Rosenberger

Forward-looking IT cabling solutions for your data center of the future

OPTICAL SOLUTIONS & INFRASTRUCTURE

Pioneer in forward-looking fiber optic solutions. Since 1991.

Cloud Computing, Big Data, Artificial Intelligence, IoT: The transition to the digital society is unstoppable. As a result, the volume of data is growing on a worldwide level by more than 30 % every year. There is no sign of this trend coming to an end and the demand for data centers as the hubs of this digital world is growing exponentially. Ever since it was founded in 1991, Rosenberger OSI has

been convinced that optical fibers will be the backbone, and data centers the cornerstone, of future data streams. As a driver and pioneer in the field of smart technologies and solutions for fiber optic and copper cabling for data centers, Rosenberger OSI is one of the leading European players in this demanding market segment.

We deliver sustainable solutions:
Flexibly and fast!

FORWARD-LOOKING –
RIGHT FROM THE START

1 Thanks to our long-standing expertise and our active participation in various associations and standardization bodies, we are already well aware of the demands that will be placed on your data center of the future. Taking the individual components as our starting point, we develop application-specific, sustainable solutions. Rosenberger OSI's highly experienced employees will work with you on your project right from the outset. Rock-solid consulting. For a secure future. And a safe investment. That is what Rosenberger OSI stands for.

TECHNOLOGY LEADERSHIP

2 As early as 1997, Rosenberger OSI was one of the first companies to look at the potential of parallel optics cabling. This pioneering technology is now a decisive factor for future-proof IT infrastructures. What is more, we are not content just to offer standard solutions: our products stand for the best possible quality, maximized transmission values and ease of operation. All of which means you benefit from outstanding performance, exceptional modularity and the most efficient cabling solutions available.

OUTSTANDING DATA CENTER AVAILABILITY THANKS TO COMPREHENSIVE SERVICES

3 Transmission paths and attenuation budgets must be considered right from the start in the design of a modern data center. Installation requires the utmost care and comprehensive know-how. In addition, the necessary resources must be available. Our skilled employees will work at your premises to ensure reliability and security in every phase of the project. Dependable. Committed. Straightforward. Offering planning, maintenance and documentation from a single source. Rosenberger OSI: Your direct route to efficient, secure data center operation.

Trends in the networked world.

CABLING EXPERTISE FORMS THE FOUNDATIONS

The digital future will be characterized by complex networks with real time capabilities. All of these will be interconnected via the Internet. The main beneficiaries of this development will be businesses and industries that work in partnerships to actively shape the digital transformation. With more than 25 years of experience, Rosenberger OSI is your reliable partner for the design of future-proof IT cabling infrastructures – whatever the scale and for both enterprise and colocation environments.

DIGITALIZATION OF THE GLOBAL ECONOMY

Current developments in the IT world are posing huge challenges for businesses. Big Data, mobile applications and more flexible working environments are making data center services ever more important. This also places demands on the IT network infrastructure. When it comes to cabling, it is more important than ever to provide high-performance, versatile, modular solutions that can be adapted to future requirements. Fiber optic solutions form the basis for such developments and meet the constantly growing need for higher bandwidths.

BIG DATA, CLOUD COMPUTING, EDGE COMPUTING

Everyone is talking about Edge Computing and the new 5G wireless network. They are the essential prerequisites for applications that can operate in real time with short latencies, as is necessary, for example, in the field of autonomous driving or the IoT. This is because the data must be processed in real time in exactly the place where it is generated and used. What is indisputable is that these IT megatrends can only be put to practical use through highly available fiber optic networks with real time capability.

PROGRESSIVE TECHNOLOGY CHANGE

The data volumes that data centers have to transfer are increasing dramatically. Ever faster Ethernet standards are becoming necessary in ever shorter cycles. Our solutions in the fields of parallel optics and on-board optics, as well as our high-performance single-mode fibers, are the vital basis that will underpin the demanding capabilities required from the data centers of the future.
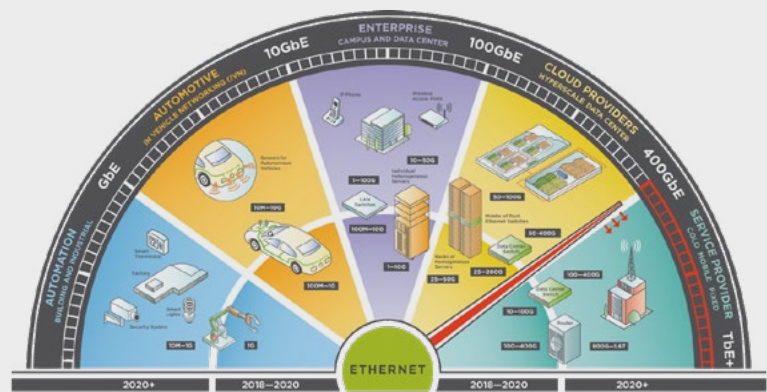
Source: Ethernet Alliance

Our product lines.

FIBER OPTIC CABLING SYSTEMS

PreCONNECT® BREAKOUT
For fast, simple and secure Plug & Play installation of a few fibers of short lengths in data centers. → **more**

PreCONNECT® STANDARD
Factory assembled fiber optic cables up to 144 fibers for Plug & Play building (office), Telecom, data center, SAN, server farm and industry cabling. → **more**

PreCONNECT® PURE
The optical contacts integrated in PURE interfaces guarantee a low insertion loss that was out of reach so far. → **more**

PreCONNECT® DUODECIM
For conventional transceivers for duplex applications like 10/25/50 GBE and 8/16/32 GFC on both cable ends. → **more**

PreCONNECT® OCTO
For structured parallel optics data transmission using only 8 instead of 12 fibres per SR4 transmission channel. → **more**

PreCONNECT® TRUNK MULTIJUMPER
Infrastructure cabling of data centers, SAN, and server farms, particularly suitable for individual switch cabling in data centers. → **more**

COPPER CABLING SYSTEMS

PreCONNECT® COPPER
Factory assembled copper trunk and multijumper cables for Plug & Play installations. → **more**

PreCONNECT® COPPER ToR G2
Factory assembled copper trunk cables optimized for "top-of-the-rack" Plug & Play installations in data centers. → **more**

Stay in touch.

Do you have any questions about the planning, installation or maintenance of data centers? Do you need any documentation? We'll take care of it! Your contact in Europe: