

FIBER-OPTIC CABLING SYSTEMS

WELCOME TO
NO COMPROMISE.



PRECONNECT® | PRECONNECT® HDCS
FOR FORWARD-LOOKING TECHNOLOGY THAT WORKS.

CREATE RELIABILITY
WITHOUT IFS AND BUTS
ZERO-ERROR TOLERANCE
EVERYTHING FROM ONE SOURCE
OSI PRECONNECT® SYSTEMS
HIGHEST SERVICE STANDARDS

04 _ 07

08 _ 09

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For some people it is just a detail behind complex technologies. For Rosenberger OSI Fiber-Optics, fiber-optic cabling infrastructures are a promise in connection with their guaranteed future – focused on maxims of technical producibility and most of all a commitment. For unique quality standards without compromise with high-end manufacturing processes, with guaranteed manually-tested products and 100 % traceability, no ifs and buts.

A specialist with high innovative power, this is exactly what led be us to the inventor of the factory-converted trunk – globally used in industry, data centers, telecommunication and financial services. Welcome to the world of Rosenberger OSI Fiber-Optics.



OSI guarantees
individually
tested quality



with
registered
serial number



protected



WELCOME TO
NO COMPROMISE.

CREATE RELIABILITY WITHOUT COMPROMISE

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Banks, insurance companies, large local authorities, telecommunications providers or industrial plants – wherever highest availability and reliability is required, you will find cabling solutions from Rosenberger OSI Fiber-Optics, globally.



INDUSTRY

OSI Fiber-Optics offers a multitude of innovative applications and solutions in many types of protection classes for the entire bandwidth of fiber-optic and hybrid-cabling, especially

created for reliable application in the rough manufacturing environment. The comprehensive solutions of OSI Fiber-Optics feature specially protected cabling systems which will ensure.



FINANCIAL SERVICES

Financial service providers are dependent on protected and fail-safe transfer of their sensitive data. The guaranteed quality of the OSI Fiber-Optics cabling systems, each checked by hand, will ensure immediate functional efficiency of the technology implemented at financial services sector and with it reliable data transfer.

Guaranteed immediately serviceable and densely packed, the high-grade OSI Fiber-Optics cabling systems are the professional decision, meeting the special demands of the financial market, because smooth processes are ensured only with tested quality. This all leads to a rapid repayment of your investment.



DATA CENTER

Productivity, scalability and reliability are the decisive criteria for profitability of data centers. The OSI PRECONNECT® HDCS (High Density Connectivity System) was developed especially for these requirements with highest package density.

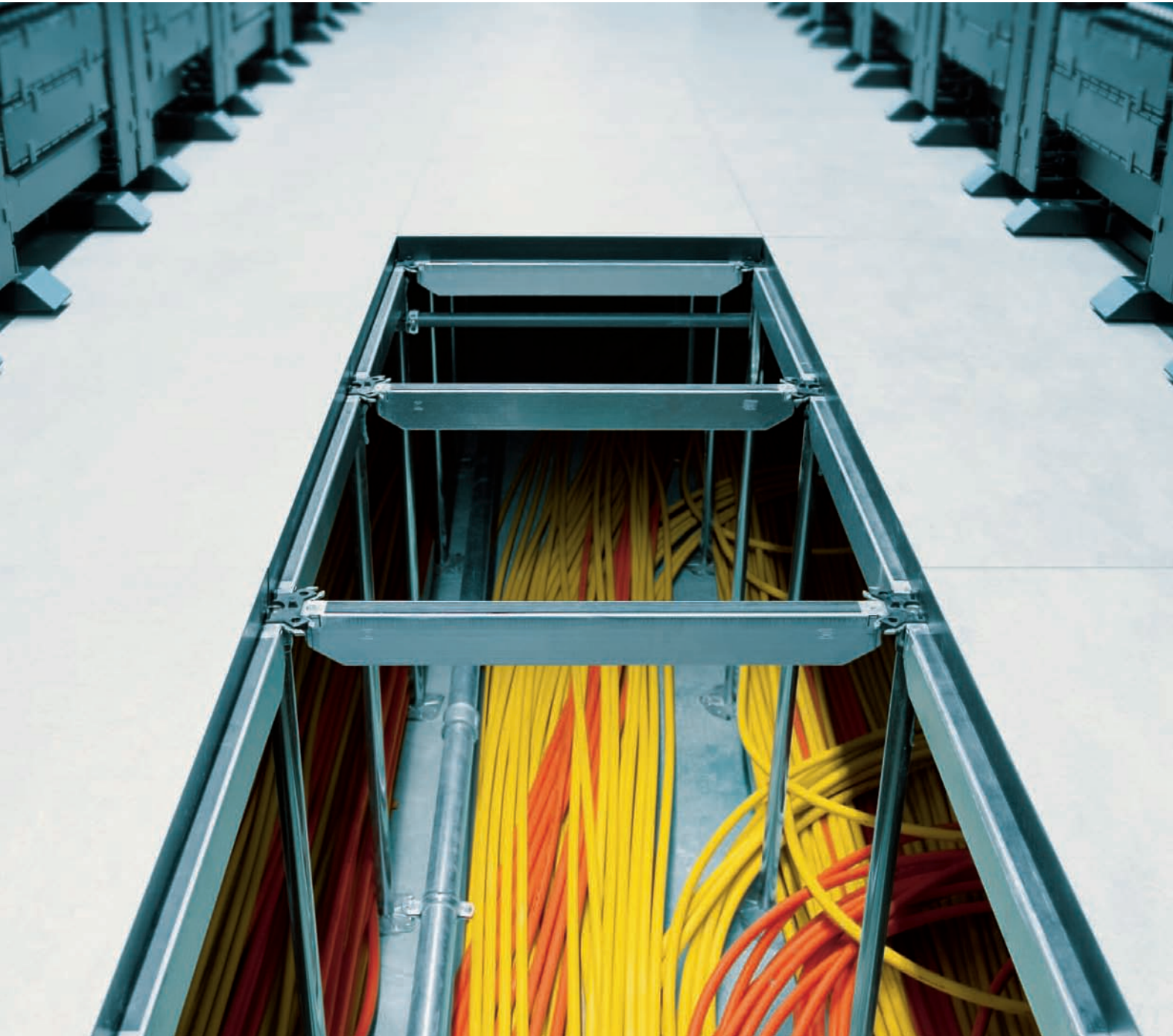
OSI Fiber-Optics stands for standard-conforming, innovative and scalable high-quality fiber-optic cabling systems for application- and equipment-neutral implementations in data centers keeping pace with the future.
OSI Fiber-Optics: Reliability without ifs and buts.



TELECOMMUNICATIONS

One of the reasons, why telecommunication companies have historically used forward-looking fiber-optic technologies, is the necessity to transport large amounts of data reliably over great distances. OSI Fiber-Optics offers unique PRECONNECT®-solutions with extreme package densities.

By their insensitivity towards negative electro-magnetic influences, OSI Fiber-Optics systems are extremely tough and fail-safe even for homogeneous fiber-optics cabling of sensitive crosspoints like aerial masts.
OSI Fiber-Optics: Uncompromising reliable.



OSI Fiber-Optics are involved with the following quality standards:

ZVEI: the central association for the Electrical and Electronic Industries

DKE German Commission on electrical, electronic, and information technology in the DIN and the VDE

CENELEC European Committee for Electrotechnical Standardization

IEC International Electrotechnical Commission

All of our innovation for one target:

Strengthen our customers.

The future is starting for us daily anew. Therefore we focus on ingenuity. Not just demonstrated in the high-grade material of our products. Implementation of state-of-the-art technologies in process engineering, production and test methodology is a matter of course to us. The development of the patented OSI PRECONNECT® system with excellent scalability is just one proof of our corporate philosophy, realising future technologies already today.

Passion about achievement has led us to be the inventor of the factory-converted trunk.

You will feel if someone is working with passion and see the result as exceptional products and achievements, which distinctly differ from what is common. This is what led Rosenberger OSI Fiber-Optics to be the inventor of the factory-converted fiber-optic cable trunk in 1992. Standards, which are still valid today – at home and world-wide.

The success of our customers is our success, too.



