

FIBER-OPTIC CONNECTIVITY SOLUTIONS

WELCOME TO
NO COMPROMISE.



CUSTOMER-SPECIFIC FIBER-OPTIC AND HYBRID
PLUG-IN CONNECTION SOLUTIONS FOR TECHNOLOGIES
MOVING THE WORLD.

CREATE RELIABILITY
EXPERIENCING THE FUTURE
FOCUS ON RELIABILITY
CUSTOMER-SPECIFIC SOLUTIONS
OSI HEAVY DUTY SOLUTIONS
HIGHEST SERVICE STANDARDS

04 _ 07
08 _ 09
10 _ 11
12 _ 13
14 _ 17
18 _ 19



OSI guarantees individually tested quality

with registered serial number

protected



Your guarantor for reliability
Let yourself be convince by us: At Rosenberger OSI Fiber-Optics, we place the highest demands on our employees and our material. Especially adapted to your needs and high requirements, our customized solutions represent quality and reliability. A detailed quality management system and meticulous advanced planning of each project will warrant operational reliability of your system. In the scope of consulting and engineering we set new standards too. Thus, we can guarantee reliability and profitability. We focus on control – so that you can trust us.

OSI Fiber-Optics products have been proven in daily use due to their high quality and failure-free function. Therefore, OSI Fiber-Optics plug-in connections are used in broadcast, aerospace, automotive, in industry, mobile radio, offshore and mining, because reliability is essential.

CREATE RELIABILITY WITHOUT COMPROMISE

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Innovation is no foreign word to us: For more than fifteen years, we are internationally and interbranch the reliable partner of globally successful companies and are equipping them for the future.

Our unique full-service convinces with professionalism and expertise in consulting, engineering, development up to qualification and series production. Continuous improvement of our solutions is leading to our high level-of innovation and guaranteed future.



AEROSPACE

For plug-in connections and assemblies used in aerospace. Only the best will satisfy, since quality is essential. Solutions from OSI Fiber-Optics extensive qualification procedures and reliable quality controls assure operational reliability of all

components. Special plug-in connectors especially developed for aerospace, like the lens-contacts of the series 98 PL 230, will satisfy these high requirements.



BROADCASTING

Transmission reliability and fast installation even under the hardest environmental influences is an important decision criterion for the sector when the choice of the suitable cable connections is concerned. No problem for the products of our „Heavy Duty“ Line. The plug-in connections, designed for the use of, for example, HDTV-cameras in the scope of broadcasting will also allow hybrid applications with optic and electric contacts.

For us, tomorrow is starting today already – our highly scalable technologies are proving it daily.
You are attaching importance to quick return of your investments.
With OSI Fiber-Optics, guaranteed fail-safe operation, ensured by

part-for-part inspection of all our individual components, will not be a coincidence. OSI Fiber-Optics is focussing on reliability.



AUTOMOTIVE

Reaching the destination safely with Rosenberger OSI Fiber-Optics: We are developing fail-safe fiber-optic components, plug-in connectors and contacts for sensors and optical on-board systems in closest cooperation with leading manufacturers and subcontractors of the automotive industry.

Thus, efficient production is warranted. Our internal tool construction allows for efficient custom products according to requirements. Additionally, reliable planning of installation processes for POF, HCS and other types of fiber is no problem to us.

MINING

The rough environmental conditions in mining require specially protected plug-in connections and cable systems. Our fiber-optic technology is not susceptible to failures, stable and insensitive towards stressing exterior influences.

INDUSTRY

Our products from the Heavy Duty Line are satisfying even most challenging demands. For robotics, energy plants and mobile radio installations. Our systems are guaranteed effective, fail-safe and robust.

EXPERIENCING THE FUTURE ALREADY TODAY

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Experience sports events in HDTV-quality already today. Successful, innovative broadcasting stations focus on HDTV as the forward-looking transmission technology and count on the qualitatively high-grade, reliable cabling solutions from OSI Fiber-Optics. Excellent connectivity of the plug-in connections to different cable systems as well as the combination of convincing electrical and optical properties with mechanical and optical stability and user-friendly handling will get you the future today. Safe and reliable.

OSI Fiber-Optics is designing the future in cooperation. Our memberships include

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



Product highlights of the OSI Heavy Duty Line:
Up to 12 fibers singlemode and multimode

OSI Heavy Duty Line: Deally supports the forward-looking HDTV-technology.

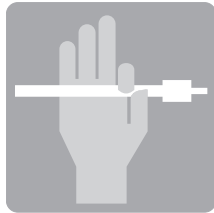
Mobile Line: OSI Fiber-Optics is offering optimal solutions particularly for mobile applications.



FOCUS ON RELIABILITY

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OSI guarantees
individually
tested quality



protected



10 GigaBit
ready



Reliability originates from uncompromising quality:

Reliability of your fiber-optic infrastructures is not built on coincidence, but on effective control of a sophisticated quality management system. Solutions from OSI Fiber-Optics are interbranch certified according to BdNI, PVP and DIN ISO 9001:2000 and will guarantee immediately serviceable, fail-safe systems.

Demand the best:

Part for part, each individual component is inspected for operability in high-technology steps, before being used in your system. All OSI-products are subject to multiple quality checks. Thus, we set international standards within the chain of quality assurance. Demand the best: OSI is your certified reliable supplier according to the Premium Verification Program (PVP) and subject to current DIN ISO standard.

Industry certification:



BdNI

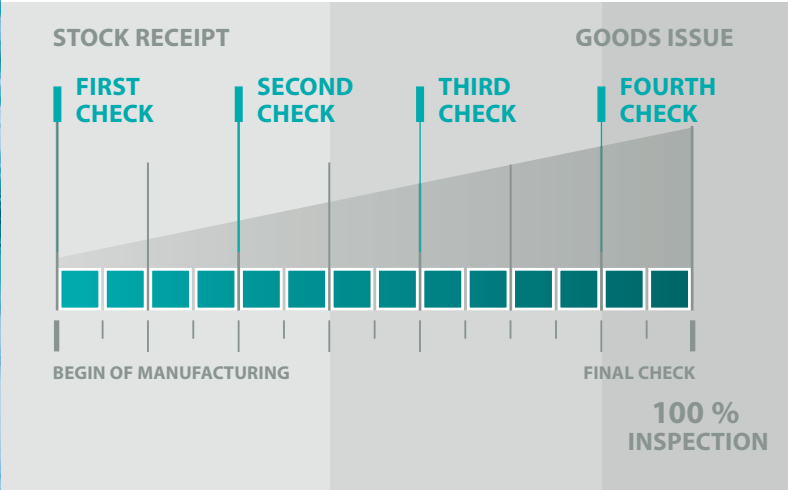


PVP

GHMT Premium Verification Program



DIN ISO 9001:2000



| Rosenberger OSI Fiber-Optics products
are built for no compromise

CUSTOMER-SPECIFIC SOLUTIONS

SAFE AND RELIABLE

WELCOME TO
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Each successful, future-oriented business requires an individual plan. Only individual components which are ideally adjusted to the specific system requirements will create a functioning complete system. This will make your investment profitable and will ensure

fail-safe operation. OSI Fiber-Optics will convince you of its quality concept. Systems from one source, transparent workflow and optimal orientation to your requirements, developed in close cooperation with your contacts, represent reliability.



CONSULTING

Innovative and individual solutions especially for your requirements. Our long-term experience and expertise is the basis for your success according to our „one-stop“-philosophy. Transparent processes will increase project efficiency.

ENGINEERING

From project design and planning until qualification: Each step is completed with precise coordination. This will save money and time. Prototyping: Prototypes, which already conform with the criteria for series production are subject to strict internal quality control. Series production: The inspected prototype has passed the tests – now OSI will start series production quickly, efficiently and with flexibility.

INSTALLATION AND MAINTENANCE

OSI Fiber-Optics focuses on fail-safe and reliability. We will ensure correct operation of your system by analysis of the infrastructure, through maintenance according to check lists, using the latest measuring equipment. Our professional maintenance service will provide you with reliable support.

AFTER-SALES SERVICES

Professional training of installation and operational personnel, consistent availability and reliability of our service team and finally the high scalability of our solutions ensure that your system is completely fully prepared for a successful future.

OSI HEAVY DUTY SOLUTIONS

RELIABILITY

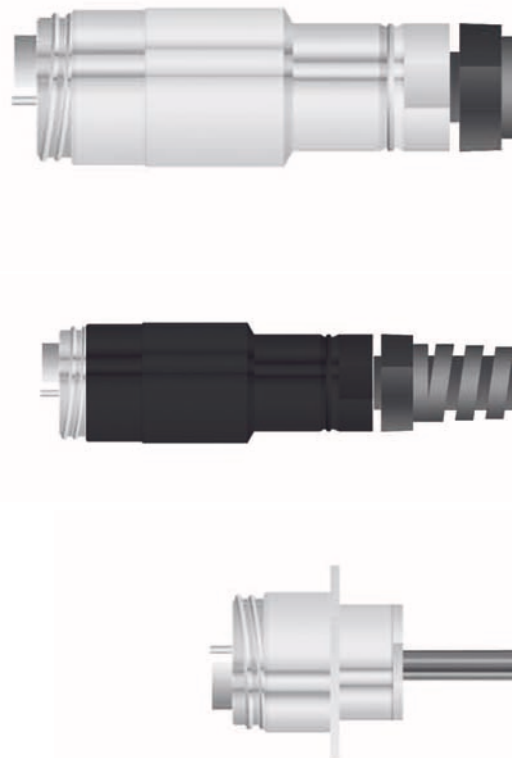
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Industrial application of plug-in and cable connections present high demands to the material and requires varying applications. Extreme outdoor conditions and negative environmental influences require maximum demand from technological solutions.



The Heavy Duty Line with specially protected plug-in connections and cabling systems survives the rough course of daily industrial use by its special properties:

- Properties**
- The plug-in connections are made of resistant materials and under tensile loading leak-proof according to ICE 60529 (IP67).
 - A solid casing and screw-coupling allow application under toughest conditions (Exception: Heavy Duty SC-RJ).
 - The plug-connector series covers applications with 2-12 fibers in singlemode and multimode.
 - Some types allow for hybrid connections by additional electric contacts.
 - Removable coupling sleeve enable quick cleaning of contacts by the user.
 - Strain-relief devices are available for different types of cable.
 - Protective caps cannot get lost.



The advantages
at a glimpse

- Fail-safe
- Quick installation
- Ease of maintenance
- Long service life
- Low consequential costs
- Quick ROI

OSI HEAVY DUTY SOLUTIONS

IDEAL FOR INDIVIDUAL REQUIREMENT

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Universal, material usage with cable saving application and robustness are criteria which definitely have to be fulfilled by plug-in connections used in industry.

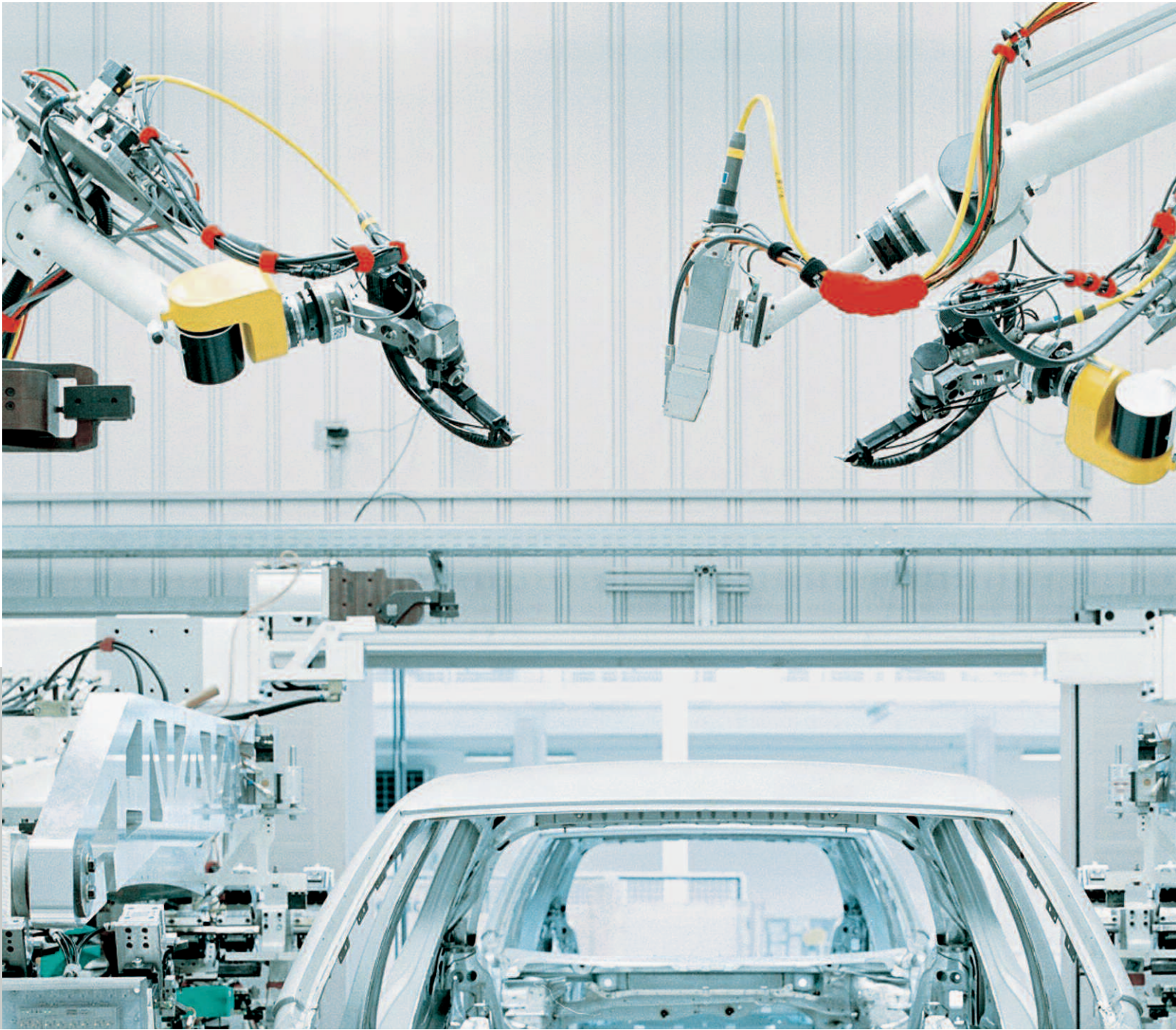
Many plug-systems are restricted by exterior use, frequent new laying and plugging – the solutions from Rosenberger OSI Fiber-Optics can cope with these requirements. So why make things difficult when there is no need?

Our connections from the Heavy Duty Line provide performance and are easy to handle:

The hybrid design of the hermaphrodite plug-connections has additional electric contacts and ground connection. The plugs of the Heavy Duty Line with hermaphrodite/hybrid screwed joint for up to 6 fibers and optionally up to 4 electric contacts and those of the Heavy Duty 1000-series with 12 individual ferrules are designed for particularly tough environmental conditions. Especially suited for application as a hybrid connector for a test bench and hybrid connection of distribution points, respectively.

Plug-to plug or plug-to-mounting socket are connectable without problems, making hermaphrodite Heavy Duty plug-systems to reliable, cable-saving, all-round equipment. The variable hybrid plugging enables flexible application of these OSI solutions.

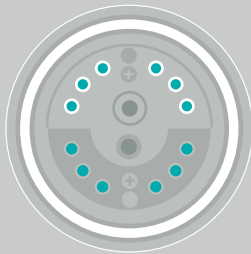
The future starts today with Rosenberger OSI Fiber-Optics.



OSI Heavy Duty Line
Hermaphrodite



OSI Heavy Duty Line
Hermaphrodite/Hybrid



- fiber-optic contacts
- electrical contacts

Hermaphrodite

Up to 12 fibers in a cable

Optionally with in APC polish

Hybrid type (electrical contacts and ground connection)

High quality screwed coupling mechanism guarantees a reliable interconnection

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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