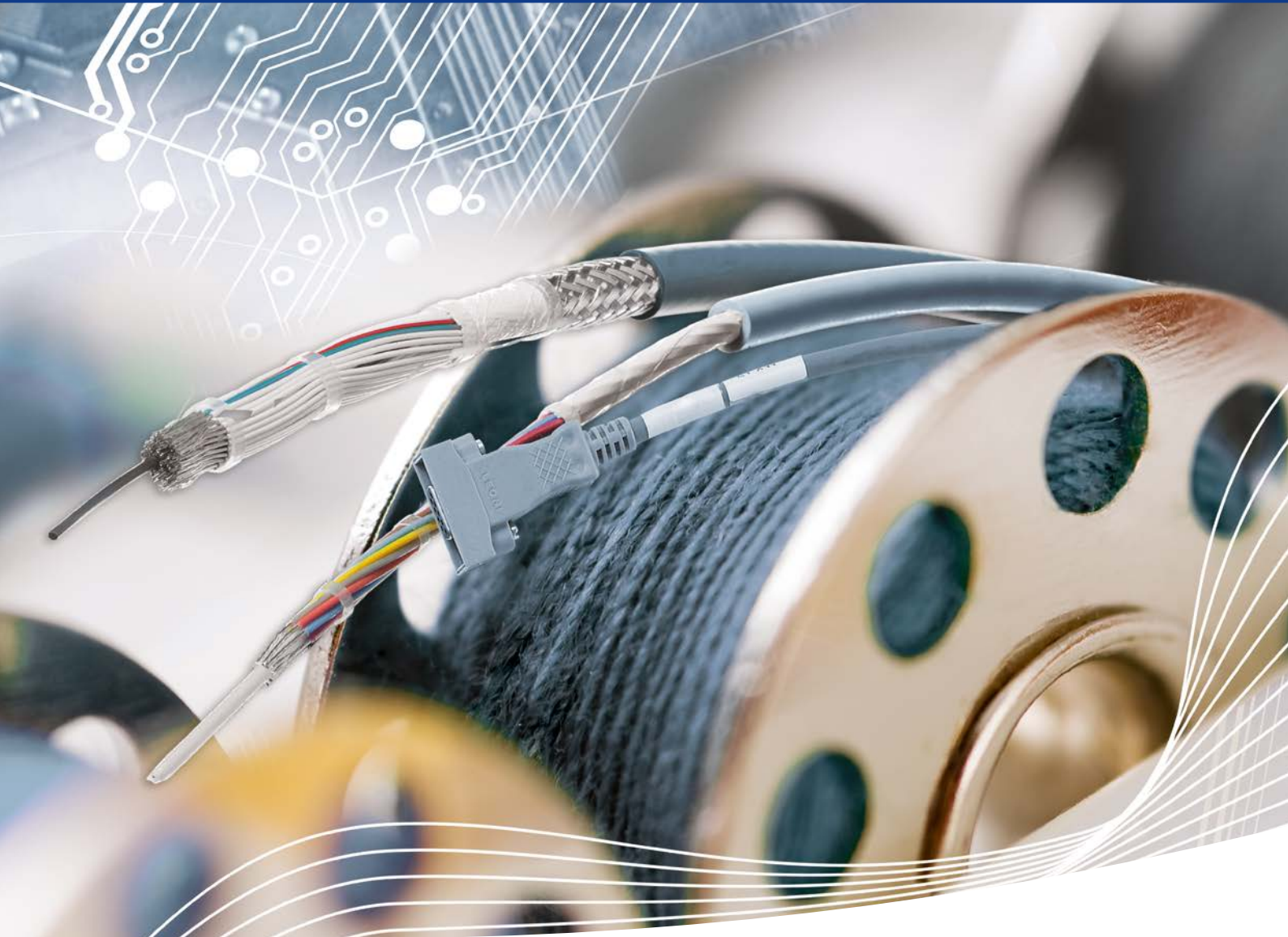


Tailor-Made Products

Custom solutions for
unique demands



The Quality Connection

LEONI

Tailor-Made Products

LEONI is your reliable partner for the development and production of tailor-made cables and your competence centre for demanding connection technology.

Products that meet your expectations.

A broad assortment of materials, the latest production technologies and custom services as the basis for optimally developing solutions tailored to your requirements.

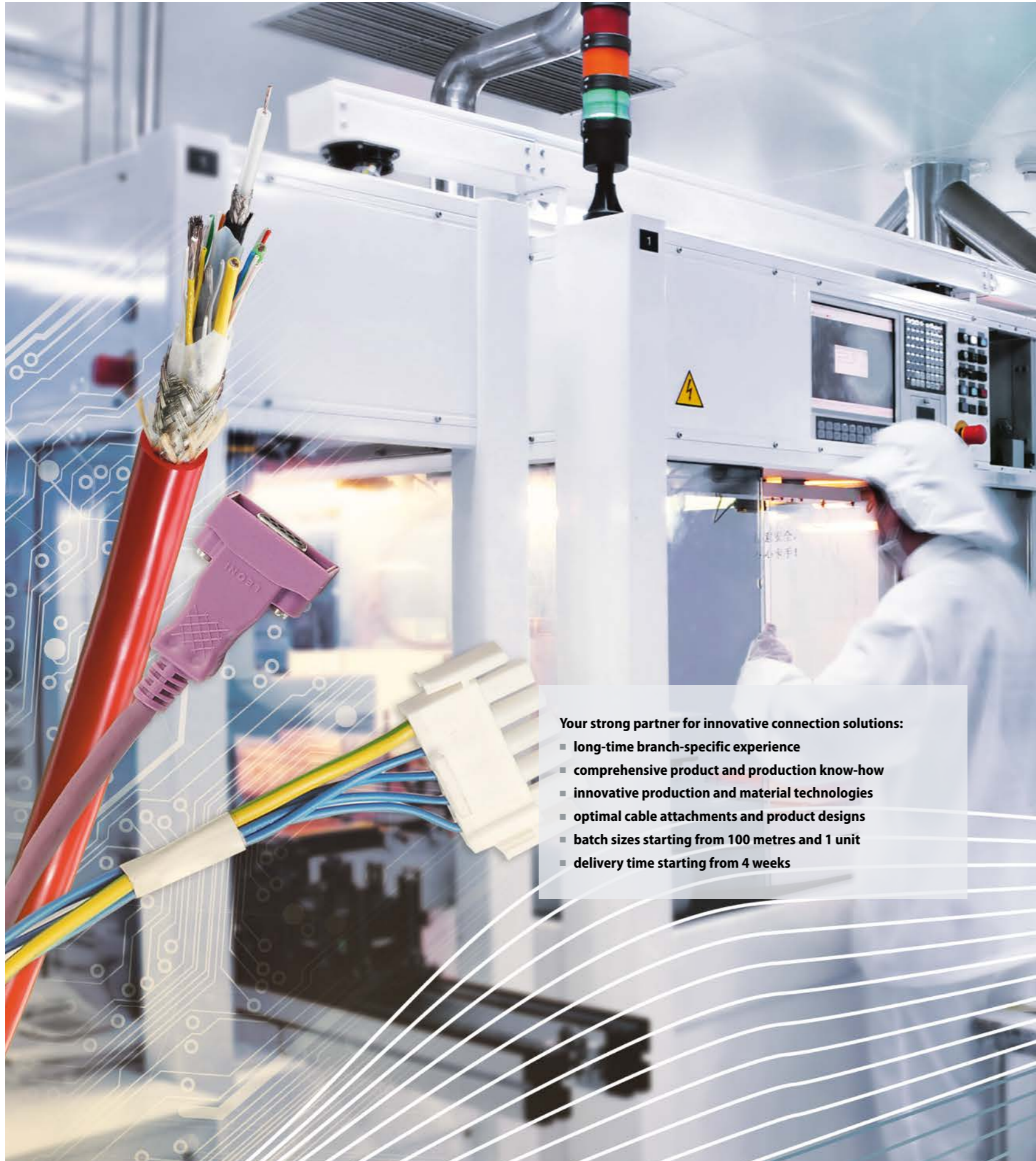
Regardless of whether a solution is based on highly specific requirements on mechanical loading capacity, radiation and media resistance, electrical transmission properties or conformity to standards, the highest product quality is always a primary focus. The capability and availability of your equipment, machines and systems is increased.

Our markets

- Measuring and control technology
- Medical technology
 - Endoscopy
 - Ultrasound
 - Patient monitoring
- Defence technology
- Special applications
 - Clean room
 - High-temperature
 - Marine
 - Multimedia

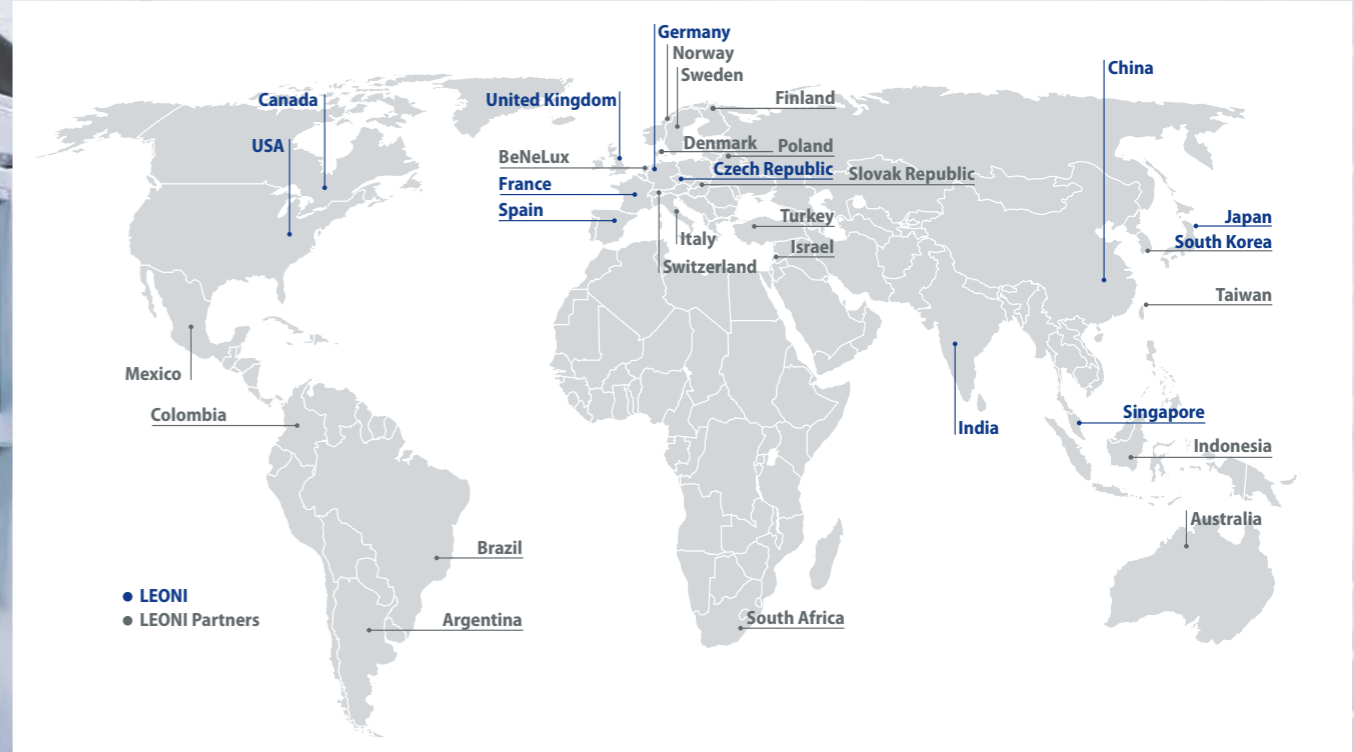
Products

- Engineering
- Bulk cables
- Assembled cable and cable systems
- Assemblies
- Service
- Logistics concepts



International Production Network

Industrial Solutions Business Unit – Worldwide



Your strong partner for innovative connection solutions:

- long-time branch-specific experience
- comprehensive product and production know-how
- innovative production and material technologies
- optimal cable attachments and product designs
- batch sizes starting from 100 metres and 1 unit
- delivery time starting from 4 weeks

Tailor-Made Products locations
of the Industrial Solutions Business Unit

Germany
LEONI Elocab GmbH, Georgensgmünd
LEONI Kabel GmbH, Roth
LEONI HighTemp Solutions GmbH, Halver

Canada
LEONI Elocab Ltd., Kitchener

Czech Republic
Neumatic cz, s.r.o., Stribro

United Kingdom
LEONI Tailor-Made Cable UK Ltd.,
Chesterfield

For detailed contact information
of our international partners,
please visit:
www.leoni-industrial-solutions.com



Total Solution Management

Service from the start!

LEONI has a value chain that is unique for its sector and which gives customers invaluable possibilities and synergies.

You determine the individual components of your Total Solution Management according to your requirements. From special cables, cable harnesses or ready-to-install connecting systems to sophisticated logistics solutions, LEONI Tailor-Made Products increase your performance and competitiveness.

Our contribution: Comprehensive understanding of the respective application conditions combined with long-time experience and technical know-how.



