



Member of LEONI Group

**j-fiber is one of the worldwide leading suppliers of high-performance optical fibers and preform designs addressing advanced telecommunications 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:**

**59<sup>th</sup> IWCS 2010/Focus  
November 8-10, 2010  
Rhode Island  
Convention Center,  
Providence, Rhode  
Island, USA  
Booth No.: 414**

**or at [www.j-fiber.com](http://www.j-fiber.com)**

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## j-fiber at IWCS 2010

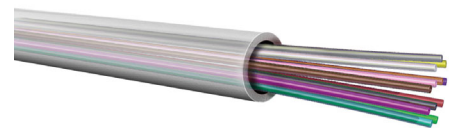
### j-FiberUnit 40/100

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 service and products

While performance demands and cost pressure increase, cable manufacturers look for ways to increase productivity in cable manufacturing. With j-FiberUnit j-fiber offers a new product line and value-add service to its global cable manufacturing clients.

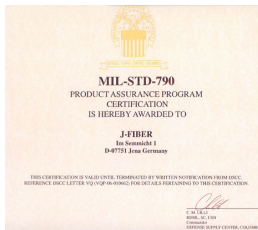
j-FiberUnits contain an individual client choice of j-fiber Multimode or Singlemode high-performance optical fibers, bundled in units containing 2 to 12 fibers. j-FiberUnits are delivered with a protective acrylate buffer which can be easily removed.

j-FiberUnit products and bundling services allow cable makers to outsource a bottleneck production step to support productivity enhanced cable manufacturing of high-performance optical cables. Due to the small diameter design of our FiberUnits we help our cable customers to manufacture a smaller form factor cable than previously possible.



*j-FiberUnit spool*

**Certified top 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**

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

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

- **j-fiber OptiGrade 550 OM4** provides OM4 standard compliant 10 Gb/s data transmission at an Effective Modal Bandwidth (EMB) of  $\geq 4700 \text{ MHz} \cdot \text{km}$  and Overfilled Launch Bandwidth (OFL) of  $3500 \text{ MHz} \cdot \text{km}$  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.
- **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.
- **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 manufacture.

**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 bend-optimized fiber solution for 10 Gb/s transmission protected by a  $500 \mu\text{m}$  coating for use in harsh environments installation where the fiber is exposed to strong mechanical stress.

Please see our datasheets for details at [www.j-fiber.com](http://www.j-fiber.com)



**Successful re-certification according to DIN ISO 9001 and 14001**

j-fiber has always been committed to high quality standards, environmental responsibility and human safety. We have been certified and approved by most relevant organizations for process and product quality, environmentally responsible manufacturing, careful use of resources and protection of humans and nature:

- In June 2010 we have been successfully re-certified according to DIN ISO 9001 and 14001 for j-fiber GmbH and subsidiaries j-plasma GmbH and FiberCore Machinery GmbH.
- j-fiber is authorized fiber manufacturer according to the U.S. Department of Defense **MIL-STD 790**
- j-fiber was the first European fiber company to pass the strict eco-audit EMAS
- We are **REACH** (Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals) compliant and control us and our supply chain according to **RoHS** (EU Restriction of Hazardous Substances)

**Connect to j-fiber**

Please feel welcome for individual discussions with our j-fiber experts who will be available for you at **IWCS 2010, Booth # 414**