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PRESS RELEASE

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Fiber Optic for high data stream

Muehldorf a. Inn. As a specialist for interfaces, ODU develops and produces individual systems as well as standard solutions also for medical applications such as MRI-devices or endoscopes.

When exchanging information between different participants, communication protocols are the basis that define different framework conditions of data transfer. Where copper lines reach their physical limits due to transmission characteristics, fiber optic technology offers numerous advantages. These include:

- Transmission range
- Weight reduction
- EMC compatibility
- Scalability
- packing density

For the highest demands on data rates and fast, interference-free transmissions, fiber optic is the optimal connection. ODU delivers quality and stability for high-performance optical technologies that can serve a wide and demanding range of applications. ODU has developed glass fiber and hybrid connection solutions for different connector series that combine fiber optic technology with power contacts and different termination cross-sections for transmission media, both as GOF (multimode / singlemode) and POF system solutions.

Due to the high demands of connecting fiber optic lines to the connector, the portfolio includes fully assembled fiber optic system solutions. Also the combined insert (further media) in the environment of magnetic fields can be a decisive advantage in magnetic resonance imaging (MRI).



Whether it's particularly harsh environments, high mating cycles or long transmission distances: ODU Fiber Optic is the ideal system solution for medical technology when speed and reliability are of the essence. The fiber optic solutions are secure, fast and hardly susceptible to interference.

For more information, visit <https://odu-connectors.com/technologies/fiber-optic/> or visit us at [Compamed](#) taking place Nov. 13-16, 2023, at Booth P19 in Hall 8A.

ODU Group: global representation with perfect connections

The ODU Group is one of the world's leading suppliers of connector systems, employing 2,600 people around the world. In addition to its company headquarters in Muehldorf a. Inn (Germany), ODU also has an international distribution network, production and product development sites in Sibiu/Romania, Shanghai/China, Tijuana/Mexico and Camarillo/USA. ODU combines all relevant areas of expertise and key technologies including design and development, machine tooling and special machine construction, injection, stamping, turning, surface technology, assembly and cable assembly. The ODU Group sells its products globally through its sales offices in Austria, China, Denmark, France, Germany, Hong Kong, Italy, Japan, Korea, Romania, Sweden, UK and the US, as well as through numerous international sales partners. ODU connectors ensure a reliable transmission of power, signals, data and media for a variety of demanding applications including medical technology, military and security, automotive, industrial electronics, and test and measurement