Consultation



Project planning

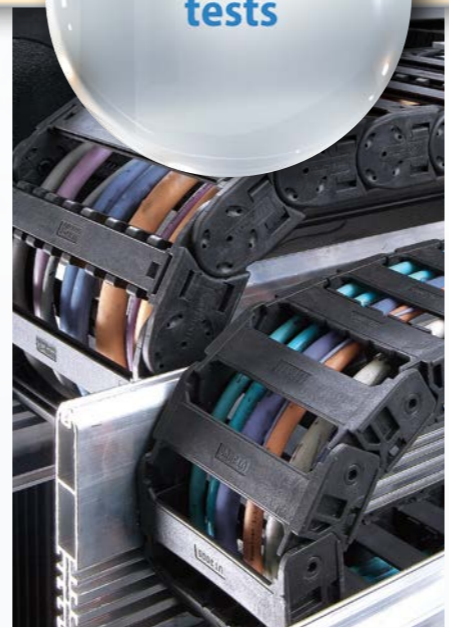


Engineering

Prototype construction



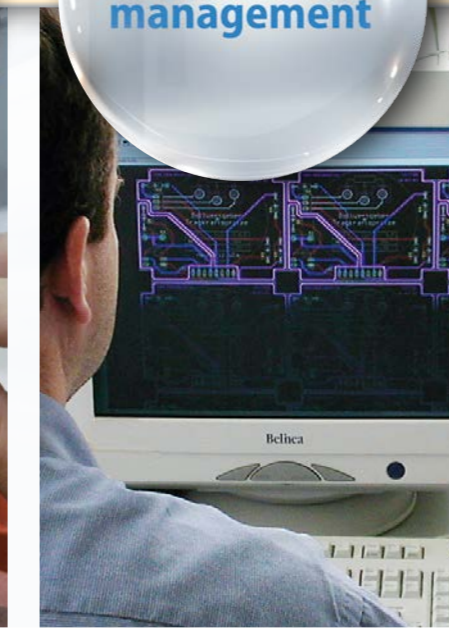
Endurance tests



Assembly and technical documentation



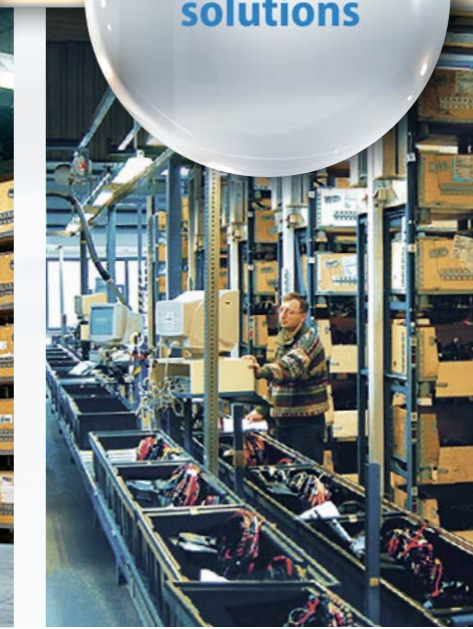
Change management



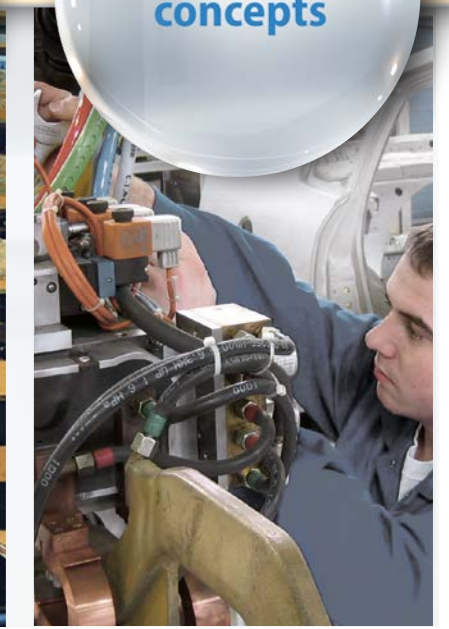
Spare parts management



Logistics solutions



Service concepts



Our expertise as a manufacturer of special cables

With us, your application comes first. LEONI analyses your requirements and works together with you to determine the best cable solution.



Service spectrum

- Audio and video cables
- Ribbon cables
(high-performance flex cables)
- High-temperature-resistant cables
- Hybrid cables
- Single, multicoaxial cables
- Fiber optic cables
- Miniature cables
- Clean room cables
- Special cables for maritime technology / marine
- Special cables for defence technology
- Spiral cables
- Endoscopy cables
- Catheter cables
- Patient monitoring cables
- Ultrasound cables
- ...

Standards

Our products are manufactured according to national and international standards, customer specifications and with all necessary approvals.

- BS
- CSA
- cULus
- DIN
- EN
- FDA
- GL
- <HAR>
- IEC
- UL
- VDE
- VG
- ...

Approvals

- UL-Style
- CSA-Style
- Medical grade materials
- Biocompatibility according to ISO 10993 and USP Class V
- RoHS conformity



Advantages:

- Extreme flexibility
- Torsional resistance
- Drag chain compatibility
- Abrasion resistance
- Oil and chemical resistance
- Free of halogen
- Fire resistance
- Low interference liability
- Long service life
- Optimal signal transmission
- Frequency ranges up to 20 GHz
- Diameter from 0.35 mm to 55 mm

For additional information about our products for the medical technology field, please visit:

www.leoni-healthcare.com

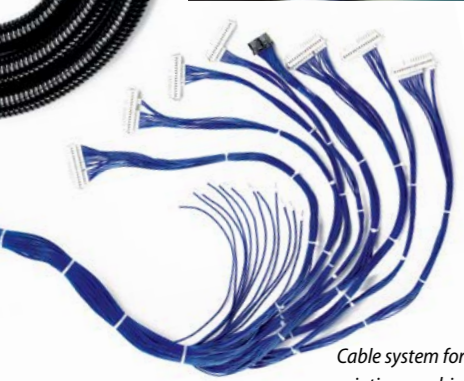


Miniature cable with 0.95 mm Ø for use in a catheter



Our expertise as an assembler and system supplier

LEONI is your competent development partner for system solutions. We accompany you step-by-step in the development and production of assembled cable solutions to the point of demanding cable systems.



Cable system for use in a printing machine

For additional information about custom system solutions and products, please visit:

www.leoni-industrial-solutions.com



Service spectrum

Assembly of customer-specific cables of all types

- Extruded cables and plug connectors (housings and protective sleeves)
- Cable harnesses in all designs and lengths
- Drag chain sets
- Stranded wire sets
- Casting electronic assemblies
- Plug development
- Fiber optic bundles

Cable and assembly from one supplier.