Advantages at a glance:

- Plug and play technology
- Factory-converted fiber-optic bundled-strand cable up to 144 fibers
- Double-sided staged standard-connector leads up to 2.5 m
- Protected by dust- and water resistant tubes or foil tubes

ZERO-ERROR TOLERANCE

WELCOME TO NO COMPROMISE

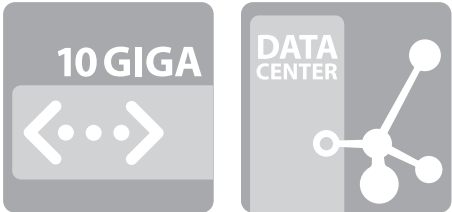
WELCOME TO
NO COMPROMISE.



OSI guarantees individually tested quality

with registered serial number

protected



10 GigaBit ready

professional data center usage

Unique quality standards without compromise with a guarantee of manually-tested quality.

A fiber-optic network is only as good as its weakest component. Therefore, Rosenberger OSI Fiber-Optics guarantees manually tested quality control and sets benchmarks in the market with uncompromising quality standards. The reliability of your fiber-optics infrastructures leaves no room for compromises.

Responsibility starts with 100% traceability and high-end manufacturing processes.

If low-cost products with respective quality, often from non-traceable origins, is used for fiber-optic infrastructures, the consequences are understood. Components which are the heavily used may become the most frequent cause for loss of efficiency and route failures. It would be a big mistake to make any quality concessions here. OSI Fiber-Optics focuses on reliability. We complement 100% traceability of all used components with first-class quality. Each component is individually checked before leaving our company.

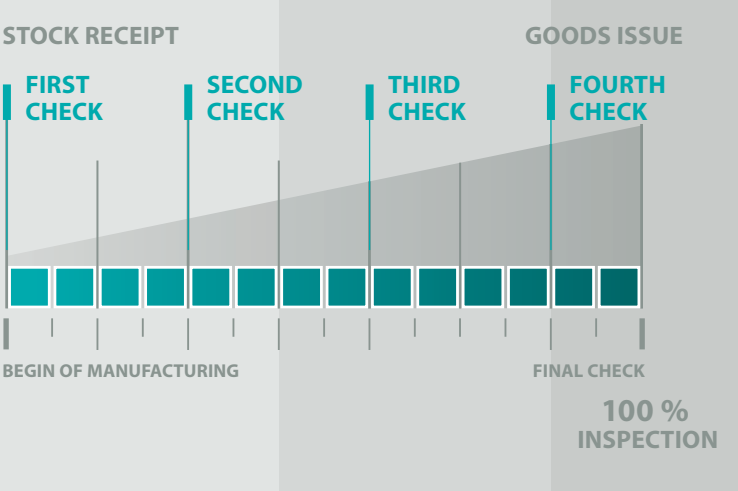
OSI Fiber-Optics is certified:



BdNI

PVP
GHMT Premium Verification Program

DIN ISO 9001:2000



| Quality inspection in the added value process

EVERYTHING FROM ONE SOURCE

NO SOONER SAID THAN DONE

WELCOME TO
NO COMPROMISE.

One-stop complete systems, ideal orientation to individual requirements, professional after-sales support: Not just slogans for OSI Fiber-Optics. We develop customised service strategies for

your company for the range of fiber-optic cabling solutions and connector systems for data communication. From a prototype up to serial production. Full service from the start.

