wide cabling. They have been designed to support tight space concepts in data center cabling, such as in racks, to help save space and costs and provide highest bandwidths even in very tight bend-radii installations. But what about fibers in trunk cables to bridge longer distances? Here standard OM4 and OM3 fibers for cost-efficient high-bandwidth transmission might be the better option. But: compatibility-issues with other fiber brands and designs limit individual solutions or flexibility in MAC and upgrade decision.

The graphic features a dark background with an orange header bar containing the text "j-fiber's „Your choice“ Compatibility Solution". Below the header, a central equation reads "j-BendAble OMx + OptiGrade = The Optimum". To the left of the equation, under "j-BendAble OMx", are two bullet points: "Bend-insensitive MMF in patch field applications" and "Minimum bending loss". To the right of the equation, under "OptiGrade", are two bullet points: "10 Gb/s transmission standard fibers in trunk cables" and "Highest bandwidth". To the right of the equation, under "The Optimum", are three bullet points: "Best cost-efficiency", "High MAC flexibility", and "All MMF brands compatibility". At the bottom of the graphic, two fiber reels are shown: one labeled "j-BendAble OMx Fiber" and another labeled "OptiGrade 550 - OM4 Fiber".

With the "Your choice" compatibility solution j-fiber offers an IT cabling solution that supports flexibility and cost-efficiency in data center planning and operation decisions:

- With j-BendAble OMx bend-insensitive OM4/OM3/OM2/OM2<sup>+</sup> compliant fibers for use in tight-bending patch field installations with the compatibility plus. Compatible with any available standard and bend-insensitive fiber brand or design the fibers present the optimum low-loss, minimum attenuation data center cabling solution with high-bandwidth performance.
- Connected to OptiGrade OM4/OM3/OM2<sup>+</sup> standard compliant high-bandwidth Multimode fibers for reliable 10 Gb/s transmission in long link-length trunk cables.

**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-FiberUnits**

**j-FiberUnit series, our value-add service for cable makers**

While performance demands and cost pressure increase, cable manufacturers look for ways to increase productivity in cable manufacturing. With j-FiberUnit series j-fiber offers a value-add service which allows our cable manufacturing clients to outsource a bottleneck production step. Due to the small diameter design of our FiberUnits we help to manufacture a smaller form factor cable than previously possible in high fiber count cable making.

**j-FiberUnit Series**  
Outsourcing a bottle neck step in high fiber count cable making



**Our services:**

- Customized fiber units
- Up to 12 fibers of choice
- For high-density packaging in high fiber count cables
- Easy peel-off acrylate buffer material
- Standard MPO connectors and equipment
- Bend relief (no preferential bend limitation)
- Different colour sets and ringmarking



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

j-FiberUnits 40 /100 enable up to 100 Gb/s transmission using OM3 / OM4 Multimode fibers and exceeding IEEE link lengths demands. We thereby support future-safe data center concepts and their increasing bandwidth demands. j-FiberUnits are being delivered with an easy removable acrylate coating, in individual color-sets and with optional ring-marking.

**j-FiberUnits 40/100**  
For up to 100 Gb/s parallel transmission

- **j-FiberUnit 100:**  
10 x 10 Gb/s fibers parallel duplex, 40 Gb/s
- **j-FiberUnit 40:**  
4 x10 Gb/s fibers parallel duplex, 100 Gb/s
- OM4/OM3 fibers standard or bend-insensitive
- >150m parallel transmission link length
- Exceeding IEEE demands