Knowledge that we have gathered over decades in various markets...

- Drive technology
- Measuring and control technology
- Mechanical engineering and plant manufacturing
- Medical technology
- Robotics
- Audio / video
- Sensor technology

... assures that we also tailor an optimal solution for you.



Advantages:

- Part quantities from 1 to large series
- Suitable standard goods possible starting from 100 m
- Modern production processes
- Injection moulding technologies for extreme demands
- Processing of fiber optic cables and copper cables
- Spiral cable up to a block length of 2.5 metres
- Customer-specific plug connectors (engineering)
- Single unit production, partial or full automation
- Simple, safe and fast assembly
- Reduced process costs
- Miniature solutions with diameters from 0.35 mm to 55 mm

The LEONI Group

Cable competence for the widest ranging industrial markets.

LEONI is a leading supplier of stranded wires, optical fibers, cables and cable systems as well as services for the automotive branch and numerous other industries.

Our corporate group employees around 60,000 people in 32 countries. Entrepreneurial vision, the highest quality and power of innovation have made us a leading manufacturer in the cable branch in Europe. LEONI develops and produces technically superior products and systems and offers corresponding services based on customer requirements. The service spectrum comprises stranded wires, standardised cables, hybrid and optical fibers as well as special cables, cable harnesses, on-board components and completely assembled systems for applications in various industrial markets.

Your markets – our strength.

The markets and branches that LEONI supplies are as varied as our product and service spectrum. We focus our activities on customers in the following markets: automotive and commercial vehicles,

industry and healthcare sector, communications and infrastructure; electrical appliances, and wires and strands.

In the industry and healthcare sector, for which LEONI operates as a cable manufacturer for telecommunications systems, optical fiber technologies, industrial solutions and medical technology, we are among the leading suppliers in Europe. Our customers benefit from innovative, reliable and long-lasting high-quality products.

The Industrial Solutions business unit has established itself within industrial technology with its tailor-made products. One of our specialty areas is the development and production of customer-specific cables, assemblies and ready-to-install cable systems. LEONI – we provide the best connection for your future.

For further information, please visit www.leoni.com

Quality and Environment

Merging innovation with sustainability.



LEONI Quality Management

The process-oriented quality management of LEONI is certified worldwide according to the standard ISO 9001. With standardised process diagrams and process descriptions in our management manual, as well as process instructions, we ensure that preventative quality assurance methods are applied in all production phases and that process and product quality are systematically improved.

With future-oriented quality planning in product and process development, we monitor and optimise the entire value chain from incoming goods to production and ultimately to the delivery of our products to our customers. According to our quality philosophy described in the LEONI Quality Guideline and the quality goals based on the Quality Guideline, customer satisfaction, delivery reliability and the avoidance of errors have the highest priority for us.

LEONI Environmental Management

LEONI considers environmentally-aware thinking and action to be one of the factors leading the way to successful growth in the future. Our environmental system certified according to the standard DIN EN ISO 14001 : 2004 provides all LEONI subsidiaries with the means to systematically conserve natural resources. Consistent implementation of the environmental strategy of LEONI and the environmental goals derived thereof mean that there is a continuous reduction of power and water consumption as well as emissions and waste materials at all subsidiaries.

In addition, our employees and our suppliers are sensitised with respect to environmental concerns. Moreover, we already factor in environmentally-friendly technologies in the design phase in order to develop and produce sustainable, environmentally-friendly products. Consequently, our product assortment also comprises lead-free and halogen-free insulation and sheath materials.

Find out more:

Industrial Solutions Business Unit

industrial-solutions@leoni.com

www.leoni-industrial-solutions.com

LEONI Elocab GmbH

Obere Lerch 34

Germany

91166 Georgensgmünd

Telephone +49 (0)9172-6980-0

Fax +49 (0)9172-2029