CONSULTING

COMPREHENSIVE CONSULTING

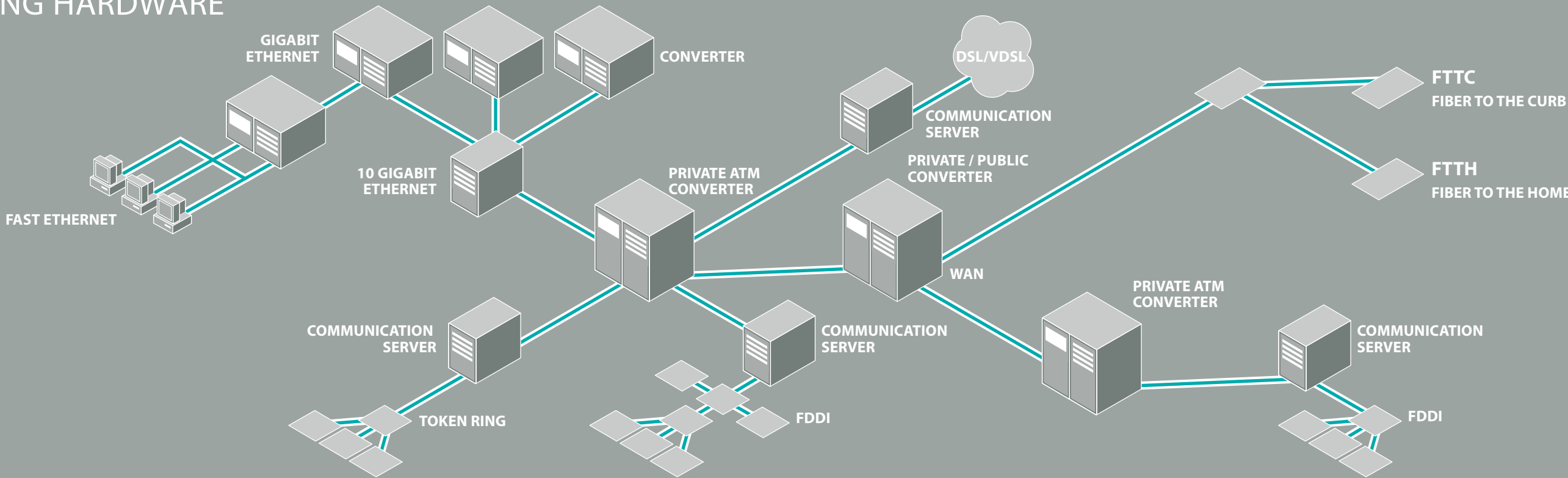
COMPLETE SYSTEMS FROM ONE SOURCE | IDEAL ORIENTATION TO INDIVIDUAL REQUIREMENTS

ENGINEERING

PROJECT DESIGN | PLANNING

TRANSPARENT WORKFLOW QUALIFICATION | PROTOTYPING | SERIAL PRODUCTION

CABLING HARDWARE



AFTER-SALES SERVICES

FLEXIBLE DELIVERY

WORLDWIDE TRAINING OF INSTALLATION AND DATA CENTER PERSONNEL | RELIABLE MAINTENANCE INTERVALS



Fibers

As singlemode fibers (E9/125 µm, IEC 60793-2-50-B1.1/B1.3) or multimode fibers (G50/125 µm, IEC 60793-2-1-A1a and G62,5/125 µm, IEC 60793-2-1-A1b), all fibers comply with the specific standard requirements of the ISO/IEC 24702 and DIN EN 50173 family.

Multipatch cord

Factory-converted fiber-optic patch cord within a flexible, removeable corrugated tube which is resistant to lateral pressure, tensile strength and buckling and is extremely versatile.

Plug-in systems

From singlemode to multimode, from pull-push locking to anti-twist element. A solution for all requirements. High-quality couplings are used exclusively in OSI plug-in connections.

Trunks

Factory-converted fiber-optic buffered cable in rugged protective tubes, resistant to tensile strength and lateral pressure and dust-proof according to IP50 or waterproof according to IP67.

Panels

For fixed installation or complete telescopic pullout for universal accommodation of all established factory- or on-site converted types of cable.

Racks

The latest development for space saving cable management, especially for fiber-optic patch distributors in data centers.

The OSI Fiber-Optics PreCONNECT[®] systems are cost-efficient solutions. Factory-converted and splice free, fiber-optic cabling can be installed and maintained quickly and simply. The highest quality in every detail will convince you.



Work effort for established splice solution:
Cable laying 100 m route, 2 persons:

1 hour

Splicing incl. ancillary works and measuring
48 fibers:

8 hours

total: 9 hours

Work effort for PreCONNECT[®]:

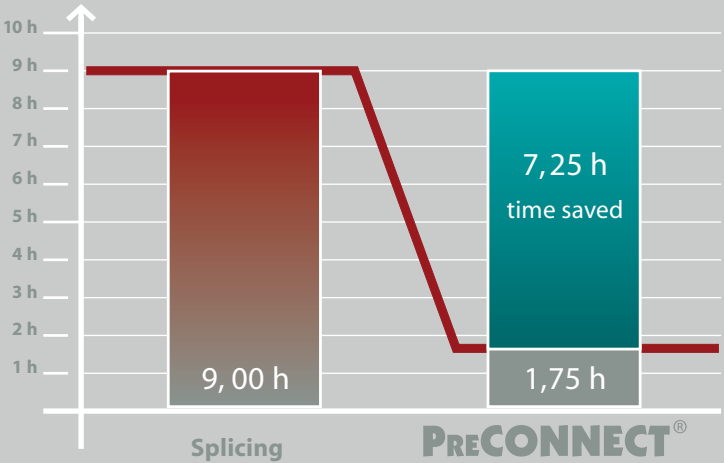
Cable laying 100 m route, 2 persons:

1 hour

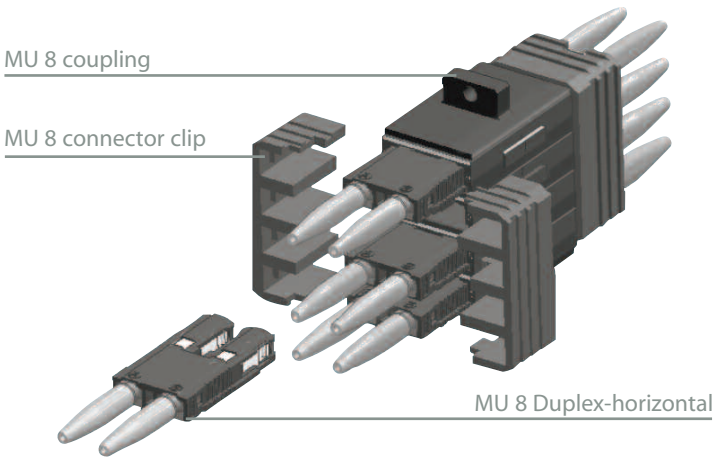
Application of plug connectors, installation
of distributor housings and light function test,
2 persons:

0,75 hours

total: 1,75 hours



The High Density Connectivity System for the future: Fiber-optic cabling system OSI PRECONNECT® HDCS with high packing density is the highest step on evolution of fiber-optic cable technology. Excellent availability and reliability for your competitive advantage.



The MTP®-system

Extremely high packing density for special requirements: Especially in building services engineering and in LAN- and SAN networks as well as in data centers, cabling must be quickly and simply installable - in tightest space! The OSI MTP®-System bundles 4, 8, 12 and on request 24 fibers in one: This is the future-oriented ultra-high density solution saving time and effort. Depending on the model connectivity is achieved with established latched push-pull locking or innovative push-pull locking. The ferrules of glas-filled composite are centred by two precision-guide pins.

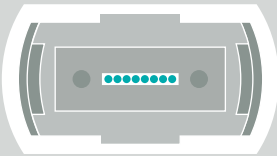
Singlemode or multimode – your requirements will decide: The MTP®-plug system is available in many variations. Up to 24 fibers can be connected with the reliable plug.

The MU 8-fold plug system

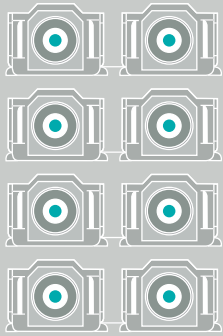
High-density but easy to handle: The four duplex-channels in the patch field are fail-safe and quickly installable in one plug-in process for installation. On the patch field itself, the cascaded MU-duplex horizontal is completely patchable without special tools by the de-installable clip. The ferrules and coupling bushings consisting of solid ceramics are extremely resistant and durable.

A key feature of the MU 8-fold its push-pull fiber-optic plug system: This again facilitates easy re-configuration. IEC standardises guaranteed manufacture independence at highest quality: The high-end singlemode plug system is daily proving itself millions of times in the most network architectures of challenging complex.

PRECONNECT® HDCS
MTP®



PRECONNECT® HDCS
MU 8-fold



10 GIGA

<...>

10 GigaBit ready

DATA CENTER

professional data center usage

| MTP®-plugs and MU 8-fold plugs
MTP® is a registered trademark of US-Conec Ltd.

HIGHEST SERVICE STANDARDS GLOBALLY AT HOME

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Fiber-optics infrastructures from Rosenberger OSI Fiber-Optics are not only at home in leading technologies around the globe, but also in your vicinity. Benefit from the highest quality standards within a strong safety net – globally.



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Get more information on future-proof
fiber-optics infrastructures and discuss
your opportunities with us.



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